

Process Manufacturing

Sample Reports

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Publication Information

Release: Infinium PM Release 12.2

Publication Date: June 2008

Document Number: 20030121110301-01

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About This Guide

Purpose of This Guide

This guide provides sample reports for Infinium PR.

Along with providing sample reports, this guide lists the menu options you use to generate the reports and provides examples of most screens from which you make your report selections. This book contains report samples for the following products:

- Infinium Formula Management
- Infinium Manufacturing Control
- Infinium Advanced Planning
- Infinium Regulatory Management, including the SARA Module
- Infinium Laboratory Management

Reports listed in this guide may consist of more than one page. For example, if you have five raw materials, the Raw Material/Resource report prints one page per material. Because the purpose of this book is to familiarize you with the reports available, in most cases only one page of each report is included.

Intended Audience

This guide is written for persons responsible for setting up and generating reports.

Conventions Used in This Guide

This section describes the following conventions we use in this guide:

- Fonts and Wording
- Infinium and Corresponding Abbreviated Names

Fonts and Wording

Convention	Description	Example
[F4]	Represents a key on your keyboard.	Press [F4] to display a list from which you can select a valid entry.
<i>Menu Options and Field Names</i>	<i>Italics</i> typeface for a menu option or a field name. This guide uses the same abbreviations that the system displays on the screen.	Select <i>Print Appl Hist by Cash Rcpt</i> and press [Enter]. The system enters a default value in the <i>Company code</i> field.
[Quick Access Codes]	A code in brackets [] that represents a quick access code for a menu option.	Select <i>Maintain Company Controls</i> [MCC].
Data you type and System generated messages	A bold monospaced typeface for data that you type on your keyboard or for messages that the system displays on your screen.	Type CA in the <i>System</i> field. The system displays the following message: Press Enter again to save your changes
Select...	An instruction that tells you to choose a menu option. Position your cursor at the desired location, type any non-blank character, and then press [Enter].	Select <i>Submit Autocash to Batch</i> and press [Enter]. To select a draft session and change its information, type 2 next to the appropriate draft session and press [Enter].
Publication and course titles	Unless otherwise stated, titles refer to Infinium applications for the AS/400 or iSeries.	<i>Infinium Cross Applications Guide to System Controls and Materials Maintenance</i> is referred to as <i>Infinium CA Guide to System Controls and Materials Maintenance</i> .

Infinium and Corresponding Abbreviated Names

The table below lists Infinium names and the corresponding product abbreviations that are associated with this product.

Infinium Name	Infinium Abbreviations
Infinium Materials Management Suite	Infinium MM
Infinium Purchase Management	Infinium PM
Infinium Inventory Control	Infinium IC
Infinium Order Processing	Infinium OP
Infinium Electronic Exchange	Infinium EX
Infinium Journal Processor	Infinium JP
Infinium Cross Applications	Infinium CA
Infinium Process Manufacturing Suite	Infinium PR
Infinium Advanced Planning	Infinium MP
Infinium Formula Management	Infinium PF
Infinium Manufacturing Control	Infinium MC
Infinium Regulatory Management	Infinium RM
Infinium Laboratory Management	Infinium LA

Related Documentation

For further information about the Infinium PR Suite, refer to the following relevant documents:

- *Infinium LA Guide to Setup and Processing*
- *Infinium MC Guide to Setup and Processing*
- *Infinium MP Guide to Setup and Processing*
- *Infinium PM Guide Formula Setup and Quality Control*
- *Infinium RM Guide to Setup and Processing*
- On-line help text

Notes

Part 1

Printing Infinium Formula Management Reports

1

The part consists of the following topics:

Topic	Page
Printing Formulas	1-2
Printing the Formula Count Report	1-18
Printing Formula Comments	1-20
Printing Quality Control Templates	1-23
Printing the Material Analysis Report	1-26
Printing Retest and Expire Reports	1-29
Printing the Substitution Master Listing	1-32
Printing the Archived Formula Listing	1-34
Printing the Audit Notes Listing	1-36

Printing Formulas

You can print information for one formula, a range of formulas or all formulas.

Use the menu path below.

- ▶ *Formula Management*
 - ▼ *Print Formula (Range or All) [PF]*

```
14:05:07   Print Formula (Range or All)   PPGFR   PPDFR
-----
Report on . . . . . 1 1=Formula, 2=Product Category
Company . . . . . _____ +
Warehouse . . . . . _____ +
Include Lower Levels . . . . . Y (Y=Yes, N=No)

Specify range values for report:
Beginning range value . . . . . _____ +
Ending range value . . . . . _____ +

Effective Instances only . . . . . N (Y=Yes, N=No)

Report Type . . . . . 2 1-4
Formula Class to Report . . . . . 0 0-5

-----
F2=Function keys F3=Exit F4=Prompt F5=Refresh F24=More keys
```

Figure 1-1: Print Formula (Range or All) screen

To run a report for one item, complete the *Beginning range value* field. To run a report for a range of items, complete the *Beginning range value* and *Ending range value* fields. Additionally, to run a report for all formulas or categories, leave both of these fields blank.

Report Type

Specify the report type. You have four report types available to you. They are:

- 1 Formula Listing

- 2 Formula Detail Listing
- 3 Comprehensive Detail Listing with MSDS data
- 4 Comprehensive Detail Listing with QC and MSDS information

Formula Class to Report

Specify the class of formula to print. Classes are:

- 0 All formulas regardless of classification
- 1 Formulas
- 2 Raw Material Breakdown Formulas
- 3 Intermediate Formulas
- 4 Bills of Material/Kits (Process)
- 5 Master/Base Formulas

You can print individual formulas by pressing [F8] on the Work with Formula Attribute screen or by typing **6** next to a formula on the Work with Formula selection screen. Additionally, many of the formula attribute screens have print keys available on them in both the display and maintenance modes.

A Formula Count report is also available from the Infinium Formula Management *Formula Management* menu, using the *Print Formula Count* option. This report counts all formulas by formula type and identifies the longest formula you have on the system.

Effective Instances Only

Specify yes to select the formula instance that is currently in effect as of the system date for each formula in the range you specified.

Specify no to select all formula instances, regardless of effective date.

Formula by Location

Company, Warehouse, Include Lower Levels and Effective Instances only are used to further define the formula selection criteria for the range of formulas specified in *Beginning Formula, Ending Formula*. The tables below describe the various formula selection criteria for printing the report.

Selection Criteria for Effective Formulas Only

Use the table below to specify the selection criteria for only the formula instance that is currently in effect as of the system date for each formula in the range you specified.

To print...	You must...
Formula instances for a specific warehouse	Specify <i>Company</i> and <i>Warehouse</i> Type either Y or N in <i>Include Lower Levels</i> Type Y in <i>Effective Instances only</i>
Formula instances for a specific company and all of its warehouses	Specify <i>Company</i> Leave <i>Warehouse</i> blank Type Y in <i>Include Lower Levels</i> Type Y in <i>Effective Instances only</i>
All Formula instances including the entity formulas	Leave <i>Company</i> and <i>Warehouse</i> blank Type Y in <i>Include Lower Levels</i> Type Y in <i>Effective Instances only</i>
Company formula instances only	Specify <i>Company</i> Leave <i>Warehouse</i> blank Type N in <i>Include Lower Levels</i> Type Y in <i>Effective Instances only</i>
Entity formula instances only	Leave <i>Company</i> and <i>Warehouse</i> blank Type N in <i>Include Lower Levels</i> Type Y in <i>Effective Instances only</i>

Selection Criteria for Formulas Regardless of Effective Date

Use the table below to specify the selection criteria for all formula instances. When you specify **N** in *Effective Instance only*, all formula are selected, regardless of the effective date.

To print...	You must...
Formula instances for a specific warehouse	Specify <i>Company</i> and <i>Warehouse</i> Type either Y or N in <i>Include Lower Levels</i> Type N in <i>Effective Instances only</i>
Formula instances for a specific company and all of its warehouses	Specify <i>Company</i> Leave <i>Warehouse</i> blank Type Y in <i>Include Lower Levels</i> Type N in <i>Effective Instances only</i>
All formula instances, including the entity formulas	Leave <i>Company</i> and <i>Warehouse</i> blank Type Y in <i>Include Lower Levels</i> Type N in <i>Effective Instances only</i>
Company formulas instances only	Specify <i>Company</i> Leave <i>Warehouse</i> blank Type N in <i>Include Lower Levels</i> Type N in <i>Effective Instances only</i>
Entity formula instances only	Leave <i>Company</i> and <i>Warehouse</i> blank Type N in <i>Include Lower Levels</i> Type N in <i>Effective Instances only</i>

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F O R M U L A L I S T I N G

PJT

 Company IS1
 Warehouse ISW1
 Include Lower Levels Yes
 Beginning Formula PG-FORMULA1
 Ending Formula PG-FORMULA1
 Beginning Product Category
 Ending Product Category
 Effective Instances Only No
 Formula Class to Report 0 ALL

ACTIVE		CLASS	
CODE	DESCRIPTION	CODE	DESCRIPTION
1	ACTIVE	1	FORMULA
2	TEST	2	RAW MATERIAL BREAKDOWN
3	REMOVE	3	INTERMEDIATE
4	OBSOLETE	4	BILL OF MATERIAL
	Document	5	Phantom Formula

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F O R M U L A L I S T I N G

PAGE 1
PJT

FORMULA	ACTIVE CODE	CLASS CODE	----- CALCULATED	Y I E L D UM	----- ESTABLISHED	--- WEIGHT PER VOLUME --- CALCULATED	--- ESTABLISHED	-- LOSS FACTOR
PG-FORMULA1 PG-FORMULA1 for Analysis	2	1	2422.5257	L		1.34970		

***** RECORDS SELECTED . . 000001
***** END OF REPORT *****

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PJT

F O R M U L A D E T A I L S R E P O R T

Company	IS1
Warehouse	ISW1
Include Lower Levels	Yes
Beginning Formula	PG-FORMULA1
Ending Formula	PG-FORMULA1
Beginning Product Category	
Ending Product Category	
Effective Instances Only	No
Formula Class to Report	0 ALL

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FORMULA DETAILS REPORT

PJT

 COMPANY AND WAREHOUSE LOCATION . : IS1 ISW1
 FORMULA : PG-FORMULAL PG-FORMULAL for Analysis
 ACTIVE CODE : 2 TEST ESTABLISHED YIELD :
 CLASS : 1 FORMULA ESTABLISHED WEIGHT PER VOLUME :
 UNIT OF MEASURE : L CALCULATED WEIGHT PER VOLUME :
 1.34970
 PERCENTAGE LOSS : CHEMICAL PROPERTIES OVERRIDE :
 CLINGAGE LOSS : COST OVERRIDE FORMULA :
 FORMULA QC. TYPE : ABC ABC MSDS. OVERRIDE FORMULA :
 :
 LABEL CODE : ROUGH CUT CAPACITY PLANNING FORMULA . :
 FORMULA LAST REVISION DATE . . . : 0/00/00 REVISION CODE AND INITIALS :

			INGREDIENTS AND INSTRUCTIONS											
			WEIGHT/	-- SOLID --		-- LIQUID --		SOLID - BASE		LIQUID - BASE				
FIX	ING	CRITICAL	SEQ	INGREDIENT	CODE	VOLUME	QUANTITY	UM	QUANTITY	UM	QUANTITY	UM	QUANTITY	UM
			10	PG-FRM-RM1		.40000	20.0000	GM	20.0000	L	4.2268	LB	5.2834	GL
			20	PG-FRM-RM2		.80000	10.0000	KG	10.0000	KL	22.0462	LB	24.4958	GL
			30	PG-FRM-RM3		.50000	.5000	KG	.5000	KL	1.1023	LB	2.2046	GL
			40	PG-FRM-RM4		1.02000	100.5000	KG	100.5000	KL	221.5646	LB	217.2202	GL
			50	PG-FRM-RM5		2.00000	75.0000	KG	75.0000	KL	165.3467	LB	82.6734	GL
			60			Subtotal				**	414.2866	LB	331.8774	*GL
			70	PG-FRM-RM6		.60000	10.0000	GM	10.0000	L	1.5850	LB	2.6417	GL
			80	PG-FRM-RM7		1.30000	20.0000	GM	20.0000	L	6.8685	LB	5.2834	GL
			90	PG-FRM-RM8		1.50000	200.0000	KG	200.0000	KL	440.9246	LB	293.9497	GL
			100	PG-FRM-RM9		.70000	1.0000	KG	1.0000	KL	2.2046	LB	3.1495	GL
			110			Subtotal since last subtotal				**	451.5827	LB	305.0243	*GL
			120	POTATOS	EA	1.00000	25.0000	LB	25.0000	GL	25.0000	LB	25.0000	GL
			130	**** End of Formula ****										

 2505.5704 L 1.34970 ACCUMULATED TOTALS 890.8693 LB 661.9017 GL
 ESTABLISHED TOTALS LB GL
 L 1.34970 CALCULATED TOTALS LB GL
 2422.5257 L

***** END OF REPORT *****

PSR220

C O M P R E H E N S I V E F O R M U L A R E P O R T

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PJT

Company	IS1
Warehouse	ISW1
Include Lower Levels	Yes
Beginning Formula	PG-FORMULA1
Ending Formula	PG-FORMULA1
Beginning Product Category	
Ending Product Category	
Effective Instances Only	No
Formula Class to Report	0 ALL

C O M P R E H E N S I V E F O R M U L A R E P O R T

 COMPANY AND WAREHOUSE LOCATION . : IS1 ISW1
 FORMULA : PG-FORMULAI PG-FORMULAI for Analysis
 ACTIVE CODE : 2 TEST ESTABLISHED YIELD :
 CLASS : 1 FORMULA ESTABLISHED WEIGHT PER VOLUME :
 UNIT OF MEASURE : L CALCULATED WEIGHT PER VOLUME :
 1.34970
 PERCENTAGE LOSS :
 CLINGAGE LOSS :
 FORMULA QC. TYPE : ABC ABC CHEMICAL PROPERTIES OVERRIDE :
 LABEL CODE : COST OVERRIDE FORMULA :
 FORMULA LAST REVISION DATE . . . : 0/00/00 MSDS OVERRIDE FORMULA :
 ROUGH CUT CAPACITY PLANNING FORMULA :
 REVISION CODE AND INITIALS :

M S D S DATA

 PRODUCT CLASS DESCRIPTION : Product class for formula PG-FORMULAI *
 TRADE NAME : Trade Name for PG-FORMULAI (printed on Lab rpt) *
 SPECIAL INSTRUCTIONS :
 MSDS TYPE :
 STANDARD BATCH UM AND SIZES . . . : L 437.0000
 HIGH BOILING POINT : 100.0 VAPOR PRESSURE : 1.00
 LOW BOILING POINT : 99.5 VAPOR DENSITY : 1.00
 EVAPORATION RATE : 1.000 LOWEST FLASHPOINT : 150.0
 LOWER EXPLOSION LEVEL : 10.0
 HEALTH CODE : 2* FLAMMABILITY CODE : 3
 REACTIVITY CODE : 1 PERSONNEL CODE : X
 PHYSICAL STATE : SOLID APPEARANCE : APPEARANCE OF PG-FORMULAI
 ODOR : MODERATE ESTER WATER SOLUBILITY : SPARINGLY SOLUBLE *

I N G R E D I E N T S A N D I N S T R U C T I O N S

BASE		WEIGHT/ FIX ING CRITICAL	-- SOLID --		-- LIQUID --		SOLID - BASE		LIQUID -	
SEQ	INGREDIENT	VOLUME	QUANTITY	UM	QUANTITY	UM	QUANTITY	UM	QUANTITY	UM
10	PG-FRM-RM1	.40000	20.0000	GM	20.0000	L	4.2268	LB	5.2834	
GL	RM1 for PG-FRM	N								
20	PG-FRM-RM2	.80000	10.0000	KG	10.0000	KL	22.0462	LB	24.4958	
GL	RM2 for PG-FRM	N								
30	PG-FRM-RM3	.50000	.5000	KG	.5000	KL	1.1023	LB	2.2046	
GL	RM3 for PG-FRM	N								
40	PG-FRM-RM4	1.02000	100.5000	KG	100.5000	KL	221.5646	LB	217.2202	
GL	RM4 for PG-FRM	N								
50	PG-FRM-RM5	2.00000	75.0000	KG	75.0000	KL	165.3467	LB	82.6734	
GL	RM5 for PG-FRM	N								
60	Subtotal					**	414.2866	LB	331.8774	
*GL										
70	PG-FRM-RM6	.60000	10.0000	GM	10.0000	L	1.5850	LB	2.6417	GL
RM6	for PG-FRM	N								
80	PG-FRM-RM7	1.30000	20.0000	GM	20.0000	L	6.8685	LB	5.2834	
GL	RM7 for PG-FRM	N								
90	PG-FRM-RM8	1.50000	200.0000	KG	200.0000	KL	440.9246	LB	293.9497	
GL	RM8 for PG-FRM	N								
100	PG-FRM-RM9	.70000	1.0000	KG	1.0000	KL	2.2046	LB	3.1495	GL
RM9	for PG-FRM	N								

110	..... Subtotal since last subtotal					**	451.5827 LB	305.0243
*GL								
120	POTATOS	EA	1.00000	25.0000 LB		25.0000 GL	25.0000 LB	25.0000
GL	POTATOS		N					
130	**** End of Formula ****							

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C O M P R E H E N S I V E F O R M U L A R E P O R T

PJT

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COMPANY AND WAREHOUSE LOCATION . : IS1 ISW1
FORMULA . . . . . : PG-FORMULA1 PG-FORMULA1 for Analysis
ACTIVE CODE . . . . . : 2 TEST
CLASS . . . . . : 1 FORMULA
UNIT OF MEASURE . . . . . : L
:1.34970
PERCENTAGE LOSS . . . . . :
CLINGAGE LOSS . . . . . :
FORMULA QC TYPE . . . . . : ABC ABC
LABEL CODE . . . . . :
FORMULA LAST REVISION DATE . . . : 0/00/00
-----
ESTABLISHED YIELD . . . . . :
ESTABLISHED WEIGHT PER VOLUME . . . . :
CALCULATED WEIGHT PER VOLUME . . . .
CHEMICAL PROPERTIES OVERRIDE . . . . :
COST OVERRIDE FORMULA . . . . . :
MSDS OVERRIDE FORMULA . . . . . :
ROUGH CUT CAPACITY PLANNING FORMULA . :
REVISION CODE AND INITIALS . . . . . :
-----
GL 2505.5704 L 1.34970 ACCUMULATED TOTALS 890.8693 LB 661.9017
GL L ESTABLISHED TOTALS LB
GL 2422.5257 L 1.34970 CALCULATED TOTALS LB
***** END OF REPORT *****

```

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C O M P R E H E N S I V E F O R M U L A R E P O R T

PJT

Company	IS1
Warehouse	ISW1
Include Lower Levels	Yes
Beginning Formula	PG-FORMULA1
Ending Formula	PG-FORMULA1
Beginning Product Category	
Ending Product Category	
Effective Instances Only	No
Formula Class to Report	0 ALL

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C O M P R E H E N S I V E F O R M U L A R E P O R T

PJT

```

COMPANY AND WAREHOUSE LOCATION . : IS1 ISW1
FORMULA . . . . . : PG-FORMULAl PG-FORMULAl for Analysis
ACTIVE CODE . . . . . : 2 TEST
CLASS . . . . . : 1 FORMULA
UNIT OF MEASURE . . . . . : L
1.34970
PERCENTAGE LOSS . . . . . :
CLINGAGE LOSS . . . . . :
FORMULA QC TYPE . . . . . : ABC ABC
LABEL CODE . . . . . :
FORMULA LAST REVISION DATE . . . : 0/00/00
ESTABLISHED YIELD . . . . . :
ESTABLISHED WEIGHT PER VOLUME . . . :
CALCULATED WEIGHT PER VOLUME . . . :
CHEMICAL PROPERTIES OVERRIDE . . . :
COST OVERRIDE FORMULA . . . . . :
MSDS OVERRIDE FORMULA . . . . . :
ROUGH CUT CAPACITY PLANNING FORMULA . :
REVISION CODE AND INITIALS . . . . . :
  
```

Q C DATA

----- TEMPLATE DATA -----				----- Q C DATA -----				----- FORMULA TARGET VALUES -----			
PRINT ON	DELETE	ORIGINAL	LAST			MINIMUM	MAXIMUM	TARGET	VARIANCE		
TEST ID	SEQ	DESCRIPTIONS	RATINGS	COMMENTS	UM	VALUE	VALUE	VALUE	PERCENTAGE		
BATCH	TICKET	STATUS	UPDATE	UPDATE							
ABC3	3	TEST 3 FOR 'ABC'	RATE1 - ABC3	COMMENT 1 FOR ABC3 *	XXXX	10.00000-	10.00000	1.00000	20.000		
N	ACTIVE	8/12/94	3/15/02								
PGTSTF	15	DESC 2 FOR TEST3	RATE2 - ABC3	COMMENT 2 FOR ABC3 *							
N	ACTIVE	10/12/94	3/15/02								
		TEMPL/PGTSTF/DS1	TV/PGTSTF/R1	TV/PGTSTF/COMMENT 1.	TFUM	15.10000	15.20000	15.30000	.150		
		TEMPL/PGTSTF/DS2	TV/PGTSTF/R2	TV/PGTSTF/COMMENT 2.							

M S D S DATA

```

PRODUCT CLASS DESCRIPTION . . . . : Product class for formula PG-FORMULAl *
TRADE NAME . . . . . : Trade Name for PG-FORMULAl (printed on Lab rpt) *
SPECIAL INSTRUCTIONS . . . . . :
MSDS TYPE . . . . . :
STANDARD BATCH UM AND SIZES . . . : L 437.0000
HIGH BOILING POINT . . . . . : 100.0 VAPOR PRESSURE . . . . . : 1.00
LOW BOILING POINT . . . . . : 99.5 VAPOR DENSITY . . . . . : 1.00
EVAPORATION RATE . . . . . : 1.0000 LOWEST FLASHPOINT . . . . . : 150.0
LOWER EXPLOSION LEVEL . . . . . : 10.0
HEALTH CODE . . . . . : 2* FLAMMABILITY CODE . . . . . : 3
REACTIVITY CODE . . . . . : 1 PERSONNEL CODE . . . . . : X
PHYSICAL STATE . . . . . : SOLID APPEARANCE : APPEARANCE OF PG-FORMULAl
ODOR . . . . . : MODERATE ESTER WATER SOLUBILITY . . . . . : SPARINGLY SOLUBLE *
  
```

INGREDIENTS AND INSTRUCTIONS

BASE		WEIGHT/		-- SOLID --		-- LIQUID --		SOLID - BASE		LIQUID -	
SEQ	INGREDIENT	FIX ING CRITICAL	VOLUME	QUANTITY	UM	QUANTITY	UM	QUANTITY	UM	QUANTITY	
10	PG-FRM-RM1		.40000	20.0000	GM	20.0000	L	4.2268	LB	5.2834	
GL	RM1 for PG-FRM		N								
20	PG-FRM-RM2		.80000	10.0000	KG	10.0000	KL	22.0462	LB	24.4958	
GL	RM2 for PG-FRM		N								

30	PG-FRM-RM3	.50000	.5000 KG	.5000 KL	1.1023 LB	2.2046 GL
RM3 for PG-FRM		N				
40	PG-FRM-RM4	1.02000	100.5000 KG	100.5000 KL	221.5646 LB	217.2202
GL RM4 for PG-FRM		N				
50	PG-FRM-RM5	2.00000	75.0000 KG	75.0000 KL	165.3467 LB	82.6734
GL RM5 for PG-FRM		N				
60	..... Subtotal			**	414.2866 LB	331.8774
*GL						

PSR220 PSR220PR
 PAGE 2
 8/01/02 8:54:42

C O M P R E H E N S I V E F O R M U L A R E P O R T

PJT

 COMPANY AND WAREHOUSE LOCATION . : IS1 ISW1
 FORMULA : PG-FORMULA1 PG-FORMULA1 for Analysis
 ACTIVE CODE : 2 TEST ESTABLISHED YIELD :
 CLASS : 1 FORMULA ESTABLISHED WEIGHT PER VOLUME :
 UNIT OF MEASURE : L CALCULATED WEIGHT PER VOLUME :
 1.34970
 PERCENTAGE LOSS :
 CLINGAGE LOSS :
 FORMULA QC TYPE : ABC ABC CHEMICAL PROPERTIES OVERRIDE :
 LABEL CODE : COST OVERRIDE FORMULA :
 FORMULA LAST REVISION DATE . . . : 0/00/00 MSDS OVERRIDE FORMULA :
 ROUGH CUT CAPACITY PLANNING FORMULA :
 REVISION CODE AND INITIALS :

INGREDIENTS AND INSTRUCTIONS

BASE		WEIGHT/ FIX ING CRITICAL		-- SOLID --		-- LIQUID --		SOLID - BASE		LIQUID -	
SEQ	INGREDIENT	VOLUME	UM	QUANTITY	UM	QUANTITY	UM	QUANTITY	UM	QUANTITY	UM
70	PG-FRM-RM6	.60000	N	10.0000	GM	10.0000	L	1.5850	LB	2.6417	
80	RM6 for PG-FRM		N								
80	PG-FRM-RM7	1.30000	N	20.0000	GM	20.0000	L	6.8685	LB	5.2834	
90	RM7 for PG-FRM		N								
90	PG-FRM-RM8	1.50000	N	200.0000	KG	200.0000	KL	440.9246	LB	293.9497	
100	RM8 for PG-FRM		N								
100	PG-FRM-RM9	.70000	N	1.0000	KG	1.0000	KL	2.2046	LB	3.1495	
110	RM9 for PG-FRM		N								
	..... Subtotal since last subtotal						**	451.5827	LB	305.0243	
*GL											
120	POTATOS	EA	1.00000	25.0000	LB	25.0000	GL	25.0000	LB	25.0000	
GL	POTATOS		N								
130	**** End of Formula ****										

 GL 2505.5704 L 1.34970 ACCUMULATED TOTALS 890.8693 LB 661.9017
 ESTABLISHED TOTALS LB
 GL L 1.34970 CALCULATED TOTALS LB
 GL 2422.5257 L

***** END OF REPORT *****

Printing the Formula Count Report

On occasion, you should check your system for the number and types of formula records you have on file to determine whether the system can remove or classify any of them. The *Print Formula Count* option generates a report that provides an overview of the records you have on file.

Use the menu path below.

- ▶ *Code Files Maintenance*
 - ▼ *Print Formula Count* [PFK]

The report that prints includes the total number of formulas on file in each of the available formula classifications: active, obsolete, remove and test. The report also identifies the formula with the highest number of lines and gives the number of lines contained in that formula.

This report does not have a selection screen; it runs automatically when you select this option.

The other two options in the *Code Files Maintenance* menu, *Work with Quality Control Test Type* and *Work with Quality Control Template*, are discussed in the “Working with Quality Control Test Types and Templates” part of the *Infinium Formula Management Guide to Formula Setup and Quality Control*.

A sample of this report is on the next page.

PSR850 PST850
10/22/02 13:21:06

F O R M U L A C O U N T R E P O R T

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PJT

TYPE	COUNT
ACTIVE	73
OBSOLETE	
REMOVE	3
TEST	10
TOTAL	86
MAXIMUM # LINES	: 217
IN THE FORMULA	: 200TEST

***** END OF REPORT *****

Printing Formula Comments

You can print a single comment, a range of comments or all comments.

Use the menu path below.

- ▶ *Formula Management*
- ▼ *Print Formula Comments [PFC]*

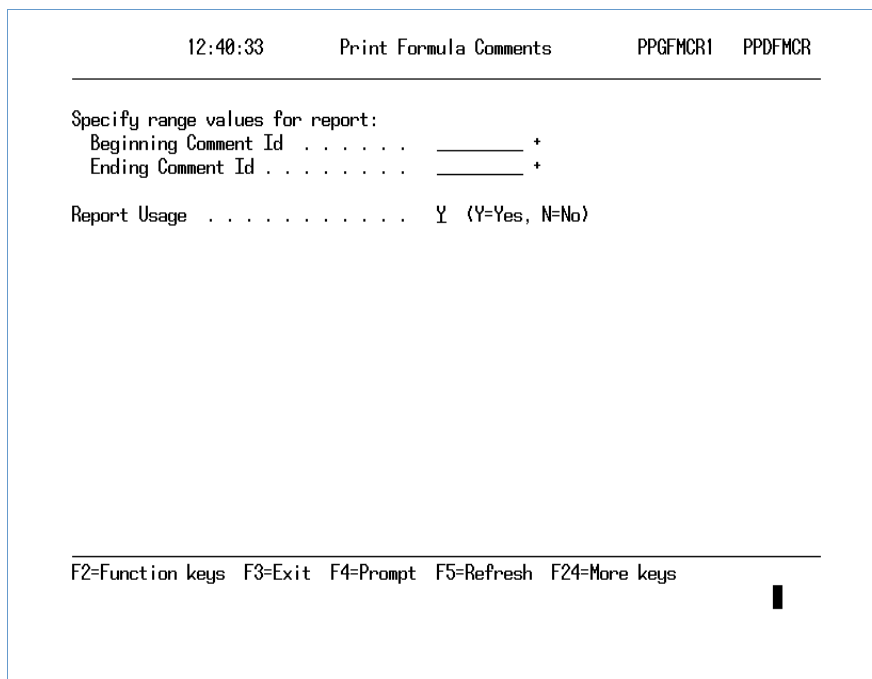


Figure 1-2: Print Formula Comments screen

To print a single comment, type the comment identifier in the *Beginning Comment Id* field.

To print a range of comments, complete both the beginning and ending comment identifier fields. To print all comments, leave both fields blank.

Report Usage

Type **Y** in the *Report Usage* field to list the formulas that use each comment.

Press [Enter] to generate the report.

A sample Formula Master Comments report is on the next page.

PPGFMCR	PPTFMCR	F O R M U L A M A S T E R C O M M E N T S R E P O R T			PAGE	1
8/01/02	13:08:41				WMM	

```

-----
COMMENT ID  COMMENT TEXT                USED IN: FORMULA      FORMULA      FORMULA
CMBEGINF   **** Beginning of Formula ****      PG TEST FORMULA 1
CMCOM1     Test for temperature level ranges.
CMDEL      Deliver Materials to Work center
CMENDF     **** End of Formula ****
CMLIN      -----
CMMOVE     Move finished product to warehouse
CMSTIR     Stir for 10 minutes
CMSTOT
CMST1      ..... Subtotal
CMST2      ..... Subtotal since last subtotal
CMTOT
CMTRANS    Transfer item to intermediate storage.
CMVAR1     Wait && minutes until firm.          RED PAINT
CMVAR2     Stir briskly for &&& minutes.
CMVAR3     Stir occasionally for &&& minutes.

```

***** RECORDS SELECTED . . 000015

***** END OF REPORT *****

Printing Quality Control Templates

This option allows you to decide what information to include when you print a quality control template listing.

Use the menu path below.

- ▶ *Code Files Maintenance*
 - ▼ *Work with QC Template [WWQCT]*

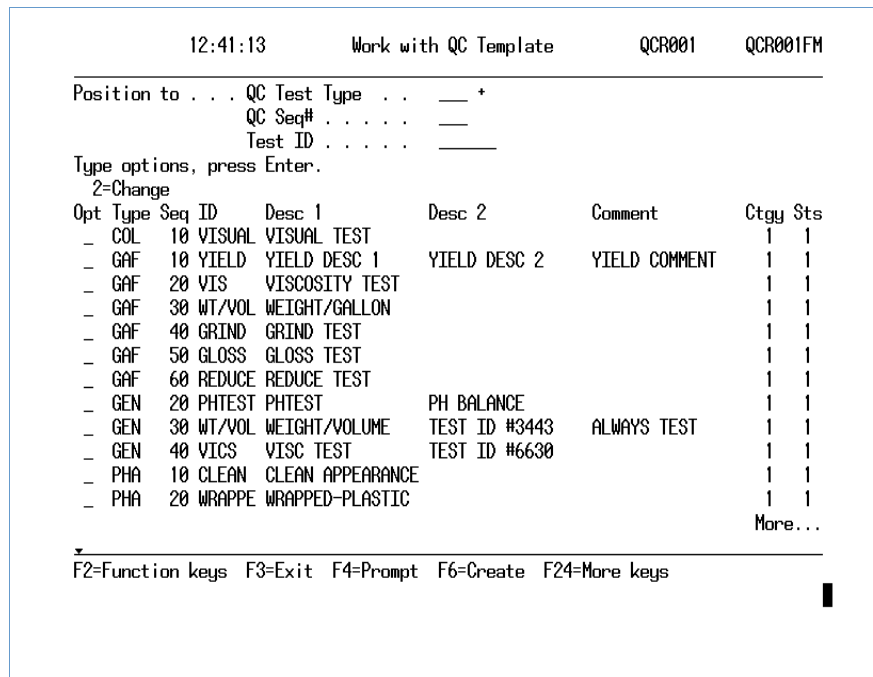


Figure 1-3: Work with QC Template selection screen

Press [F8] on this screen to access the Work with QC Template Print Options screen.

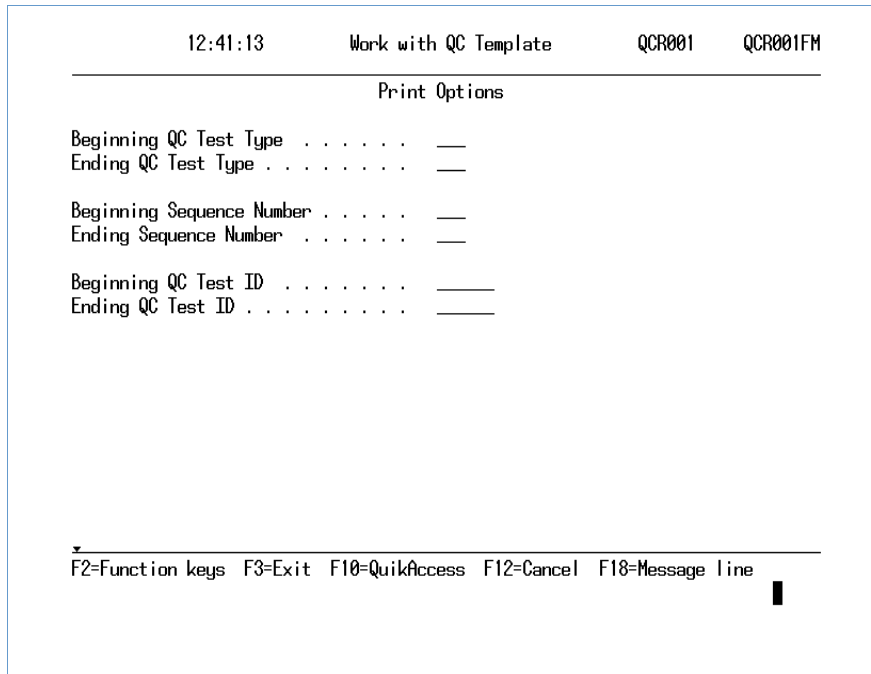


Figure 1-4: Work with QC Template Print Options screen

You can generate a variety of reports based on how you complete the fields on this screen.

Leave all the fields blank to print a complete list of test types with corresponding template information.

If you complete just the beginning fields, the listing starts from that point and prints every test type that follows.

You can complete the appropriate combination of fields to limit your report information to print within a range of test types, sequence numbers, and/or test ID's.

This sample screen requests a report for the GAF test type that includes all template information. The template listing for GAF is on the next page.

QCR002 QCR002P
7/24/02 8:08:06

Q U A L I T Y C O N T R O L T E M P L A T E L I S T I N G

PAGE 1
WMM

TEST TYPE	DESCRIPTION	Q.C. ID	TEST SEQ NO.	DESCRIPTION 1	DESCRIPTION 2	COMMENT	PRINT CODE	DELETE CODE
GAF	STRAINER GAF	YIELD	010	YIELD DESC 1	YIELD DESC 2	YIELD COMMENT 1	B	A
GAF	STRAINER GAF	VIS	020	VIS DESC 1	VIS DESC 2	VIS COMMENT 1	B	A
GAF	STRAINER GAF	WT/GAL	030	WT/GAL DESC 1	WT/GAL DESC 2	WT/GAL COMMENT 1	B	A
GAF	STRAINER GAF	GRIND	040	GRIND DESC 1	GRIND DESC 2	GRIND COMMENT 1	B	A
GAF	STRAINER GAF	GLOSS	050	GLOSS DESC 1	GLOSS DESC 2	GLOSS COMMENT 1	B	A
GAF	STRAINER GAF	REDUCE	060	REDUCE DESC 1	REDUCE DESC 2	REDUCE COMMENT 1	B	A
GAF	STRAINER GAF	RVISC	070	RVISC DESC 1	RVISC DESC 2	RVISC COMMENT 1	B	A
GAF	STRAINER GAF	APPLY	080	APPLY DESC 1	APPLY DESC 2	APPLY COMMENT 1	B	A
GAF	STRAINER GAF	CURE	090	CURE DESC 1	CURE DESC 2	CURE COMMENT 1	B	A
GAF	STRAINER GAF	PH	100	PH DESC 1	PH DESC 2	PH COMMENT 1	B	A
GAF	STRAINER GAF	STD	110	STD DESC 1	STD DESC 2	STD COMMENT 1	B	A
GAF	STRAINER GAF	COLOR	120	COLOR DESC 1	COLOR DESC 2	COLOR COMMENT 1	B	A

***** END OF REPORT *****

Printing the Material Analysis Report

The Material Analysis report lists quality control target values and actual results of material tests.

Use the menu path below.

- ▶ *Quality Control*
- ▼ *Print Material Analysis Report [PMAR]*

```
12:42:30  Print Material Analysis Report  QCGAVR  QCDAVR
-----
Beginning Company and Warehouse . .  _IS1_ +  _ISW1_ +
Ending Company and Warehouse . . .  ____ +  ____ +
Vendor . . . . .  _____ +
Beginning Material . . . . .  _____  __ +
Ending Material . . . . .  _____  __ +

-----
F2=Function keys  F3=Exit  F4=Prompt  F8=Print  F24=More keys
```

Figure 1-5: Print Material Analysis Report prompt screen

You can generate a report that has a variety of information based on how you complete the fields on this screen.

To print a report that includes all material analysis information for all materials at all locations, leave all the fields blank.

To print a report with all material analysis information for all materials associated with that company and warehouse, you can complete just the beginning and ending company and warehouse fields.

To print a report for a single material, complete just the *Beginning Material* field. For a range of materials, complete the beginning and ending material fields accordingly.

To make this report vendor-specific, complete the *Vendor* field.

To print the report, press [F8].

A sample Material Analysis report is on the next page.

QCGAVR QCTAVR
7/24/02 15:25:20

Q U A L I T Y C O N T R O L M A T E R I A L A N A L Y S I S

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WMM

VENDOR.....:																	
Comp.	Whs.	Material	Size	LOT	SUBLOT	BIN	Inv. Type	Vendor	Last Update	Close Seq#	Rt#	Test ID	Desc/Rating 1 Comment 1	Desc/Rating 2	QC Actual Value Comment 2	St/Ms	P/F
IS1	ISW1	GRAY AQUA W/PRIMER			QC ROW	QC BIN	NA		4/12/02	000		VIS			37.00000		Pass
									4/12/02	000		WT/GAL			9.63000		Pass
									4/12/02	000		GRIND			6.05000		Pass
									4/12/02	000		RVISC			28.00000		Pass
									4/12/02	000		PH			8.42000		Pass
									4/19/02	001		VIS			37.00000		Pass
									4/19/02	001		WT/GAL			9.63000		Pass
									4/19/02	001		GRIND			6.05000		Pass
									4/19/02	001		RVISC			28.00000		Pass
									4/19/02	001		PH			8.42000		Pass
									4/19/02	001	01	VIS			42.00000		Pass
									4/19/02	001	01	WT/GAL			10.00000		Pass
									4/19/02	001	01	GRIND			8.20000		Pass
									4/19/02	001	01	RVISC			28.50000		Pass
									4/19/02	001	01	PH			8.42000		Pass
									4/19/02	002		VIS			31.00000		Pass
									4/19/02	002		WT/GAL			9.63000		Pass
									4/19/02	002		GRIND			8.00000		Pass
									4/19/02	002		GLOSS			12.75000		Pass
									4/19/02	002		RVISC			30.00000		Pass
									4/19/02	002		PH			8.72000		Pass
									4/19/02	002	01	VIS			31.50000		Pass
									4/19/02	002	01	WT/GAL			9.63000		Pass
									4/19/02	002	01	GRIND			8.00000		Pass
									4/19/02	002	01	GLOSS			12.75000		Pass
									4/19/02	002	01	RVISC			30.00000		Pass
									4/19/02	002	01	PH			8.72000		Pass

Printing Retest and Expire Reports

The Retest report lists materials in stock that require retesting and the Expire report lists materials that have expired.

Normally you would not use or sell materials that have expired.

Use the menu path below.

- ▶ *Quality Control*
 - ▼ *Print Retest/Expire Report [PRER]*

```
12:43:27      Print Retest/Expire Report      QCGRER1      QCDRER1
-----
Beginning Company and Warehouse . .  __IS1_ +  __ISW1_ +
Ending Company and Warehouse . . .  _____ +  _____ +

Beginning Date . . . . . 00000000_
Ending Date . . . . . 00000000-

Beginning Material . . . . . _____  __ +
Ending Material . . . . . _____  __ +

Products or Raw Materials . . . . . 1 1=Product, 2=RM
Expiration Date or Retest Date . . . 1 1=Expiration, 2=Retest

-----
F2=Function keys  F3=Exit  F4=Prompt  F8=Print  F24=More keys
```

Figure 1-6: Print Retest/Expire Report prompt screen

You can generate a Retest or Expire report that has a variety of information based on how you complete the fields on this screen.

To print a report that includes all information for all materials or products at all locations, leave all the fields blank

To indicate the date range for your report, use the beginning and ending date fields.

To print a report with information for all materials or products associated with that company and warehouse, you can complete just the beginning and ending company and warehouse fields.

To print a report for a single material or product, complete just the *Beginning Material* field. For a range of materials or products, complete the beginning and ending material fields accordingly.

Products or Raw Materials

Type **1** to run the report for products. Type **2** to run the report for raw materials.

Expiration Date or Retest Date

Type **1** to list items that have expired. Type **2** to list items that should be retested.

The system calculates retest and expiration dates by adding the target value total days to the receipt date of the material. You type the target value in the *Target Value* field on the Work with Material Target Value screen 1. Target values are discussed in the “Entering Target Values” part.

Press [F8] to print the report.

A sample Retest report is on the next page.

QCGRER QCTREER
7/24/02 11:18:14

Q U A L I T Y C O N T R O L R E T E S T R E P O R T

PAGE 1
WMM

RAW MATERIALS ONLY

						-----Inventory-----	Close			Original	Last	Days to	Due for	Days to		
Comp. Whs.	Material	Size	LOT	SUBLOT	BIN	Type	Quantity	UM	Seq#	Vendor	Test Date	Test Date	Retest	Retest?	Expire	Expired?
IS1	ISW1	GRAY AQUA W/PRIMER		QC ROW	QC BIN	NA NO INV. FOUND			000			4/12/02	22	No		
									001			4/19/02	29	No		
									002			4/19/02	29	No		
IS1	ISW1	GRAY AQUA W/PRIMER	1	1	1	AA	100.0000	*GL	001			4/20/02	30	No		

***** END OF REPORT *****

Printing the Substitution Master Listing

The first step in creating a document format is to print the list of substitution symbols. This indicates the codes that are available to use.

Included on the report are the substitution symbol, description, file and record names, field name and length, data type and number of decimals.

Use the menu path below.

- ▶ *Document Format Capabilities*
 - ▼ *Print Valid Substitutions [PVS]*

SUBSTITUTION	DESCRIPTION	FILE NAME	RECORD NAME	FIELD NAME	DATA TYPE	FIELD LENGTH	DEC
//CD	Current Date Format mm/dd/yy				N	6	
##B#	Manufacturing Batch #	MFGCHDR	MCHHEAD	MCBTCH	A	12	
##C#	Customer Number	KLCUSFIL	CUSREC	CFCUST	A	6	
##CC	Customer City	KLCUSFIL	CUSREC	CFCITY	A	24	
##CN	Customer Name	KLCUSFIL	CUSREC	CFSTL1	A	30	
##CP	Customer Telephone Number	KLCUSFIL	CUSREC	CFNUM	A	18	
##CS	Customer State	KLCUSFIL	CUSREC	CFSTTE	A	2	
##CZ	Customer Zip Code	KLCUSFIL	CUSREC	CFZIP	A	10	
##C1	Customer Address Line 1	KLCUSFIL	CUSREC	CFSTL1	A	30	
##C2	Customer Address Line 2	KLCUSFIL	CUSREC	CFSTL3	A	30	
##C3	Customer Address Line 3	KLCUSFIL	CUSREC	CFSTL4	A	30	
##C4	Customer Address Line 4	KLCUSFIL	CUSREC	CFSTL5	A	30	
##MD	Manufacturing Production Date	MFGCHDR	MCHHEAD	MCCPDT	N	6	
##MF	Manufactured Formula	MFGCHDR	MSHEAD	MCFORM	A	20	
##OPO#	Order Processing Order Shipment Number	OPPOHD	OPROHD	OHORD	A	9	
##OPOB	Order Processing Shipment Back Order Number	OPPOHD	OPROHD	OHORD	A	2	
##OPOD	Order Processing Order Shipment Date	OPPOHD	OPROHD	OHSDRT	P	6	
##OPOI	Order Processing Invoice Number	OPPOHD	OPROHD	OHINVO	A	9	
##OPOQ	Order Processing Actual Shipped Quantity	OPPODT	OPRODT	OISQTY	P	13	4
##OPPO	Order Processing Customer Purchase Order Number	OPPOHD	OPROHD	OHCUPO	A	36	
##OPSR	Order Processing Customer Sales Reference Number	OPPODT	OPRODT	OICPRD	A	20	
##PD	Product Description	MANFILPF	MNREC	MNDESC	A	30	
##PR	Product Number	MANFILPF	MNREC	MNMF#	A	20	
##QC	Quality Control Test Value	QCHISTPF	QCHISREC			12	
##QD	Quality Control Test Description	QCTEMPPF	QCTEMP	QCDCS1	A	16	
##RT	Run Time Substitution						
##S#	Ship To Number	SHIPFILE	SHIP	SSHCOD	A	2	
##SC	Ship To City	SHIPFILE	SHIP	SCITY	A	24	
##SI	Product Size	MANFILPF	MNREC	MNSIZE	A	3	
##SN	Ship To Name	SHIPFILE	SHIP	SLIN1	A	30	
##SP	Ship To Telephone Number	SHIPFILE	SHIP	SPHONE	A	18	
##SS	Ship To State	SHIPFILE	SHIP	SSTATE	A	2	
##SZ	Ship To Zip Code	SHIPFILE	SHIP	SZIP	A	10	
##S1	Ship To Address Line 1	SHIPFILE	SHIP	SLIN2	A	30	
##S2	Ship To Address Line 2	SHIPFILE	SHIP	SLIN3	A	30	
##S3	Ship To Address Line 3	SHIPFILE	SHIP	SLIN4	A	30	
##S4	Ship to Address Line 4	SHIPFILE	SHIP	SLIN4	A	30	

* * * E N D O F R E P O R T * * *

Printing the Archived Formula Listing

You can print a list of all or selected archived formulas.

Use the menu path below.

- ▶ *Formula Archival/Audit*
 - ▼ *Transfer Archived Formula [TAF]*

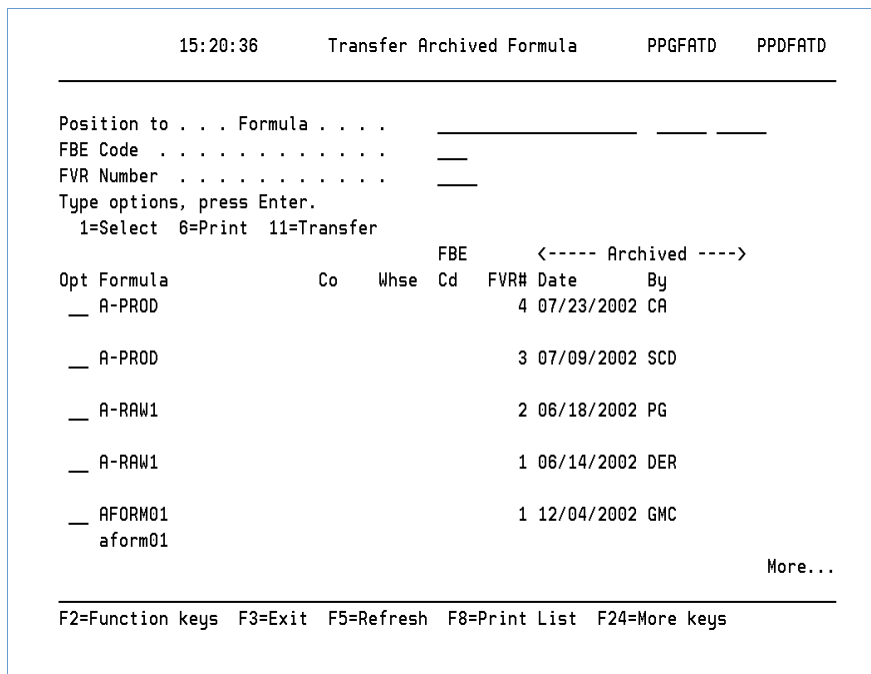


Figure 1-7: Transfer Archived Formula selection screen

To run a report for one archived formula, type **6** beside the formula and press [Enter].
To generate a report for all archived formulas, press [F8].

You can also generate this report from the *Display Archived Formula* option.

A sample of this report is on the next page.

PPGFATD PPTFAL
10/21/02 14:33:50

ARCHIVED FORMULAS LISTING

PAGE 1
PJT

FORMULA	Co	Whse	FBE Code	FVR NUMBER	DESCRIPTION	ACTIVE CODE	CLASS CODE	MSDS REV CD	ARCHIVED DATE	ARCHIVED TIME
GLG				1	Final golf kit container bom	1	4		09/20/2002	11:00:13
GOLF IRONS	IS1	ISW1		2	Golf irons/kit component formula	1	3		09/19/2002	10:53:02
GOLF IRONS				1	Golf irons/kit component formula	1	3		09/19/2002	10:52:26
GOLF WOODS				1	Golf woods/kit component	1	3		09/20/2002	11:59:35

***** RECORDS SELECTED . . 000004

***** END OF REPORT *****

ACTIVE CODES: 1 - ACTIVE; 2 - TEST; 3 - REMOVE; 4 - OBSOLETE.

CLASS CODES: 1 - FORMULA; 2 - RAW MATERIAL BREAKDOWN; 3 - INTERMEDIATE; 4 - BILL OF MATERIAL; 5 - MASTER / BASE.

Printing the Audit Notes Listing

You can print a list of all audit notes for formulas or selected audit notes.

Use the menu path below.

- ▶ *Formula Archival/Audit*
 - ▼ *Work with Audit Notes [WWAN]*

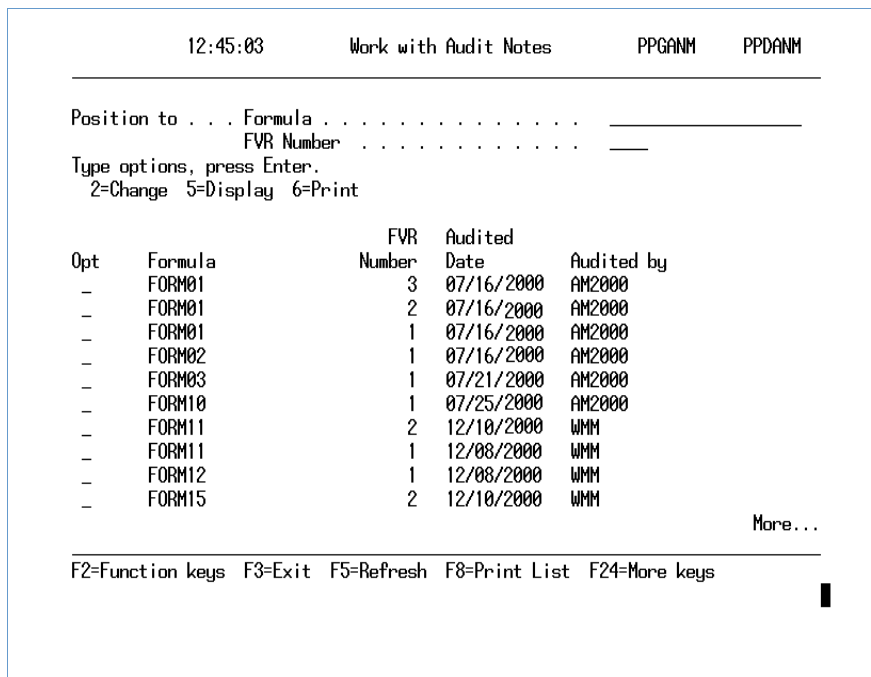


Figure 1-8: Work with Audit Notes selection screen

To run a report for one formula with audit notes, type **6** beside the formula and press [Enter]. To generate a report for all formulas with audit notes, press [F8].

You can also generate this report from the *Display Audit Notes* option.

A sample of this report is on the next page.

Company and Warehouse Location
FORMULA : GLG Final golf kit container
FVR NUMBER : 1
DATE AND TIME OF REVISION : 09/20/2002 11:00:15
MSDS REVISION CODE :
INITIALS OF PERSON REVISING :
PROGRAM, WORK STATION AND USER : PRGFM TRN6004S1 PJT
NOTES :

Company and Warehouse Location
FORMULA : GOLF IRONS Golf irons/kit component
FVR NUMBER : 1
DATE AND TIME OF REVISION : 09/19/2002 10:52:27
MSDS REVISION CODE :
INITIALS OF PERSON REVISING :
PROGRAM, WORK STATION AND USER : PRGFM TRN6004S1 PJT
NOTES :

Company and Warehouse Location
FORMULA : GOLF IRONS Golf irons/kit component
FVR NUMBER : 2
DATE AND TIME OF REVISION : 09/19/2002 10:53:02
MSDS REVISION CODE :
INITIALS OF PERSON REVISING :
PROGRAM, WORK STATION AND USER : PRGFM TRN6004S1 PJT
NOTES :

Company and Warehouse Location
FORMULA : GOLF WOODS Golf woods/kit component
FVR NUMBER : 1
DATE AND TIME OF REVISION : 09/20/2002 11:59:36
MSDS REVISION CODE :
INITIALS OF PERSON REVISING :
PROGRAM, WORK STATION AND USER : PRGFM TRN6004S1 PJT
NOTES :

Notes

Part 2

Printing Infinium Manufacturing Control Reports

2

The part consists of the following topics:

Topic	Page
Printing the Requirements Report	2-2
Printing the Product Filling Report	2-7
Printing the Batch Variance Report	2-10
Printing the Canceled Batches Report	2-13
Printing the Deleted Batches Report	2-16
Printing the Batch Analysis by Warehouse Report	2-19
Printing the Batch Costing Report	2-22
Reprinting the Batch Ticket	2-26
Printing the QC Formula Analysis Report	2-28
Printing the QC Summary by Formula Report	2-32
Printing the Costed Production Report	2-35
Printing the Costed Usage Report	2-39

Printing the Requirements Report

The Requirements report is similar to the Requirements display in that it lists the items used or scheduled to be used by the batches you specify. The report is sorted by company, warehouse, item, and batch. You can limit the selection by company, warehouse, batch status, batch number range, and/or date range (for scheduled, ship, planned production, or actual production date). You can also limit the selection to ingredients that have one of the five Cost codes you specify.

You define cost codes using the Infinium Cross Applications *Work with Cost Code* option. Use this option to assign a Cost code to each raw material/resource.

The report includes the following information:

- Company and warehouse
- Batch status
- Ingredient identifier
- Scheduled and actual usage
- Variance between scheduled and actual usage
- Storage index
- Batch number
- Scheduled date, ship date, planned production date, or actual production date
- Total and average scheduled and actual usage for each item at the company level
- Batch count for each item at the company level

Use the menu path below.

- ▶ *Manufacturing Control Reports*
 - ▼ *Print Requirements [PR]*

```

15:44:22          Print Requirements          MCR130S  MC130FM
-----
Company . . . . . IS2 +
Warehouse . . . . . ISW2 +
Batch Status . . . . . 6 (0=Firm Planned,
                          1=Scheduled,
                          2=In Process,
                          3=Partial Close,
                          4=Full Close,
                          5=Final Close,
                          6=All)

Batch Range . . . . . + _____ +
Resource Selection . . . . . B + L + M + _ + _ +
Material and Size . . . . . _____ +

Select one of the following
  1=Select
  _ Scheduled Date          _ Ship Date
  _ Planned Usage Date     I Production Date
Date Range . . . . . _____

F2=Function keys  F3=Exit  F4=Prompt  F8=Print  F24=More keys

```

Figure 2-1: Print Requirements screen

Your entries on this selection screen determine which batches are included in the report. The system prints the planned production date for batches with a status of 0, 1, 2, 3 and 4 and the actual production date for batches with a status of 5.

Batch Status

Specify the batch status. This is a required field.

Resource Selection

Specify up to five cost codes in these fields or leave the fields blank to include items regardless of cost code.

Press [Enter] to validate your entries or press [F8] to print the report.

A partial sample report is shown on the next page.

MCR030 MC030PRF
2/10/02 8:15:55

REQUIREMENTS REPORT

 Company IS1 INFINIUM SOFTWARE (INSTRUCTOR)
 Warehouse ISW1 INFINIUM WAREHOUSE #1
 Batch Status 6
 Batch Range -
 Resource Selection
 Material and Size
 Scheduled Date
 Ship Date
 Planned Usage Date
 Actual Production Date
 Date Range 00/00/0000 - 00/00/0000

MCR030 MC030PRF
2/10/02 8:15:55

REQUIREMENTS REPORT

IS1 INFINIUM SOFTWARE (INSTRUCTOR)
ISW1 INFINIUM WAREHOUSE #1

BATCH PROD STATUS	MATERIAL DATE	SIZE	SCHEDULED		ACTUAL		PERCENT		AISLE	BIN	LOT#
			QTY	UM	QTY	UM	VARIANCE				
BATCH 0	FORM05		12.0000	LB	12.0000	LB		%			MC
BATCH 2	0003 08/18/2002		12.0000	LB	12.0000	LB		%			MC
BATCH 2	0004 09/15/2002		12.0000	LB	12.0000	LB		%			MC
BATCH 1	0005 07/25/2002		11.9234	LB	11.9234	LB		%			MC
BATCH 1	0017 09/01/2002		11.9233	LB	11.9233	LB		%			MC
BATCH 4	0024 07/31/2002		11.9233	LB	11.9233	LB		%			MC
012398	0006 01/23/2002		2.3847	LB	2.3847	LB		%			MC
012398	0008 01/23/2002		59.6164	LB	59.6164	LB		%			MC
073197	0006 09/08/2002		11.9233	LB	11.9233	LB		%			MC
073197	0010 08/15/2002		11.9233	LB	11.9233	LB		%			OP
080497	0001 08/07/2002		157.6177		157.6177	LB					
	MATERIAL TOTAL:		15.7617		15.7617	LB					
	AVERAGE:										
	COUNT: 10										
BATCH 1	FORM06		100.0000	LB	100.0000	LB		%			MC
BATCH 4	0018 09/01/2002		100.0000	LB	100.0000	LB		%			MC
073197	0002 08/11/2002		100.0000	LB	100.0000	LB		%			MC
073197	0014 12/09/2002		100.0000	LB	100.0000	LB		%			MC

1			100.0000	LB	100.0000	LB	%		OP
080497	0002	08/07/2002							
		MATERIAL TOTAL:	400.0000		400.0000	LB			
		AVERAGE:	100.0000		100.0000	LB			
		COUNT:							
1	FORM11		50.0000	LB	50.0000	LB	%		MC
BATCH	0018	09/01/2002							
4			50.0000	LB	40.0000	LB	25.0000-	%	MC
073197	0002	08/11/2002							
1			50.0000	LB	50.0000	LB	%		MC
073197	0014	12/09/2002							
1			50.0000	LB	50.0000	LB	%		OP
080497	0002	08/07/2002							
		MATERIAL TOTAL:	200.0000		190.0000	LB			
		AVERAGE:	50.0000		47.5000	LB			
		COUNT:							
1	HAZRAW01		12.0000	GL	12.0000	GL	%		MC
BATCH	0010	12/12/2002							
3			11.9748	GL	11.9748	GL	%		MC
BATCH	0016	09/01/2002							
0			12.0000	GL	12.0000	GL	%		MC
012398	0001	01/23/2002							
1			1.1975	GL	1.1975	GL	%		MC
012398	0002	01/23/2002							
2			1.1975	GL	1.1975	GL	%		MC
012398	0005	01/23/2002							
1			.1533	GL	.1533	GL	%		MC
012398	0007	01/23/2002							
		MATERIAL TOTAL:	38.5231		38.5231	GL			
		AVERAGE:	6.4205		6.4205	GL			
		COUNT:							
1	HAZRAW05		10.0000	GL	10.0000	GL	%		MC
BATCH	0010	12/12/2002							
3			9.9790	GL	9.9790	GL	%		MC
BATCH	0016	09/01/2002							
0			10.0000	GL	10.0000	GL	%		MC
012398	0001	01/23/2002							
1			.9979	GL	.9979	GL	%		MC
012398	0002	01/23/2002							
2			.9979	GL	.9979	GL	%		MC
012398	0005	01/23/2002							
1			.1277	GL	.1277	GL	%		MC
012398	0007	01/23/2002							
		MATERIAL TOTAL:	32.1025		32.1025	GL			
		AVERAGE:	5.3504		5.3504	GL			
		COUNT:							
1	HAZRAW08		34.0000	GL	34.0000	GL	%		MC
BATCH	0010	12/12/2002							
3			33.9285	GL	33.9285	GL	%		MC
BATCH	0016	09/01/2002							
0			34.0000	GL	34.0000	GL	%		MC
012398	0001	01/23/2002							
1			3.3928	GL	3.3928	GL	%		MC
012398	0002	01/23/2002							

2		3.3928	GL	3.3928	GL	%	MC
012398	0005 01/23/2002						
1		.4342	GL	.4342	GL	%	MC
012398	0007 01/23/2002						
	MATERIAL TOTAL:	109.1483		109.1483	GL		
	AVERAGE:	18.1913		18.1913	GL		
	COUNT: 6						
1	HAZRAW09	5.0000	GL	5.0000	GL	%	MC
BATCH	0010 12/12/2002						
3		4.9895	GL	4.9895	GL	%	MC
BATCH	0016 09/01/2002						
0		5.0000	GL	5.0000	GL	%	MC
012398	0001 01/23/2002						
1		.4989	GL	.4989	GL	%	MC
012398	0002 01/23/2002						
2		.4989	GL	.4989	GL	%	MC
012398	0005 01/23/2002						
1		.0639	GL	.0639	GL	%	MC
012398	0007 01/23/2002						
	MATERIAL TOTAL:	16.0512		16.0512	GL		
	AVERAGE:	2.6752		2.6752	GL		
	COUNT: 6						

Printing the Product Filling Report

The Product Filling report, which is similar to the Finished Product display, lists the items filled or scheduled to be filled by the batches you specify. The report is sorted by company, warehouse, item, and batch. You can limit the selection by company, warehouse, batch status, batch number range, and/or date range (for scheduled, ship, planned production, or actual production date).

The report includes the following information:

- Company and warehouse
- Batch status
- Filled item identifier
- Scheduled and actual fill
- Variance between scheduled and actual fill
- Storage index
- Batch number
- Scheduled date, ship date, planned production date, or actual production date
- Total and average scheduled and actual fill for each item
- Batch count for each item

Use the menu path below.

- ▶ *Manufacturing Control Reports*
 - ▼ *Print Product Filling [PPF]*

```

15:45:28      Print Product Filling      MCR030S  MC030FM
-----
Company . . . . . TS2 +
Warehouse . . . . . ISW2 +
Batch Status . . . . . 6      (0=Firm Planned,
                               1=Scheduled,
                               2=In Process,
                               3=Partial Close,
                               4=Full Close,
                               5=Final Close,
                               6=All)

Batch Range . . . . . _ _ _ _ _ + _ _ _ _ _ +

Select one of the following
  1=Select
  _ Scheduled Date          _ Ship Date
  _ Planned Production Date  1 Actual Production Date

Date Range . . . . . _ _ _ _ _

-----
F2=Function keys  F3=Exit  F4=Prompt  F8=Print  F24=More keys

```

Figure 2-2: Print Product Filling screen

If you do not select a date field, the system prints the planned production date for batches with a status of **0**, **1**, **2**, **3**, and **4** and the actual production date for batches with a status of **5**.

Batch Status

Specify the batch status. This is a required field.

Press [Enter] to validate your entries or press [F8] to print the report.

A value of **9999999** displays in the *Percent Variance* field when the schedule quantity is zero.

A sample report is shown on the next page.

MCR032 MC032PRF
12/22/02 15:42:48

PRODUCT FILLING REPORT

Company IS2 INFINIUM SOFTWARE
Warehouse ISW2 INFINIUM WAREHOUSE #2
Batch Status 6
Batch Range 0000 - 0000
Scheduled Date
Ship Date
Planned Production Date
Actual Production Date 1
Date Range 00/00/0000 - 00/00/0000

MCR032 MC032PRF
12/22/02 15:42:48

PRODUCT FILLING REPORT

PAGE 1

IS2 INFINIUM SOFTWARE
ISW2 INFINIUM WAREHOUSE #2

BATCH STATUS	PRODUCT	SIZE	SCHEDULED QTY	UM	ACTUAL QTY	UM	PERCENT VARIANCE	Aisle	Bin	Lot#	BATCH	ACTUAL PROD DATE
0	PROD01		53.0000	LB	53.0000	LB	%			MC1219970003	MC 121997 0003	12/19/2002
	TOTAL:		53.0000		53.0000		EA					
	AVERAGE:		53.0000		53.0000		EA					
	COUNT:	1										
4	PROD02				100.0000	EA	9999999	%		MC1219970005	MC 121997 0005	12/19/2002
	TOTAL:				100.0000		EA					
	AVERAGE:				100.0000		EA					
	COUNT:	1										

***** END OF REPORT *****

Printing the Batch Variance Report

The Batch Variance report lists the cost and yield variance for each batch for the companies, warehouses, batch status, batch number range and actual production date range you specify. You can include only batches for which you have performed full or final close.

The report includes the following information:

- Company and warehouse
- Month ending date
- Formula and batch identifier
- Actual production date
- Scheduled and actual cost and yield
- Variance between scheduled and actual cost and yield
- Batch counts at the formula, warehouse, company and report levels
- Total actual yield at the formula, warehouse, company and report levels
- Average cost and yield variance at the formula, warehouse, company and report levels

Use the menu path below.

- ▶ *Manufacturing Control Reports*
 - ▼ *Print Batch Variance [PBV]*

15:46:07	Print Batch Variance	MC035R	MC035F
<hr/>			
Company	IS2 +		
Warehouse	ISW2 +		
Batch Status	5 (4=Full Close, 5=Final Close,)		
Batch Range	_____ + _____ +		
Actual Production Date Range . . .	_____	_____	
UM For Report Totals	LB +		
Month Ending Date	_____		
<hr/>			
F2=Function keys F3=Exit F4=Prompt F8=Print F24=More keys			

Figure 2-3: Print Batch Variance screen

Your entry in the *Month Ending Date* field prints in the report heading. This date does not determine the batches the system prints on the report.

Batch Status and *UM For Report Totals* are required fields. The *UM For Report Totals* default is retrieved from the *Report Quantity Totals UM* field in the Warehouse, Company or Entity control file.

Press [Enter] to validate your entries or press [F8] to print the report.

A sample report is shown on the next page.

MC036R MC035P
12/22/02 15:43:02

B A T C H V A R I A N C E R E P O R T

```

-----
Company . . . . . IS2                INFINIUM SOFTWARE
Warehouse . . . . . ISW2            INFINIUM WAREHOUSE #2
Batch Status . . . . . 5
Batch Range . . . . . 0000 - 0000
Date Range . . . . . 00/00/0000 - 00/00/0000
UM For Report Totals . . . . . LB
Month Ending Date . . . . . 00/00/0000

```

NUMBER OF BATCHES	FORMULA TOTAL	LB	AVG	AVG
NUMBER OF BATCHES	WAREHOUSE TOTAL	LB	AVG	AVG
NUMBER OF BATCHES	COMPANY TOTAL	LB	AVG	AVG
NUMBER OF BATCHES	CORPORATE TOTAL	LB	AVG	AVG

***** END OF REPORT *****

Printing the Canceled Batches Report

The Canceled Batches report lists batches that you canceled by pressing [F12] from the *Firm Planned Orders*, *Scheduled Batches* or *Transfer Batches* options. You can manually assign the listed numbers to new batches.

The report includes the following information:

- Company and warehouse
- Batch and formula identifier
- Workstation from which you canceled the batch
- User who canceled the batch
- Date and time you canceled the batch
- Total number of batches listed

Use the menu path below.

- ▶ *Manufacturing Control Reports*
 - ▼ *Print Cancelled Batches [PCB]*

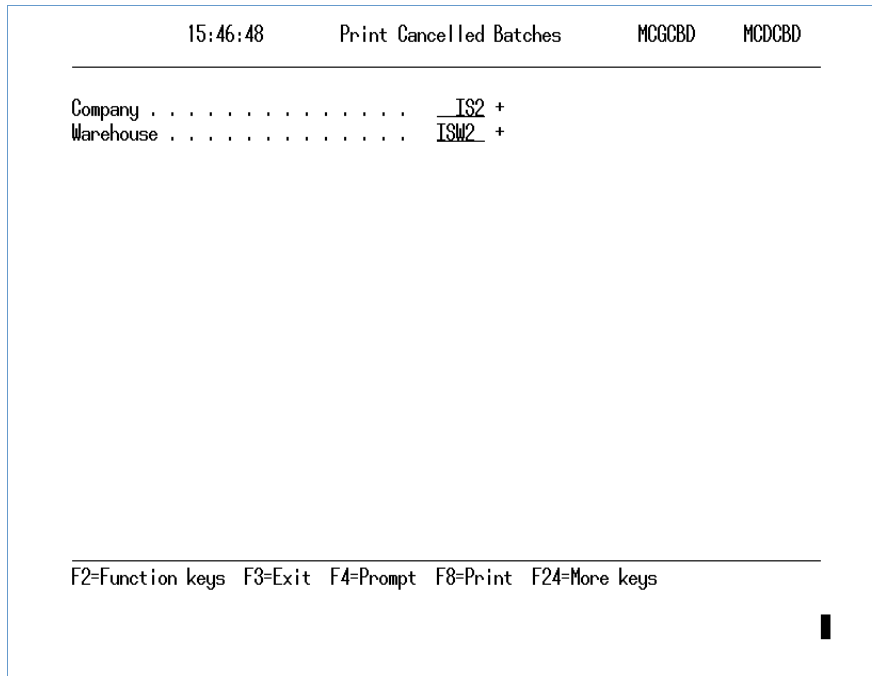


Figure 2-4: Print Cancelled Batches screen

After you complete the *Company* and *Warehouse* fields, press [F8] to print the Canceled Batches report.

A sample report is shown on the next page.

MCGCBR MCTCB
12/22/02 15:43:21

C A N C E L L E D B A T C H E S R E P O R T

WMM

Company IS2 INFINIUM SOFTWARE
Warehouse ISW2 INFINIUM WAREHOUSE #2

MCGCBR MCTCB
12/22/02 15:43:21

C A N C E L L E D B A T C H E S R E P O R T

PAGE 1
WMM

COMPANY WAREHOUSE BATCH FORMULA WORKSTATION USER DATE TIME
IS2 ISW2 MC 121997 0001 FORM01 WMGERHARDF WMM 12/19/2002 9:38:58
BATCH COUNT 1

***** END OF REPORT *****

Printing the Deleted Batches Report

The Deleted Batches report lists batches that you deleted using the *Delete Batches* option. You can manually assign the listed numbers to new batches.

The report includes the following information:

- Company and warehouse
- Batch and formula identifier
- Workstation or job from which the batch was deleted
- User who deleted batch
- Date and time user deleted batch
- Total number of batches listed

Use the menu path below.

- ▶ *Manufacturing Control Reports*
 - ▼ *Print Deleted Batches* [PDB]

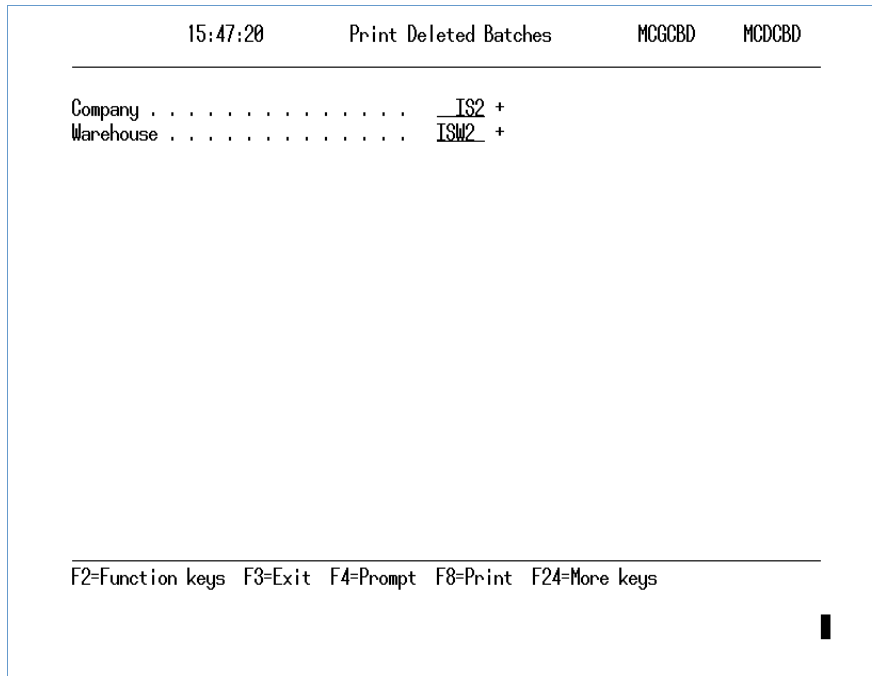


Figure 2-5: Print Deleted Batches screen

After you complete the *Company* and *Warehouse* fields, press [F8] to print the Deleted Batches report.

A sample report is shown on the next page.

MCGDBR MCTDB
2/10/02 8:20:31

D E L E T E D B A T C H E S R E P O R T

WMM

Company IS2 INFINIUM SOFTWARE (INSTRUCTOR)
Warehouse ISW2 INFINIUM WAREHOUSE #2

MCGDBR MCTDB
2/10/02 8:20:31

D E L E T E D B A T C H E S R E P O R T

PAGE 1
WMM

COMPANY	WAREHOUSE	BATCH	FORMULA	WORKSTATION	USER	DATE	TIME
IS2	ISW2	MC BATCH 0004	FORM02	WMGERHARDF	WMM	02/10/2002	8:19:47
IS2	ISW2	MC BATCH 0006	FORM03	QPADEV0032	AM2000	02/05/2002	10:22:53
IS2	ISW2	MC BATCH 0009	FORM11	WMGERHARDF	WMM	02/10/2002	8:19:48
IS2	ISW2	MC BATCH 0019	FORM11	WMGERHARDF	WMM	02/10/2002	8:19:49
IS2	ISW2	MC 073197 0015	FORM03	QPADEV0070	RFR	12/30/2002	15:45:04
BATCH COUNT		5					

***** END OF REPORT *****

.

Printing the Batch Analysis by Warehouse Report

The Batch Analysis by Warehouse report lists monthly fill quantity and usage cost by warehouse. You can limit the selection by company, warehouse, actual production date range and batch status. You can include only batches for which you have performed a partial, full or final close.

The report includes the following information:

- Company and warehouse
- Actual production date (month and year only)
- Monthly batch count
- Monthly fill quantity
- Monthly usage cost for labor, burden, container, other and total
- Total batch count, fill quantity, and usage cost at the warehouse, company and report levels

Use the menu path below.

- ▶ *Manufacturing Control Reports*
 - ▼ *Print Batch Analysis By Whse [PBABW]*

```

10:00:59   Print Batch Analysis By Whse   MCGBAWD   MDCBAWD
-----
Company . . . . .   TS2  +
Warehouse . . . . .   ISW2  +

Beginning Date . . . . .   121902_ (MMYYYY)
Ending Date . . . . .   21902_ (MMYYYY)

UM For Report Totals . . . . .   LB_ +

Batch Status . . . . .   3 4 5 ( 3=Partial Close, 4=Full Close,
                               5=Final Close, )

-----
F2=Function keys  F3=Exit  F4=Prompt  F8=Print  F24=More keys

```

Figure 2-6: Print Batch Analysis by Warehouse screen

The report includes batches with an actual production date in the range you type.

The *UM For Report Totals* field default is based on your entry in the *Report Quantity Totals UM* field in the Infinium MC Entity, Company or Warehouse control files.

After you complete this screen, press [F8] to print the Batch Analysis by Warehouse report.

A sample report is shown on the next page.

MCGBAWR MCTBAWR
 2/10/02 8:21:58

B A T C H A N A L Y S I S B Y W A R E H O U S E R E P O R T

 Company IS2 INFINIUM SOFTWARE (INSTRUCTOR)
 Warehouse ISW2 INFINIUM WAREHOUSE #1
 Beginning Date 12/2002 (MM/YYYY)
 Ending Date 2/2002 (MM/YYYY)
 UM For Report Totals LB
 Batch Status 3 4 5

MCGBAWR MCTBAWR
 2/10/02 8:21:58

B A T C H A N A L Y S I S B Y W A R E H O U S E R E P O R T

PAGE 1

CO	WHSE	PRODUCTION DATE (MM/YYYY)	BATCH COUNT	PRODUCTION IN Pound (	LABOR USAGE VALUE	BURDEN USAGE VALUE	CONTAINER USAGE VALUE	OTHER USAGE VALUE	TOTAL USAGE VALUE
IS2	ISW2	1/2002	1	200					
IS2	ISW2	2/2002	3	1039	\$25			\$363	\$388
IS2	ISW2	WAREHOUSE TOTALS	4	1239	\$25			\$363	\$388
IS2		COMPANY TOTALS	4	1239	\$25			\$363	\$388
		FINAL TOTALS	4	1239	\$25			\$363	\$388

***** END OF REPORT *****

Printing the Batch Costing Report

Use the *Print Batch Costs* option to print the Batch Costing report for any batch, regardless of its status. This is the same report the system automatically prints when you complete the *Close To Cost Batch (FINAL)* or *Express Final Close* option.

▶ *Manufacturing Control Reports*

▼ *Print Batch Costs [PBC]*

15:49:34	Print Batch Costs	MCR100	MCD100
Company	IS2 +		
Warehouse	ISW2 +		
Batch Number	MC 121997 0004 +		
Print Finished Products?	Y	(Y=Yes, N=No)	
Print Containers?	Y	(Y=Yes, N=No)	
F2=Function keys F3=Exit F4=Prompt F8=Print F24=More keys			

Figure 2-7: Print Batch Costs screen

The *Print Finished Products?* and *Print Containers?* field values are based on your entry in the *Default Print Fill* and *Default Print Container* fields in the Infinium Manufacturing Control Entity, Company or Warehouse Control files.

If you use weighted average or actual batch weighted average cost, the *Print WAC Report* field also displays with your default

All of the fields on this screen are required.

Press [Enter] to validate your entry or press [F8] to print the Batch Costing report.

A sample report is shown on the next page.

MCR100 MC100PRF
2/10/02 10:47:43

B A T C H C O S T I N G

PAGE

COMPANY AND WAREHOUSE		IS2	ISW2	BATCH NUMBER		MP 961007 0020	SCHEDULED YIELD		400.0000 GL	PRODUCTION DATE 12/20/2002
FORMULA		Teresa's test of Formula 3		ACTUAL YIELD		400.0000 GL	LOSS FACTOR		SCHED. USAGE UM	
PRODUCT	SCHED. EXT.	1rst SI	2nd SI	3rd SI	UM	WT/VOL	FILE COST UM	USAGE COST UM	SCHED. USAGE UM	ACTUAL USAGE UM
HAZFRM2										
TS-INTERMED					GL	9.08663		GL	71.3092 GL	71.3092 GL
1023.893201		1023.893201			GL	9.14213	6.563885 GL	6.563885 GL	155.9889 GL	155.9889 GL
WATER					GL	8.33200	.120000 GL	.120000 GL	155.9888 GL	155.9888 GL
18.718656		18.718656			GL	6.58000	3.500000 GL	3.500000 GL	2.2284 GL	2.2284 GL
ASCORBIC ACID					GL	8.17000	.330000 GL	.330000 GL	4.4568 GL	4.4568 GL
7.799400		7.799400			GL	8.00000	.890000 GL	.890000 GL	10.0279 GL	10.0279 GL
ISOPROPYL ALCOHOL					HR		11.340000 HR	11.340000 HR	17.8273 HR	17.8273 HR
1.470744		1.470744			HR		7.850000 HR	7.850000 HR	12.2563 HR	12.2563 HR
A03					EA		2.750000 EA	2.750000 EA	4.4568 EA	4.4568 EA
8.924831		8.924831								
LABOR										
202.161582		202.161582								
BURDEN										
96.211955		96.211955								
MACHINE COST										
12.256200		12.256200								

1371.436569		1371.436569								
BATCH COSTS:		BASED ON SCHEDULED YIELD OF		400.0000	GL	=	3.428591			
		BASED ON ACTUAL YIELD OF		400.0000	GL	=	3.428591			
		BASED ON BEFORE PACKAGING YIELD OF		400.0000	GL	=	3.428591			
		ACTUAL PACKAGING YIELD (-) CONTNRS		400.0000	GL	=	3.428591			

MCR100 MC100PRF
2/10/02 10:47:43

B A T C H C O S T I N G

PAGE

COMPANY AND WAREHOUSE IS2 ISW2 BATCH NUMBER MP 961007 0020
FORMULA TS-FORM3 SCHEDULED YIELD 400.0000 GL PRODUCTION DATE 12/20/2002
Teresa's test of Formula 3 ACTUAL YIELD 400.0000 GL LOSS FACTOR
FINISHED PRODUCT INFORMATION: CONTAINER INFORMATION:
MATERIAL ID SIZE ACTUAL USAGE UM COST UM 1rst SI 2nd SI 3rd SI MATERIAL ID SIZE ACTUAL USAGE UM
COST UM
TS-FORM3 GL 400.0000 GL 3.508592 GL MP9610070020 MP110 CAN 400.0000 EA
.010000 EA LID 400.0000 EA
.030000 EA LABEL 400.0000 EA
.040000 EA
***** END OF REPORT *****

Reprinting the Batch Ticket

Use the *Reprint Batch Ticket* option to reprint the batch ticket for one or more batches, regardless of batch status. The custom reprint batch ticket often has the same format and content as the batch ticket you print using the *Transfer Batches* option, although it may be labeled as a reprint in the heading of each page. An example of a batch ticket is shown at the end of this section.

▶ *Manufacturing Control Reports*

▼ *Reprint Batch Tickets [RBT]*

```
15:50:31      Reprint Batch Tickets      MCR015      MC015FM
-----
Type information
Company . . . . . IS2 +
Warehouse . . . . . ISW2 +

Batch Status . . . . . 6 _ _ _ (0=Firm Planned,
                               1=Scheduled,
                               2=In Process,
                               3=Partial Close,
                               4=Full Close,
                               5=Final Close,
                               6=All)

Select one of the following
1=Select
Opt   Display Sequence      Position To
1     Batch . . . . .      _ _ _ _ _
-     Formula . . . . .    _ _ _ _ _
-     Planned Production Date . . . . .    _ _ _ _ _

-----
F2=Function keys F3=Exit F4=Prompt F10=QuickAccess F18=Message line
```

Figure 2-8: Reprint Batch Tickets prompt screen

The information you type on this screen determines the batches that are listed on the next screen. If you do not select a display sequence, batches display in batch number order.

Company, *Warehouse* and *Batch Status* are required fields.

Press [Enter] to continue.

```

1/03/03  15:51:37      Reprint Batch Tickets      MCR015  MCR015FM
-----
                                Batch Sequence
Company . . . . . : IS2
Warehouse . . . . . : ISW2
Position To . . . Batch . . . . . : _____
Type options, press Enter.
                    5=Reprint

S St  Batch      Formula      FBE Production  --Actual/Scheduled--
Cd Date      Yield      UM
_ 0 MC 121997 0003  FORM02      12/19/1997    50.0000      LB
5 2 MC 121997 0004  FORM02      12/19/1997   125.0000     LB
_ 4 MC 121997 0005  FORM03      12/19/1997   100.0000     EA
_ 2 MC 121997 0006  FORM20      12/19/1997   100.0000     GL

-----
F2=Function keys F3=Exit F10=QuikAccess F24=More keys
Nothing found for scan characters entered.

```

Figure 2-9: Reprint Batch Tickets selection screen

Use this screen to select the batches for which you want to reprint tickets.

Press [F11] (**Alternate View**) to display the *Rev/Ref*, *Theoretical Cost* and *Actual Cost* fields for batches with a status of 5.

To reprint batch tickets, type 5 to the left of one or more batches, press [Enter], then press [F3].

Printing the QC Formula Analysis Report

The QC Formula Analysis report shows the target and actual quality control information for each batch for which you have completed the *Close To Cost Batch (FINAL)* option. The report is sorted by company, warehouse, formula, actual production date, batch number and quality control close sequence number. You can limit the selection by company, warehouse and formula range. You can also limit the number of batches that print for each formula.

The report includes the following information:

- Company and warehouse
- Formula identifier
- Actual production date
- Batch identifier
- Actual yield
- Quality control close sequence
- Quality control test name
- Target and actual quality control values
- Item identifier and quantity for each batch addition

Use the menu path below.

- ▶ *Quality Control*
 - ▼ *Print Formula Analysis Report [PFAR]*

15:52:40		Print Formula Analysis Report		QCR070	QC070FM
From Company	. . . . .	IS2	+		
From Warehouse	. . . . .	ISW2	+		
To Company	. . . . .	IS2	+		
To Warehouse	. . . . .	ISW2	+		
From Formula	. . . . .	FORM02			+
To Formula	. . . . .	FORM04			+
Number of Batches Per Formula	. . .	999			
<hr/> F2=Function keys F3=Exit F4=Prompt F8=Print F24=More keys					

Figure 2-10: Print Formula Analysis Report screen

Number of Batches Per Formula

Specify the maximum number of batches to print for each formula.

From Company, From Warehouse, To Company, To Warehouse, From Formula and To Formula are required fields.

After you complete this screen, press [F8] to print the QC Formula Analysis report.

A partial sample report is shown on the next page.

QCR071 QCT071
2/10/02 8:43:22

Q C F O R M U L A A N A L Y S I S R E P O R T

WMM

 From Company IS2
 From Warehouse ISW2
 To Company TAS
 To Warehouse TAS
 From Formula TS-FORM1
 To Formula TS-FORM9
 Number of Batches Per Formula . . . 999

QCR071 QCT071
2/10/02 8:43:22

Q C F O R M U L A A N A L Y S I S R E P O R T

PAGE
WMM

COMP SIZE	WHSE	FORMULA QTY UM	DATE	BATCH	ACT. YLD	Q.C. ID	DESC. 1	DESC. 2	NORMAL VAL.	QC MS RM
IS2	ISW2	TS-FORM1	07/30/2002	TS JUNE97 0029	502.6715	000	RETEST DSCR-TSFORM1	DSC2-TSFORM1	6.00000	TEST
				TS JUNE97 0029	502.6715	000	EXPIRE THIS IS THE	EXPIRATION	65.00000	MS
				TS JUNE97 0029	502.6715	000	COLOR THIS IS FOR	BRIGHTNESS	15.00000	DEGR
				TS JUNE97 0029	502.6715	000	COLOR ALFNVNLV	DALFNV	17.50000	EA
				TS JUNE97 0029	502.6715	000	SHINE SADLFN	ASLGN4LTRNL	7.00000	
				TS JUNE97 0029	502.6715	000	TEMPTR AFLNLN	DLFNL3NON	3.00000	
				TS JUNE97 0029	502.6715	001	RETEST ASDLFJ	SADSLGJ	44.30000	
				TS JUNE97 0029	502.6715	001	EXPIRE ADFLN3	DSOH3	23.14000	
				TS JUNE97 0029	502.6715	001	COLOR AFDLN3	4TOFHOL	1.23000	
IS2	ISW2	TS-FORM1	07/30/2002	TS JUNE97 0030	100.0005	000	RETEST DSCR-TSFORM1	DSC2-TSFORM1	6.00000	TEST
				TS JUNE97 0030	100.0005	000	EXPIRE THIS IS THE	EXPIRATION	65.00000	MS
				TS JUNE97 0030	100.0005	000	COLOR THIS IS FOR	BRIGHTNESS	15.00000	DEGR
				TS JUNE97 0030	100.0005	000	COLOR ALFNVNLV	DALFNV	17.50000	EA
				TS JUNE97 0030	100.0005	000	SHINE SADLFN	ASLGN4LTRNL	7.00000	
				TS JUNE97 0030	100.0005	000	TEMPTR AFLNLN	DLFNL3NON	3.00000	
IS2	ISW2	TS-FORM1	07/30/2002	TS JUNE97 0032	251.3358	000	RETEST DSCR-TSFORM1	DSC2-TSFORM1	6.00000	TEST
				TS JUNE97 0032	251.3358	000	EXPIRE THIS IS THE	EXPIRATION	65.00000	MS
				TS JUNE97 0032	251.3358	000	COLOR THIS IS FOR	BRIGHTNESS	15.00000	DEGR
				TS JUNE97 0032	251.3358	000	COLOR ALFNVNLV	DALFNV	17.50000	EA
				TS JUNE97 0032	251.3358	000	SHINE SADLFN	ASLGN4LTRNL	7.00000	
				TS JUNE97 0032	251.3358	000	TEMPTR AFLNLN	DLFNL3NON	3.00000	
IS2	ISW2	TS-FORM1	08/01/2002	TS JUNE97 0038	300.0014	000	RETEST DSCR-TSFORM1	DSC2-TSFORM1	6.00000	TEST
				TS JUNE97 0038	300.0014	000	EXPIRE THIS IS THE	EXPIRATION	65.00000	MS
				TS JUNE97 0038	300.0014	000	COLOR THIS IS FOR	BRIGHTNESS	15.00000	DEGR
				TS JUNE97 0038	300.0014	000	COLOR ALFNVNLV	DALFNV	17.50000	EA
				TS JUNE97 0038	300.0014	000	SHINE SADLFN	ASLGN4LTRNL	7.00000	
				TS JUNE97 0038	300.0014	000	TEMPTR AFLNLN	DLFNL3NON	3.00000	
IS2	ISW2	TS-FORM2	08/08/2002	TS AUG 97 0002	22.0000	000	RETEST SADLVN	SADLFNL	5.00000	MIN
				TS AUG 97 0002	22.0000	000	EXPIRE FVLKNRFELNO	SFLT3EPOIHVF	30.00000	TIME
				TS AUG 97 0002	22.0000	000	COLOR DESCR ONE	DESCR TWO	50.00000	EYE
IS2	ISW2	TS-FORM2	12/09/2002	TS DEC 97 0015	265.0000	000	RETEST SADLVN	SADLFNL	5.00000	MIN
				TS DEC 97 0015	265.0000	000	EXPIRE FVLKNRFELNO	SFLT3EPOIHVF	30.00000	TIME
				TS DEC 97 0015	265.0000	000	COLOR DESCR ONE	DESCR TWO	50.00000	EYE
				TS DEC 97 0015	265.0000	000	RETEST			

IS2 ISW2	TS-FORM2	08/01/2002	TS JUNE97 0025	100.0124	000	RETEST SADLVN	SADLFNL	5.00000	MIN
			TS JUNE97 0025	100.0124	000	EXPIRE FVLKNRFELNO	SFLT3EPOIHVF	30.00000	TIME
			TS JUNE97 0025	100.0124	000	COLOR DESCR ONE	DESCR TWO	50.00000	EYE
IS2 ISW2	TS-FORM6	07/17/2002	TS JUNE97 0007	112.9949	001	RETEST SADLFJ	ASDLFJ	32.00000	
			TS JUNE97 0007	112.9949	001	EXPIRE ADCN3	E0FU	295.00000	DAYS
			TS JUNE97 0007	112.9949	001	GLOSS VLNR	FGLJN	4.00000	
			TS JUNE97 0007	112.9949	001	VISC TOO THICK	ADD WATER	10.00000	LBS
			TS JUNE97 0007	112.9949	001	PH			
IS2 ISW2	TS-FORM9	08/08/2002	TS JUNE97 0066	35.0005	001	RETEST TS-FORM9'S	QC TEST RES	55.40000	DAYS
			TS JUNE97 0066	35.0005	001	EXPIRE ULTS IN TEST	ING BATCCHES	2.10000	UNIT
			TS JUNE97 0066	35.0005	001	COLOR ALDSFJ	LN4L	123.00000	DEGR
						***** END OF REPORT *****			

Printing the QC Summary by Formula Report

The Q.C. Summary by Formula report lists the number of quality control closes you performed for each batch of each formula. You can limit the selection to batches that have more than the number of closes you specify. Only batches for which you have performed a final close are printed on the report.

The report includes the following information:

- Company and warehouse
- Formula identifier
- Actual production date
- Batch identifier
- Actual yield
- Highest quality control close sequence number

Use the menu path below.

- ▶ *Quality Control*
 - ▼ *Print Summary by Formula Report [PSBFR]*

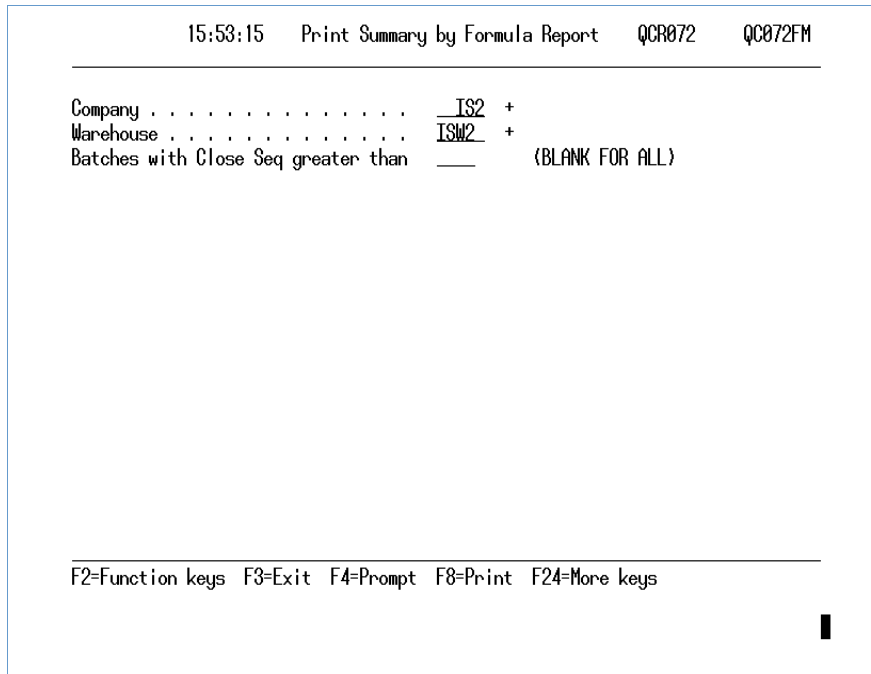


Figure 2-11: Print Summary by Formula Report screen

To obtain a meaningful report, you must type a company and warehouse.

After you complete this screen, press [F8] to print the QC Summary by Formula report.

A partial sample report is shown on the next page.

QCR073 QCT073

Q. C. S U M M A R Y B Y F O R M U L A

2/10/02 8:43:42

WMM

Company TAS

Warehouse TAS

Batches with Close Seq greater than . 000

QCR073 QCT073

Q. C. S U M M A R Y B Y F O R M U L A

PAGE 1

2/10/02 8:43:42

WMM

COMPANY	WAREHOUSE	FORMULA	DATE	BATCH	ACT. YLD	Q.C. CLOSE SEQ. NUMBER
IS2	ISW2	HAZFRM4	08/22/2002	TS JUNE97 0091	66.6637	002
IS2	ISW2	TS-FORM1	07/30/2002	TS JUNE97 0029	502.6715	001
IS2	ISW2	TS-FORM1	08/18/2002	TS JUNE97 0074	502.6715	002
IS2	ISW2	TS-FORM2	08/14/2002	TS JUNE97 0067	100.0124	001
IS2	ISW2	TS-FORM2	08/18/2002	TS JUNE97 0073	25.0000	002
IS2	ISW2	TS-FORM6	07/17/2002	TS JUNE97 0007	112.9949	001
IS2	ISW2	TS-FORM9	08/08/2002	TS JUNE97 0066	35.0005	001

***** END OF REPORT *****

Printing the Costed Production Report

The Costed Production report lists filled quantity and batch cost for each manufactured product or intermediate. You can print a detail or summary report. The detail report lists each batch for each product or intermediate, while the summary report shows the totals for each product or intermediate.

You can specify that the report is to include intermediates only, products only or both. You can limit the selection by company, warehouse, product or raw material/resource range, date range, batch status and/or batch number range. You can also include up to five cost codes.

This report includes the following information:

- Company and warehouse
- Product or intermediate identifier and description
- Batch number (on detail report)
- Filled quantity
- Up to five cost codes and costs
- Total value for the batch (on detail report)
- Total quantity and costs at the product, warehouse and report levels
- Total quantity at the warehouse and grand total levels printed in the report totals unit of measure you specified in the Control files

Use the menu path below.

- ▶ *Manufacturing Control Reports*
 - ▼ *Print Costed Production [PCP]*

15:53:55	Print Costed Production	INV502	INV502F
<hr/>			
Company	IS2 +		
Warehouse	ISW2 +		
Beginning Product Code	_____	+ Size	___
Ending Product Code	_____	+ Size	___
Date Range	_____		
Cost Type	C +		
Material Cost Type Code	B C _ _ _ +		
Batch Status	-	1. Partial	
		2. Full	
		3. Final	
Product Fill Option	1	1. Products	
		2. Intermediates	
Beginning Batch Number	__	_____	+
Ending Batch Number	__	_____	+
Report Type	1	1. Detail	
		2. Summary	
<hr/>			
F2=Function keys F3=Exit F4=Prompt F8=Print F24=More keys			

Figure 2-12: Print Costed Production screen

Cost Type, *Material Cost Type Code*, and *Report Type* are required fields. If you are authorized to one warehouse only, *Company* and *Warehouse* are display fields. Otherwise, they are optional entry fields.

Press [Enter] to validate your entries, or press [F8] to print the Costed Production report.

Sample detail and summary reports are shown on the next two pages.

INV502R INI502R
2/10/02 8:31:18

COSTED PRODUCTION REPORT

WMM

Company IS1
Warehouse ISWL
Beginning Product
Beginning Size Code
Ending Product
Ending Size Code
Beginning Date 00/00/0000
Ending Date 00/00/0000
Cost Type C Current Cost
Material Cost Code Type R C
Batch Status
Product Fill Option 1 Product
Beginning Batch Number 0000
Ending Batch Number 0000
Report Type 1 Detail

INV502R INI502R
2/10/02 8:31:18

COSTED PRODUCTION REPORT

PAGE
WMM

PRODUCT	SIZE DESCRIPTION	BATCH NUMBER	QUANTITY	UM	Raw Matl	Container					TOTAL VALUE	
COMP	IS1	WHSE	ISWL									
FORM07		MC 073197	0002	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SUBTOTAL FOR FORM07			.00	.00	.00	.00	.00	.00	.00	.00	.00
PROD01	CHERRY PIE	MC BATCH	0008	200.00	EA	1.08	10.00	.00	.00	.00	.00	11.08
PROD01	CHERRY PIE	MC 012398	0006	25.00	EA	.14	1.25	.00	.00	.00	.00	1.39
PROD01	CHERRY PIE	MC 012398	0008	10.00	EA	.05	.50	.00	.00	.00	.00	.55
PROD01	CHERRY PIE	OP 080497	0001	10.00	EA	.05	.50	.00	.00	.00	.00	.55
	SUBTOTAL FOR PROD01			245.00		1.32	12.25	.00	.00	.00	.00	13.57
PROD02	APPLE PIE	MC 012398	0006	25.00	EA	1093.94	6.25	.00	.00	.00	.00	1100.19
PROD02	APPLE PIE	MC 073197	0014	100.00	EA	4375.76	25.00	.00	.00	.00	.00	4400.76
PROD02	APPLE PIE	OP 080497	0002	12.00	EA	525.09	3.00	.00	.00	.00	.00	528.09
	SUBTOTAL FOR PROD02			137.00		5994.79	34.25	.00	.00	.00	.00	6029.04
PROD03	KITTY LITTER	MC 012398	0001	774.56	LB	8.51	.00	.00	.00	.00	.00	8.51
PROD03	KITTY LITTER	MC 012398	0007	10.00	LB	.11	.00	.00	.00	.00	.00	.11
	SUBTOTAL FOR PROD03			784.56		8.62	.00	.00	.00	.00	.00	8.62
PROD04	WHITE PAINT	MC BATCH	0016	100.00	GL	1.68	.00	.00	.00	.00	.00	1.68
	SUBTOTAL FOR PROD04			100.00		1.68	.00	.00	.00	.00	.00	1.68
PROD08	SOIL MIXTURE	MC 012398	0005	77.46	LB	.85	.00	.00	.00	.00	.00	.85
	SUBTOTAL FOR PROD08			77.46		.85	.00	.00	.00	.00	.00	.85
	WAREHOUSE TOTAL: IS1 ISWL			2032.87	LB	6007.26	46.50	.00	.00	.00	.00	6053.76
	GRAND TOTAL :			2032.87	LB	6007.26	46.50	.00	.00	.00	.00	6053.76

***** END OF REPORT *****

INV502R INT502R
2/10/02 8:31:32

C O S T E D P R O D U C T I O N R E P O R T

WMM

 Company IS2
 Warehouse ISW2
 Beginning Product
 Beginning Size Code
 Ending Product
 Ending Size Code
 Beginning Date 00/00/0000
 Ending Date 00/00/0000
 Cost Type C Current Cost
 Material Cost Code Type R C
 Batch Status
 Product Fill Option 1 Product
 Beginning Batch Number 0000
 Ending Batch Number 0000
 Report Type 2 Summary

INV502R INT502R
2/10/02 8:31:32

C O S T E D P R O D U C T I O N R E P O R T

PAGE
WMM

PRODUCT	SIZE	DESCRIPTION	QUANTITY	UM	Raw Mtl	Container
TOTAL VALUE						
COMP IS2 WHSE ISW2						
FORM07			.00		.00	.00
.00	.00	.00				.00
PROD01		CHERRY PIE	245.00	EA	1.32	12.25
.00	.00	.00			13.57	
PROD02		APPLE PIE	137.00	EA	5994.79	34.25
.00	.00	.00			6029.04	
PROD03		KITTY LITTER	784.56	LB	8.62	.00
.00	.00	.00			8.62	
PROD04		WHITE PAINT	100.00	GL	1.68	.00
.00	.00	.00			1.68	
PROD08		SOIL MIXTURE	77.46	LB	.85	.00
.00	.00	.00			.85	
.00	.00	WAREHOUSE TOTAL: IS1 ISW1	2032.87	LB	6007.26	46.50
		.00			6053.76	
.00	.00	GRAND TOTAL :	2032.87	LB	6007.26	46.50
		.00			6053.76	

***** END OF REPORT *****

Printing the Costed Usage Report

The Costed Usage report lists quantity used in batches, and the corresponding extended cost for each raw material/resource or product. You can print a detail or summary report. The detail report lists quantity and cost for each batch in which a product or raw material/resource is used. The summary report shows the total costed usage for each product or raw material/resource.

You can limit the selection by company, warehouse, product or raw material/resource range, date range, material type (raw materials only, containers only or all), batch status, product fill option and/or batch number range. You also specify to include up to five cost codes.

This report includes the following information:

- Company and warehouse
- Product or raw material/resource identifier and description
- Batch number (on detail report)
- Quantity used
- Up to five cost codes and costs
- Total value for the batch (on detail report)
- Total quantity and costs at the product, warehouse and report levels
- Total quantity at the warehouse and grand total levels printed in the report totals unit of measure you specified in the control files

Use the menu path below.

- ▶ *Manufacturing Control Reports*
 - ▼ *Print Costed Usage [PCU]*

15:54:41		Print Costed Usage	INV503	INV503F
Company	IS2	+		
Warehouse	ISW2	+		
Beginning Product Code	_____		+ Size . . .	___
Ending Product Code	_____		+ Size . . .	___
Date Range	_____	_____		
Cost Type	C	+		
Material Cost Type Code	B	A	C	_ _ +
Enter Material Type	1		1. Raw Material	
			2. Container/Packing Material	
Batch Status	1		1. Partial	
			2. Full	
			3. Final	
Product Fill Option	1		1. Products	
			2. Intermediates	
Beginning Batch Number	_____	_____	+	
Ending Batch Number	_____	_____	+	
Report Type	1		1. Detail	
			2. Summary	
F2=Function keys F3=Exit F4=Prompt F8=Print F24=More keys				

Figure 2-13: Print Costed Usage screen

Cost Type, *Material Cost Type Code* and *Report Type* are required fields. If you are authorized to one warehouse only, *Company* and *Warehouse* are display fields. Otherwise, they are optional entry fields.

Press [Enter] to validate your entries or press [F8] to print the Costed Usage report.

Sample detail and summary reports are shown on the next two pages.

COMP	WHSE	PRODUCT	SIZE DESCRIPTION	BATCH NUMBER	QUANTITY	UM	Raw Mtl	Burden	Dir Labor	Freight	Total	TOTAL VALUE
1	RFR	BAG	FRENCH BREAD BAG - 1 LB	0302940009	91.00	EA	91.00	.00	.00	.00	91.00	182.00
1	RFR	BAG	FRENCH BREAD BAG - 1 LB	0302940011	37.00	EA	37.00	.00	.00	.00	37.00	74.00
1	RFR	BAG	FRENCH BREAD BAG - 1 LB	0302940013	37.00	EA	37.00	.00	.00	.00	37.00	74.00
1	RFR	BAG	FRENCH BREAD BAG - 1 LB	0302940014	37.00	EA	37.00	.00	.00	.00	37.00	74.00
1	RFR	BAG	FRENCH BREAD BAG - 1 LB	0302940015	37.00	EA	37.00	.00	.00	.00	37.00	74.00
1	RFR	BAG	FRENCH BREAD BAG - 1 LB	0302940016	37.00	EA	37.00	.00	.00	.00	37.00	74.00
1	RFR	BAG	FRENCH BREAD BAG - 1 LB	0302940017	91.00	EA	91.00	.00	.00	.00	91.00	182.00
1	RFR	BAG	FRENCH BREAD BAG - 1 LB	0302940018	55.00	EA	55.00	.00	.00	.00	55.00	110.00
1	RFR	BAG	FRENCH BREAD BAG - 1 LB	0302940019	46.00	EA	46.00	.00	.00	.00	46.00	92.00
1	RFR	BAG	FRENCH BREAD BAG - 1 LB	0302940020	26.00	EA	26.00	.00	.00	.00	26.00	52.00
1	RFR	BAG	FRENCH BREAD BAG - 1 LB	0302940021	33.00	EA	33.00	.00	.00	.00	33.00	66.00
1	RFR	BAG	FRENCH BREAD BAG - 1 LB	0302940022	46.00	EA	46.00	.00	.00	.00	46.00	92.00
1	RFR	BAG	FRENCH BREAD BAG - 1 LB	0302940023	66.00	EA	66.00	.00	.00	.00	66.00	132.00
TOTAL FOR BAG					639.00		639.00	.00	.00	.00	639.00	1278.00
1	RFR	LOAFPAN	Loaf Pan	0302940040	2000.00	EA	.00	.00	.00	.00	200.00	200.00
1	RFR	LOAFPAN	Loaf Pan	0302940041	1000.00	EA	.00	.00	.00	.00	100.00	100.00
1	RFR	LOAFPAN	Loaf Pan	0302940042	3000.00	EA	.00	.00	.00	.00	300.00	300.00
1	RFR	LOAFPAN	Loaf Pan	0302940043	2000.00	EA	.00	.00	.00	.00	200.00	200.00
1	RFR	LOAFPAN	Loaf Pan	0302940044	1000.00	EA	.00	.00	.00	.00	100.00	100.00
TOTAL FOR LOAFPAN					9000.00		.00	.00	.00	.00	900.00	900.00
TOTAL FOR WAREHOUSE 1 RFR					.00	GL	639.00	.00	.00	.00	1539.00	2178.00
IS2	ISW2	A#165	Green pigment	1109930013	99.52	GL	57.61	.00	.00	.00	57.61	115.22
IS2	ISW2	A#165	Green pigment	PP 0014	164.01	GL	94.95	.00	.00	.00	94.95	189.90
IS2	ISW2	A#165	Green pigment	PPRPH0010002	100.00	GL	57.89	.00	.00	.00	57.89	115.78
IS2	ISW2	A#165	Green pigment	PPRPH0010003	98.91	GL	57.26	.00	.00	.00	57.26	114.52
IS2	ISW2	A#165	Green pigment	PPRPH0010004	98.91	GL	57.26	.00	.00	.00	57.26	114.52
TOTAL FOR A#165					561.35		324.97	.00	.00	.00	324.97	649.94
IS2	ISW2	ACETONE	Acetone description line 1	1109930013	199.05	LB	1592.40	.00	.00	.00	1592.40	3184.80
IS2	ISW2	ACETONE	Acetone description line 1	PP 0014	256.00	LB	2048.00	.00	.00	.00	2048.00	4096.00
IS2	ISW2	ACETONE	Acetone description line 1	PPRPH0010002	200.00	LB	1600.00	.00	.00	.00	1600.00	3200.00
IS2	ISW2	ACETONE	Acetone description line 1	PPRPH0010003	199.05	LB	1592.40	.00	.00	.00	1592.40	3184.80
IS2	ISW2	ACETONE	Acetone description line 1	PPRPH0010004	199.05	LB	1592.40	.00	.00	.00	1592.40	3184.80
TOTAL FOR ACETONE					1053.15		8425.20	.00	.00	.00	8425.20	16850.40
IS2	ISW2	MIXER	Machine to mix ingredients	PPRPH0010002	.00	HR	.00	.00	.00	.00	.00	.00
IS2	ISW2	MIXER	Machine to mix ingredients	PPRPH0010003	.00	HR	.00	.00	.00	.00	.00	.00
IS2	ISW2	MIXER	Machine to mix ingredients	PPRPH0010004	.00	HR	.00	.00	.00	.00	.00	.00
TOTAL FOR MIXER					.00		.00	.00	.00	.00	.00	.00
IS2	ISW2	POTATOS	EA POTATOS	PP 0014	.00	LB	.00	.00	.00	.00	.00	.00
TOTAL FOR POTATOS					.00		.00	.00	.00	.00	.00	.00
IS2	ISW2	RFRFRD1	LB RFRFRD1 for testing	EA 1109930003	524.97	LB	2561.85	78.75	115.49	.00	2756.09	5512.18

INV503R INI503R
2/10/02 14:56:20

COSTED USAGE REPORT

PAGE 2
AM2000

COMP	WHSE	PRODUCT	SIZE DESCRIPTION	BATCH NUMBER	QUANTITY	UM	Raw Mtl	Burden	Dir Labor	Freight	Total	TOTAL VALUE
IS2	ISW2	RFRFRD1	LB RFRFRD1 for testing	1109930004	524.97	LB	2561.85	78.75	115.49	.00	2756.09	5512.18
IS2	ISW2	RFRFRD1	LB RFRFRD1 for testing	1109930005	524.97	LB	2561.85	78.75	115.49	.00	2756.09	5512.18
IS2	ISW2	RFRFRD1	LB RFRFRD1 for testing	1109930006	66.84	LB	326.18	10.03	14.70	.00	350.91	701.82
IS2	ISW2	RFRFRD1	LB RFRFRD1 for testing	1109930007	66.72	LB	325.59	10.01	14.68	.00	350.28	700.56
			TOTAL FOR RFRFRD1	LB	1708.47		8337.32	256.29	375.85	.00	8969.46	17938.92
IS2	ISW2	RFRFRD2	GL RFRFRD2 for testing	1109930003	299.98	GL	3263.78	15.00	52.80	.00	3331.58	6663.16
IS2	ISW2	RFRFRD2	GL RFRFRD2 for testing	1109930004	299.98	GL	3263.78	15.00	52.80	.00	3331.58	6663.16
IS2	ISW2	RFRFRD2	GL RFRFRD2 for testing	1109930005	299.98	GL	3263.78	15.00	52.80	.00	3331.58	6663.16
IS2	ISW2	RFRFRD2	GL RFRFRD2 for testing	1109930006	38.16	GL	415.18	1.91	6.72	.00	423.80	847.61
IS2	ISW2	RFRFRD2	GL RFRFRD2 for testing	1109930007	38.16	GL	415.18	1.91	6.72	.00	423.80	847.61
			TOTAL FOR RFRFRD2	GL	976.26		10621.70	48.82	171.84	.00	10842.34	21684.70
IS2	ISW2	RFRRAW1	RFRRAW1 Raw material	1109930003	99.99	LB	143.99	.00	.00	.00	143.99	287.98
IS2	ISW2	RFRRAW1	RFRRAW1 Raw material	1109930004	99.99	LB	143.99	.00	.00	.00	143.99	287.98
IS2	ISW2	RFRRAW1	RFRRAW1 Raw material	1109930005	99.99	LB	143.99	.00	.00	.00	143.99	287.98
IS2	ISW2	RFRRAW1	RFRRAW1 Raw material	1109930006	12.72	LB	18.32	.00	.00	.00	18.32	36.64
IS2	ISW2	RFRRAW1	RFRRAW1 Raw material	1109930007	12.72	LB	18.32	.00	.00	.00	18.32	36.64
			TOTAL FOR RFRRAW1		325.41		468.61	.00	.00	.00	468.61	937.22
IS2	ISW2	RFRRAW2	RFRRAW2 for testing	1109930003	1499.91	GL	2654.84	.00	.00	.00	2654.84	5309.68
IS2	ISW2	RFRRAW2	RFRRAW2 for testing	1109930004	1499.91	GL	2654.84	.00	.00	.00	2654.84	5309.68
IS2	ISW2	RFRRAW2	RFRRAW2 for testing	1109930005	1499.91	GL	2654.84	.00	.00	.00	2654.84	5309.68
IS2	ISW2	RFRRAW2	RFRRAW2 for testing	1109930006	190.77	GL	337.66	.00	.00	.00	337.66	675.32
IS2	ISW2	RFRRAW2	RFRRAW2 for testing	1109930007	190.78	GL	337.68	.00	.00	.00	337.68	675.36
			TOTAL FOR RFRRAW2		4881.28		8639.86	.00	.00	.00	8639.86	17279.72
IS2	ISW2	RFRRAW3	RFRRAW3 for testing	1109930003	499.97	QT	1039.94	.00	.00	.00	1039.94	2079.88
IS2	ISW2	RFRRAW3	RFRRAW3 for testing	1109930004	499.97	QT	1039.94	.00	.00	.00	1039.94	2079.88
IS2	ISW2	RFRRAW3	RFRRAW3 for testing	1109930005	499.97	QT	1039.94	.00	.00	.00	1039.94	2079.88
IS2	ISW2	RFRRAW3	RFRRAW3 for testing	1109930006	63.59	QT	132.27	.00	.00	.00	132.27	264.54
IS2	ISW2	RFRRAW3	RFRRAW3 for testing	1109930007	63.59	QT	132.27	.00	.00	.00	132.27	264.54
			TOTAL FOR RFRRAW3		1627.09		3384.36	.00	.00	.00	3384.36	6768.72
IS2	ISW2	SLHRAW1	test material #1 in GL	PP 0012	50.00	GL	50.00	.00	.00	.00	50.00	100.00
IS2	ISW2	SLHRAW1	test material #1 in GL	PP 0015	50.00	GL	50.00	.00	.00	.00	50.00	100.00
IS2	ISW2	SLHRAW1	test material #1 in GL	PP 0017	50.00	GL	50.00	.00	.00	.00	50.00	100.00
			TOTAL FOR SLHRAW1		150.00		150.00	.00	.00	.00	150.00	300.00
IS2	ISW2	SLHRAW3	test material #3 in GL	PP 0012	50.00	GL	51.50	.00	.00	.00	51.50	103.00
IS2	ISW2	SLHRAW3	test material #3 in GL	PP 0015	50.00	GL	51.50	.00	.00	.00	51.50	103.00
IS2	ISW2	SLHRAW3	test material #3 in GL	PP 0017	50.00	GL	51.50	.00	.00	.00	51.50	103.00
			TOTAL FOR SLHRAW3		150.00		154.50	.00	.00	.00	154.50	309.00
			TOTAL FOR WAREHOUSE	IS2 ISW2	7520.80	GL	40506.52	305.11	547.69	.00	41359.30	82718.62
			GRAND TOTAL		7520.80	GL	41145.52	305.11	547.69	.00	42898.30	84896.62

***** END OF REPORT *****

Part 3

Printing Infinium Advanced Planning Reports

3

The part consists of the following topics:

Topic	Page
Printing the Master Production Schedule	3-2
Printing the MPS Exception Reports	3-4
Printing the Material Requirements Selection Report	3-6
Printing the Material Requirements Exception Report	3-9
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Printing the Master Production Schedule

Use this option to print the Master Production Schedule.

Use the menu path below.

- ▶ *Master Production Scheduling*
 - ▼ *MPS Generation Selection [MPSGS]*

```
10:50:45      MPS Generation Selection      MPGGSM      MPDGSM
-----
Position to . . . Company IS1 + Warehouse(s) ISW1 + Plan ID _____

Type option, press Enter.
  2=Change  3=Copy  4=Delete  6=Print Selection Criteria

Opt Co  Whse  Plan ID  Description                Generation Authorized
      2  IS1  ISW1    107 PLAN DESCRIPTION 107      Y          Y
      -  IS1  ISW1    108 PLAN DESCRIPTION 108      Y          N
      -  IS1  ISW1    111 PLAN DESCRIPTION 111      Y          N
      -  IS2  ISW2    109 PLAN DESCRIPTION 112      Y
      -  IS2  ISW4    110 PLAN DESCRIPTION 110      Y

                                                    Bottom

-----
F2=Function keys  F3=Exit  F4=Prompt  F6=Create  F24=More keys
█
```

Figure 3-1: MPS Generation selection screen

Complete the screen as described in the “Working with the Master Production Scheduling” part of the *Infinium MP Guide to Setup and Processing*.

Company IS1 Warehouse ISW1
 Product ISMFGP1 GL MFG PRODUCT #1
 Plan Identifier 2 PLAN FOR IS'S WAREHOUSE 1 Plan Date 11/02/2002 Planner
 Product Family
 Starting Inventory 20.0000 Inventory Unit of Measure GL Buyer
 Safety Stock Lead Time 9.00 Lot Size 500.0000 Lot Size Technique Lot-for-lot
 Order Multiple Quantity 250.0000 Minimum Quantity 200.0000
 Time Fence 1 Description DO NOT MAKE CHANGES Period Cutoff 3 Consumption Rule 2 Customer Orders
 Time Fence 2 Description KEEP CHANGES TO A MINIMUM Period Cutoff 6 Consumption Rule 3 Greater of Cust Ord/Forecast
 Time Fence 3 Description ANYTHING GOES Consumption Rule 1 Forecast
 Action Message Period Cutoff 10 Pegging Cutoff Days 90

	PAST DUE	10/02/2002	10/03/2002	10/04/2002	10/05/2002	10/06/2002	10/09/2002	10/16/2002	10/23/2002	10/30/2002	12/13/2002
		1	2	3	4	5	6	7	8	9	10
Forecast		50.0000	25.0000	75.0000	100.0000	150.0000	150.0000	100.0000	150.0000	275.0000	20.0000
Orders		100.0000	50.0000			3.0000	44.0000	58.0000	45.0000	23.0000	
Receipts	54.0000	100.0000	54.0000	108.0000	54.0000	54.0000	65.0000				
Usage											
Firm Pld Orders			54.0000	54.0000					165.0000		
Available	74.0000	74.0000	132.0000	294.0000	194.0000	98.0000			15.0000		
Plan ATP		74.0000	58.0000	162.0000		51.0000	8.0000	42.0000	120.0000	237.0000	20.0000
Suggested MPS							52.0000	46.0000		197.0000	20.0000

ACTION MESSAGES

Message Id	Description	Quantity	UM	Start Date	Due Date
MPS0002	Reschedule Out	54.0000	GL	10/06/2002	10/09/2002
MPS0005	Inadequate Lead Time	52.0000	GL	9/26/2002	10/09/2002
MPS0005	Inadequate Lead Time	46.0000	GL	10/03/2002	10/16/2002
MPS0006	Past Due Receipts	54.0000	GL		

RECEIPTS

VENDOR NUMBER	DUE DATE	ORDER NUMBER	QUANTITY DUE	DETAIL WAREHOUSE	REQUIRED DATE	REQUIRED QUANTITY	CUSTOMER NUMBER	ORDER NUMBER	DETAIL WAREHOUSE
	9/26/2002	PPSEPT970001	54.0000	ISW1	10/02/2002	100.0000	1	00000037	S2KW1
	10/02/2002	PPOCT97 0018	100.0000	ISW1	10/02/2002	50.0000		FTYP1	S2KW1
	10/03/2002	PPOCT97 0012	54.0000	ISW1	10/03/2002	50.0000	1	00000038	S2KW1
					10/03/2002	25.0000		FTYP1	S2KW1
	10/04/2002	PPOCT97 0001	54.0000	ISW1					
	10/04/2002	PPOCT97 0002	54.0000	ISW1	10/04/2002	75.0000		FTYP1	S2KW1

***** E N D O F R E P O R T *****

Printing the MPS Exception Reports

Use this option to create an exception report on a MPS that you generated using the *MPS Generation Selection* option.

Use the menu path below.

- ▶ *Master Production Scheduling*
 - ▼ *MPS Exception Reporting* [MPSER]

Opt	Co	Whse	Plan ID	Description	Authorized MPS
1	IS1	ISW1	107	PLAN DESCRIPTION 107	Y
-	IS1	ISW1	108	PLAN DESCRIPTION 108	N
-	IS1	ISW1	111	PLAN DESCRIPTION 111	N
-	IS2	ISW2	109	PLAN DESCRIPTION 112	
-	IS2	ISW4	110	PLAN DESCRIPTION 110	

Figure 3-2: MPS Exception Reporting selection screen

Only generated Plan IDs are displayed on this screen.

Type any character in the *Opt* field to select one or more Plan IDs to include on the report. After selecting the plans, press [Enter] to continue to the next screen.

10:57:27	MPS Exception Reporting	MPGMSE	MPDMSE
<hr/>			
Company	:	IS1	
Warehouse	:	ISW1	
Plan Identifier	:	00000107	
Plan Description	:	PLAN DESCRIPTION 107	
Beginning Product	:	_____	+ ____
Ending Product	:	_____	+ ____
Planner	:	_____	+ ____
Product Family	:	_____	+ ____
Buyer	:	_____	+ ____
Number of Buckets	:	<u>12</u>	
Summary Only	:	Y	(Y=Yes, N=No)
Print Action Messages on the Plan	:	Y	(Y=Yes, N=No)
Only Select Product with			
Suggested MPS	:	N	(Y=Yes, N=No)
Past Due Demand/Receipts	:	N	(Y=Yes, N=No)
Available Greater Than Minimum	:	N	(Y=Yes, N=No)
Available Greater Than Maximum	:	N	(Y=Yes, N=No)
Available Less Than Minimum	:	N	(Y=Yes, N=No)
<hr/>			
F2=Function keys F3=Exit F4=Prompt F8=Print F24=More keys			

Figure 3-3: MPS Exception Reporting screen

Type the criteria you want to use in generating this report in the fields above.

Select one or more options under the *Only Select Product with* caption.

Press [F11] to change the display from product selection to formula selection.

The MPS Exception report and the Master Production Schedule report refer to the same listing. Refer to the Master Production Schedule printout.

Printing the Material Requirements Selection Report

Use this option to generate the Material Requirements Selection report, the Production Budgeting report and the Zero Cost Exception report.

Use the menu path below.

- ▶ *Material Requirements Planning*
 - ▼ *MRP Generation Selection [MRPGS]*

```
10:54:31      MRP Generation Selection      MPPGSM      MPDPSM
-----
Position to . . . Company  IS1 + Warehouse ISW1 + Plan ID  _____
Type option, press Enter.
1=Select 4=Delete

Opt  Company  Warehouse  Plan ID  Description  Authorized
1    IS1      ISW1      107     PLAN DESCRIPTION 107  Y
-    IS1      ISW1      108     PLAN DESCRIPTION 108  N
-    IS1      ISW1      111     PLAN DESCRIPTION 111  N
-    IS2      ISW2      109     PLAN DESCRIPTION 112
-    IS2      ISW4      110     PLAN DESCRIPTION 110

Bottom

-----
F2=Function keys  F3=Exit  F4=Prompt  F8=Generate  F24=More keys
```

Figure 3-4: MRP Generation selection screen

To generate an MRP, type **1** in the *Opt* field next to the plan you want to process and press [F8].

10:55:13		MRP Generation Selection	MPGPSM	MPDPSM
Company		IS1		
Warehouse(s)		ISW1		
Plan ID		107		
Summary Only	N	(Y=Yes, N=No)		
Number of Buckets	12			
Planning Horizons				
Present Cutoff Period	7			
Future Cutoff Period	12			
Reset Low Level Numbers	N	(Y=Yes, N=No)		
Print the Material Requirement Plan	Y	(Y=Yes, N=No)		
Print Action Messages on the Plan .	Y	(Y=Yes, N=No)		
Automatically Create Reqs/Batches .	N	(Y=Yes, N=No)		
Batch Status	1	(0=Firm Planned, 1=Scheduled 2=Work in Process)		
F2=Function keys F3=Exit F8=Generate F10=QuikAccess F24=More keys				

Figure 3-5: MRP Generation Selection report screen

Complete fields as described in the “Working with Material Requirements Planning” part of the *Infinium MP Guide to Setup and Processing*.

The system generates the report after you press [F8].

An example of the Material Requirements Selection report follows.

MPGMRR MPTMRR MATERIAL REQUIREMENTS PLAN SELECTION PAGE 1
 11/21/02 15:55:37 PJT

Company	IS1	Warehouse	ISW1	PROCESS RAW MATERIAL-water		Plan Date	11/03/2002				
Product	RAW11			PLAN FOR IS'S WAREHOUSE 1							
Plan Identifier			2								
Planner											
Starting Inventory		542.0168		Inventory Unit of Measure	GL						
Safety Stock				Lead Time	4.00	Lot Size	1000.0000	Lot Size Technique	1	Lot-for-lot	
Order Multiple Quantity	100.0000			Minimum Quantity	500.0000	Maximum Quantity					
Action Message Cutoff Period	10			Pegging Cutoff Days	90						
Planning Horizons:				Present Cutoff Period		Future Cutoff Period					
	PAST DUE	10/02/2002	10/03/2002	10/04/2002	10/05/2002	10/06/2002	10/09/2002	10/16/2002	10/23/2002	10/30/2002	12/13/2002
		1	2	3	4	5	6	7	8	9	10
Independent Demand	35.5557	101.3997	142.2228	58.0865	35.5557		91.7487				
Dependent Demand					37.0224	37.0224					
Receipts											
Projected Available	470.9054	369.5057	222.4133	127.3044	91.7487	91.7487					
Projected Onhand	506.4611	405.0614	225.8162	130.7073	97.1516	97.1516	3.4029	3.4029	3.4029	3.4029	3.4029
Planned Order Receipt							32.1528				
Planned Order Release			32.1528								

ACTION MESSAGES

Message Id	Description	Quantity	UM	Start Date	Due Date
------------	-------------	----------	----	------------	----------

RECEIPTS

VENDOR NUMBER	DUE DATE	ORDER NUMBER	QUANTITY DUE	DETAIL WAREHOUSE	REQUIRED DATE	<u>REQUIREMENTS</u> REQUIRED QUANTITY	CUSTOMER NUMBER	ORDER NUMBER	DETAIL WAREHOUSE
					9/25/2002	35.5557	PPSEPT970001		S2KW1
					10/02/2002	35.5557	PPOCT97 0008		S2KW1
					10/02/2002	65.8440	PPOCT97 0018		S2KW1
					10/03/2002	35.5557	PPOCT97 0009		S2KW1
					10/03/2002	35.5557	PPOCT97 0001		S2KW1
					10/03/2002	35.5557	PPOCT97 0002		S2KW1
					10/03/2002	35.5557	PPOCT97 0012		S2KW1
					10/03/2002	296.1792	Planned		S2KW1
					10/04/2002	51.8607	MX1004970001		S2KW1
					10/04/2002	296.1792	Planned		S2KW1
					10/05/2002	35.5557	PPOCT97 0003		S2KW1
					10/10/2002	35.5557	PPOCT97 0004		S2KW1
					10/11/2002	35.5557	PPOCT97 0013		S2KW1
					10/13/2002	171.9088	MX1004970011		S2KW1

***** E N D O F R E P O R T *****

Printing the Material Requirements Exception Report

Use this option to create an exception report on a MRP you generated using the *MRP Generation Selection* option.

Use the menu path below.

- ▶ *Material Requirements Planning*
 - ▼ *MRP Exception Reporting* [MRPER]

```
10:58:50      MRP Exception Reporting      MPGMRED      MPDMRED
-----
Position to . . . Company  __IS1 + Warehouse  ____ + Plan ID  _____
Type option, press Enter.
  1=Select
Opt Company Warehouse Plan ID  Description              Authorized
  1   IS1   ISW1         107  PLAN DESCRIPTION 107              MPS
                                                                Y
                                                                Bottom
-----
F2=Function keys  F3=Exit  F4=Prompt  F10=QuickAccess  F18=Message line
```

Figure 3-6: MRP Exception Reporting selection screen

Only generated Plan IDs are displayed on this screen. Type any character in the *Opt* field to select one or more Plan IDs to include on the report.

Select one or more options under the *Only Select Product with* caption.

Press [F11] to change the display from product selection to formula selection.

```

11:00:30      MRP Exception Reporting      MPGMRED      MPDMRED
-----
Company . . . . . : IS1
Warehouse . . . . . : ISW1
Plan Identifier . . . . . : 000000107
Plan Description . . . . . : PLAN DESCRIPTION 107
Beginning Product . . . . . : _____ + ___
Ending Product . . . . . : _____ + ___
Planner . . . . . : _____ +
Product Family . . . . . : _____ +
Buyer . . . . . : _____ +
Number of Buckets . . . . . : 12
Summary Only . . . . . : Y (Y=Yes, N=No)
Print Action Messages on the Plan . . . . . : Y (Y=Yes, N=No)

Only Select Product with
Planned Order Receipts . . . . . N (Y=Yes, N=No)
Past Due Demand/Receipts . . . . . N (Y=Yes, N=No)
Available Greater Than Minimum . . . . . N (Y=Yes, N=No)
Available Greater Than Maximum . . . . . N (Y=Yes, N=No)
Available Less Than Minimum . . . . . N (Y=Yes, N=No)
-----
F2=Function keys F3=Exit F4=Prompt F8=Print F24=More keys

```

Figure 3-7: MRP Exception Reporting screen

Type the criteria you want to use in generating this report in the fields above.

The system generates the report after you press [F8].

Select one or more options under the *Only Select Product with* caption.

The MRP Exception report and the Material Requirements Plan Selection report refer to the same listing.

Printing the Product Requirements Report

The Product Requirements report identifies the periodic supply and demand of raw materials and/or products.

The factors affecting supply include purchasing and manufacturing orders. Those affecting demand include customer and manufacturing orders. For each raw material/resource and product you select, the report provides required quantities for the periods you specify for each type of supply and demand, a net total for each period and a net total for all periods.

Use the menu path below.

- ▶ *Advanced Planning Report/Display*
 - ▼ *Product Requirement Report [PRR]*

```
11:01:43      Product Requirement Report      MPGPRRD      MPDPRRD
-----
Company . . . . .      IS1  +
Warehouse . . . . .    ISW1  +
From Product . . . . .      _____  +
To Product . . . . .      _____  +

Critical Shortage Report . . . . .  -  (Y=Yes, N=No)
Products, Raw Materials or Both . . . . .  -  (1=Products, 2=Raw Materials, 3=Both)
Report Type . . . . .      -  (1=Summary, 2=Detail)
Period Ending Dates . . . . .      _____
                                     _____
                                     _____
                                     _____
                                     _____
                                     _____
                                     _____
                                     _____
                                     _____
                                     _____
                                     _____
-----
F2=Function keys  F3=Exit  F4=Prompt  F8=Print  F24=More keys
```

Figure 3-8: Product Requirement Report prompt screen

The system requires entries in Critical Shortage Report and Products, Raw Materials or Both and Report Type fields.

Leave the Company and Warehouse fields blank to produce a report for all companies and warehouses. Complete Company and leave Warehouse blank for

a report of all warehouses for the company you specify. You must complete at least one Period Ending Dates field.

To print a report of all raw materials and/or products, leave the From Product and To Product fields blank. To produce a report for a single item, enter the same identifier in both fields.

If you are using the Size code as part of your product ID, the report will include all sizes of any products you select.

Type **Y** in the Critical Shortage Report field to produce a report that lists only items with negative totals in one of the specified periods.

After making your entries, press [F8] to run the report.

This report uses the MPS/MRP Column in Control Files, Work with Inventory Type File option in Infinium IC.

A sample report is on the next page.

MPGPRR MPTPRR
11/07/02 9:27:24

P R O D U C T R E Q U I R E M E N T S R E P O R T

PAGE 1
PJT

Company: IS Warehouse: ISW1
Product RAW10 LABOR Min: Max: Onhand Inventory: HR Other Inventory: HR

10/30/02	11/30/02	0/00/00	0/00/00	0/00/00	0/00/00	0/00/00	0/00/00	0/00/00	Total:
WORK IN PROCESS (BATCH USAGE)									8.0368
SCHEDULED USAGE (BATCH USAGE)									18.2738
FIRM PLAN ORDER (BATCH USAGE)									12.0435
* Projected Inventory Total	38.3541-	38.3541-							38.3541-

***** E N D O F R E P O R T *****

Printing the Resource Load Summarization Report

The *Resource Load Summarization* option provides, in either display or report format, information about selected resources from either scheduled or in process batches in Infinium MC.

Information provided includes:

- Planned usage date
- Resource
- Resource description
- Scheduled quantity
- Daily capacity
- Percent utilization

You also have the option of writing the information to a work file which you can transfer to a personal computer for further processing.

Use the menu path below.

- ▶ *Advanced Planning Report/Display*
 - ▼ *Resource Load Summarization [RLS]*

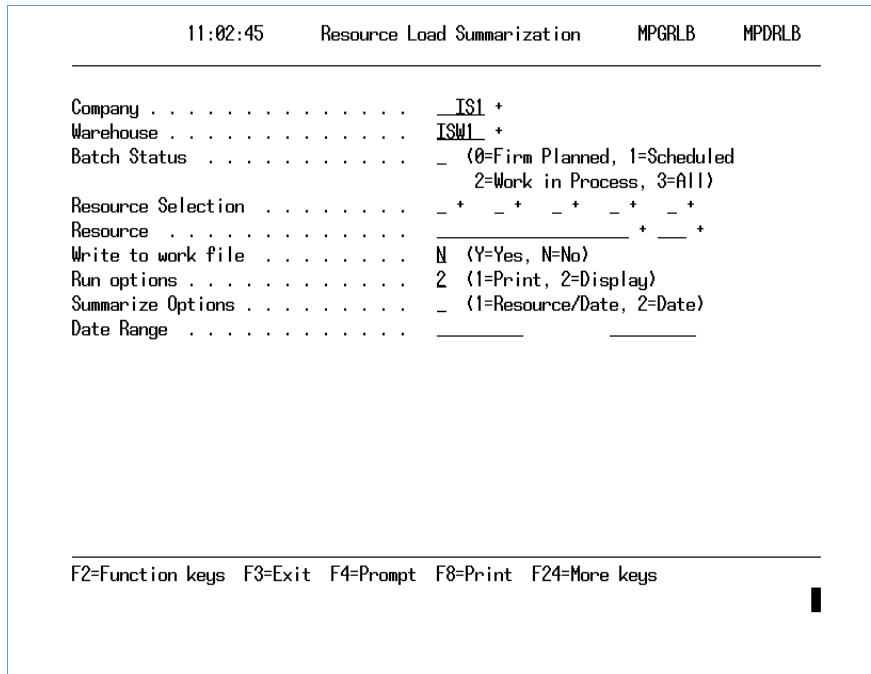


Figure 3-9: Resource Load Summarization screen

The system requires entries in the Batch Status, Write to work file, Run options, and Summarize Options fields.

Leave the Resource Selection and Resource fields blank to include all resources on the display or report.

You can display the information provided by this option or you can print the Resource Load Summarization report.

Run Options

Type **2** to display the information, beginning with the screen on the next page.

To print the report, type **1** and press [F8]. A sample report is on the next page.

R E S O U R C E L O A D R E P O R T

11/06/02 13:58:22

PJT

Planned Usage Date	Resource	Size Description	Scheduled Quantity	UM	Daily Capacity	Percent Utilization
9/25/02	RAW10	LABOR	.8265	HR		
9/26/02	RAW10	LABOR	.8265	HR		
10/02/02	RAW10	LABOR	7.2406	HR		
10/04/02	RAW10	LABOR	4.0184	HR		
10/09/02	RAW10	LABOR	4.0184	HR		
10/11/02	RAW10	LABOR	4.0184	HR		
10/13/02	RAW10	LABOR	4.0184	HR		
10/13/02	RAW10	LABOR	.9988	HR		
10/26/02	RAW10	LABOR	1.9976	HR		

•

Printing the Rough Cut Capacity Report

This report provides information from the Master Production Schedule about capacity needs for key materials and resources. You can limit the selection of resources to specified resource types. You can also base the selection of resources on the standard formula for a product or you can use the rough cut formula specified in the formula record to limit the resources selected.

This report includes the following information:

- Period, including start and end dates
- Resource capacity, as defined in the Item Warehouse file
- Planned usage
- Prior committed quantity
- Percent usage with a threshold flag
- Cumulative percent usage with a threshold flag

Use the menu path below.

- ▶ *Advanced Planning Report/Display*
 - ▼ *Rough Cut Capacity Report [RCCR]*

11:03:23	Rough Cut Capacity Report	MPGRCB	MPDRCB
----------	---------------------------	--------	--------

Company	IS1 *
Warehouse	ISWL *
Plan ID	_____ *
Using Formula	Y (Y=Yes, N=No)
Using RCCP Formula	N (Y=Yes, N=No)
Type of Resource	- * - * - * - * - *
Critical Resources Only	N (Y=Yes, N=No)
Number of Periods	_____ *
Alert Percentage of Usage	_____ (% usage to print as exception)
Alert Percent of Cumulative Usage	_____ (% usage to print as exception)
Write Output to Workfile	N (Y=Yes, N=No)

F2=Function keys F3=Exit F4=Prompt F8=Print F24=More keys

Figure 3-10: Rough Cut Capacity Report selection screen

The system requires entries in the Plan ID, Using Formula, Using RCCP Formula, Critical Resources Only, and Write Output to Workfile fields.

Using RCCP Formula

Type **Y** to use the rough cut formula rather than the standard formula for generating this report or display.

Use the *Work with Formula Description* option in Infinium PF to enter a formula ID for the Rough Cut Capacity Plan formula.

The system generates the report after you press [F8].

MPGRCC MPTRCC
 11/06/02 13:58:44

R O U G H C U T C A P A C I T Y P L A N N I N G

PAGE 1
 PJT

Company	IS1	Warehouse	ISW1	Plan ID	2 PLAN FOR IS'S WAREHOUSE 1				
Resource	RAW10			LABOR					
Daily Capacity		HR							
Period	From Date	To Date	Capacity	Planned Usage	Prior Committed	Percent Usage	Alert	Cumulative Percent	Alert
1	10/02/2002	10/02/2002			7.2406				
2	10/03/2002	10/03/2002			4.0184				
3	10/04/2002	10/04/2002			9.0471				
4	10/05/2002	10/05/2002							
5	10/06/2002	10/06/2002							
6	10/09/2002	10/13/2002		.1644	13.0540				
7	10/16/2002	10/20/2002							
8	10/23/2002	10/27/2002			4.9940				
9	10/30/2002	12/12/2002		14.0271					
10	12/13/2002	1/25/2002							

Printing Action Messages

Use this option to print action messages created when you generate the MPS and MRP. These messages prompt you to create new purchase or manufacturing orders or make changes to existing orders to bring receipts into phase with requirements.

Use the menu path below.

- ▶ *Advanced Planning Report/Display*
 - ▼ *Print Action Messages [PAM]*

```
11:03:56      Print Action Messages      MPGAMP      MPDAMP
-----
Plan ID . . . . . _____ +
Print sequence . . . . . _ (1=Product, 2=Action Message)
Action Message Type . . . . . 3 (1=MPS, 2=MRP, 3=Both)
Planner Code . . . . . _____ +
Product Family . . . . . _____ +

-----
F2=Function keys F3=Exit F4=Prompt F8=Print F24=More keys
```

Figure 3-11: Print Action Messages prompt screen

The system requires entries in the *Plan ID*, *Print sequence* and *Action Message Type* fields.

If you complete both the *Planner Code* and *Product Family* fields, both fields must match in the Item Warehouse file in order for a product to be in the report.

After completing this screen, press [F8] to print the report. Depending on your choice of a product report or an action message report, a corresponding

window displays asking for either a product range or an action message range. If you wish to include all action messages or all products, leave the fields blank and press [F8].

A sample of a report is on the next page.

MPGAMP MPTAMP
 11/06/02 17:03:35

Print Action Message

PAGE 1

 Plan ID : 2
 Company : IS
 Warehouse : ISW1
 Start Date : 10/02/2002

Type	Message Id	Description	Quantity	UM	Start Date	Due Date	Formula
Product . . . . .		. . . . . : S2KMFGP1	GL	MFG PRODUCT #1			
MPS	MPS0005	Inadequate Lead Time	52.0000	GL	9/26/2002	10/09/2002	ISFORM1
MPS	MPS0005	Inadequate Lead Time	46.0000	GL	10/03/2002	10/16/2002	ISFORM1
MPS	MPS0002	Reschedule Out	54.0000	GL	10/06/2002	10/09/2002	ISFORM1
MPS	MPS0006	Past Due Receipts	54.0000	GL			ISFORM1
Product . . . . .		. . . . . : S2KMFGP3	DR	MFG PRODUCT #3			
MPS	MPS0005	Inadequate Lead Time	14.4755	GL	9/25/2002	10/09/2002	ISFORM5
MPS	MPS0002	Reschedule Out	1247.1049	GL	10/05/2002	10/09/2002	ISFORM5
Product . . . . .		. . . . . : RAW12		PROCESS RAW MATERIAL			
MRP	MPS0004	Open Order	21.7216	LB			ISFORM5
MRP	MPS0004	Open Order	45.3030	LB	10/02/2002		ISFORM5
MRP	MPS0005	Inadequate Lead Time	21.7216	LB			ISFORM5
MRP	MPS0001	Reschedule In	15.0000	LB	10/03/2002	10/02/2002	ISFORM5
MRP	MPS0001	Reschedule In	5.0000	LB	10/05/2002	10/04/2002	ISFORM5
Product . . . . .		. . . . . : RAW17		PROCESS RAW MATERIAL			
MRP	MPS0004	Open Order	7802.1964	GL			ISFORM5
MRP	MPS0005	Inadequate Lead Time	7802.1964	GL			ISFORM5
Product . . . . .		. . . . . : S2KMFGP4	5G	MFG PRODUCT #4			
MRP	MPS0004	Open Order	1.1250	GL			ISFORM5
MRP	MPS0004	Open Order	.1250	GL	10/02/2002		ISFORM5
MRP	MPS0005	Inadequate Lead Time	1.1250	GL			ISFORM5

Printing Infinium Advanced Planning Forecast Reports

Use the *Import Forecast* option to import forecasts from the Common Services Transfer file or the Advanced Planning Transfer file.

This option requires exclusive access to the data files. Make sure no other import related options are being run prior to executing this option.

Use the menu path below.

- ▶ *Forecast Import*
 - ▼ *Import Forecast [IF]*

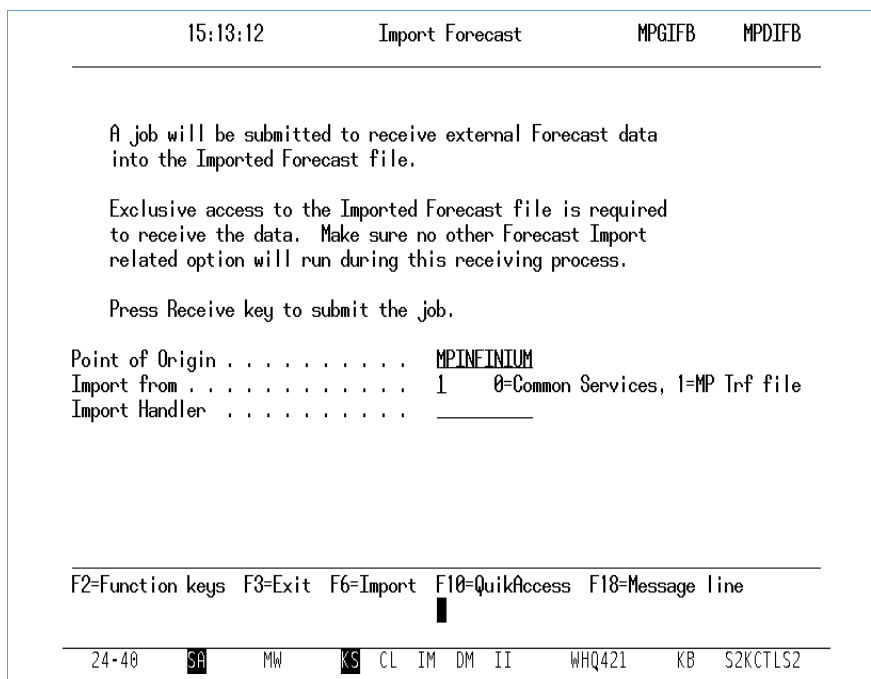


Figure 3-12: Import Forecast screen

To generate the import, press [F6].

MPGISS		MPTIFL		I M P O R T E D F O R E C A S T L I S T I N G									PAGE	1
6/11/02		17:26:22												PG
CO	WHSE	PRODUCT	SIZE	FCST TYPE	FORECAST DESCRIPTION	FORECAST DATE	QUANTITY	UM	STATUS	ORIGIN	USER ID	TRANS ID	TRANSACTION DATE	
IS2	ISW2	ITEM21	EA	FUTUR		00970601	17000.0000	KG	NEW	ANALYST	01 PG	024786	06-11-2002	
						00970701	19000.0000	KG						
						00970801	19000.0000	KG						
						00970901	22000.0000	KG						
						00971001	16000.0000	KG						
IS2	ISW2	ITEM22	EA	PROMO		00970601	700.0000	KG						
						00970701	650.0000	KG						
						00970801	600.0000	KG						
						00970901	550.0000	KG						
IS4	ISW4	ITEM41	EA	FUTUR		00970601	17000.0000	KG						
						00970701	19000.0000	KG						
						00970801	19000.0000	KG						
						00970901	22000.0000	KG						
						00971001	16000.0000	KG						
IS4	ISW4	ITEM42	EA	PROMO		00970601	700.0000	KG						
						00970701	650.0000	KG						
						00970801	600.0000	KG						
						00970901	550.0000	KG						
						00971001	500.0000	KG						
IS5	ISW5	ITEM51	EA	FUTUR		00970601	17000.0000	KG						
						00970701	19000.0000	KG						
						00970801	19000.0000	KG						
						00970901	22000.0000	KG						
						00971001	16000.0000	KG						

***** RECORDS SELECTED . : 00018
 ***** RECORDS IMPORTED . : 00024

***** END OF REPORT *****

This is the Import Forecast using the Infinium Advanced Planning Transfer file – Imported Forecasts Listing. This listing displays all successfully imported forecast records. Remember the *Origin* and *Transaction id* field values. In order to subset using the transaction id in the *Work with Imported Forecast* option, you must obtain that information from this report.

CO	WHSE	PRODUCT	SIZE	FCST TYPE	FORECAST DESCRIPTION	FORECAST DATE	QUANTITY	UM	STATUS	ORIGIN	USER ID	TRANS ID	TRANSACTION DATE
INF	INF	PROD20	LB	*RR01		20020101	100.0000	LB	NEW	ANALYST 05	PG	025136	06-12-2002
						20020104	100.0000	LB					
						20020105	7000.0000	LB					
						20020106	5000.0000	LB					
						20020107	15000.0000	LB					
						20020110	250.0000	LB					
						20020114	200.0000	LB					
						20020121	10000.0000	LB					
						20020131	400.0000	LB					
						20020214	200.0000	LB					
						20020228	500.0000	LB					
INF	INF	PROD21	LB	FUTUR		20020731	5.0000	LB					
						20020801	10.0000	LB					
						20020802	7.0000	LB					
						20020803	12.0000	LB					
						20020807	15.0000	LB					
						20020814	25.0000	LB					
						20020821	20.0000	LB					
						20020828	22.0000	LB					
						20020901	50.0000	LB					
						20021001	50.0000	LB					
						20021101	75.0000	LB					
						20020315	200.0000	LB					
						20020331	250.0000	LB					
						20020401	600.0000	LB					
INF	INF	PROD20	LB	RETAL		20020413	500.0000	LB					
						20020801	200.0000	LB					
						20020802	100.0000	LB					
						20020803	250.0000	LB					
						20020804	300.0000	LB					
						20020805	100.0000	LB					
						20020815	1000.0000	LB					
						20020831	1500.0000	LB					
INF	INF	PROD23	LB	TFR		20021201	10.0000	LB					
						20021202	10.0000	LB					
						20021203	10.0000	LB					
						20021204	10.0000	LB					
						20021205	10.0000	LB					
						20021206	10.0000	LB					
INF	INF	PROD25	LB	*RR01		20020501	2000.0000	LB					
						20020502	1000.0000	LB					
INF	INF	BLSPRODUCT	N/A	SPEC		20021223	10.0000	LB					
						20021230		LB					
						20020106	10.0000	LB					
INF	INF	PRODUCT5	EA	FUTUR		20020115	1000.0000	EA					
INF	INF	PROD11		*PG03		20021101	50.0000	LB					
INF	INF	PROD11		*PG03		20021201	50.0000	LB	NEW	ANALYST 05	PG	025136	06-12-2002
INFINIUM				TFR		00000000							
						00000000							

***** RECORDS SELECTED . : 00050
***** RECORDS IMPORTED . : 00049

***** END OF REPORT *****

This is the Import Forecast using AM Common Services – Imported Forecast Listing report. This report displays all successfully imported forecast records.

```
MPGISS      MPTIFE                      I M P O R T   F O R E C A S T          PAGE      1
6/11/02    15:10:44                    EXCEPTIONS REPORT                      PG
```

```
IMPORTED FORECAST FILE, MPPIF, CANNOT BE ALLOCATED.
***** NO RECORDS SELECTED
***** END OF REPORT *****
```

This is the Import Forecast using the Infinium Advanced Planning Transfer file – Exceptions report. In this case, the system cannot allocate the Imported Forecast file and no further processing occurs. The system retains data in Infinium Advanced Planning Transfer file.

```
MPGISS      MPTIFE                      I M P O R T   F O R E C A S T          PAGE      1
6/11/02    15:21:10                    EXCEPTIONS REPORT                      PG
```

```
MP TRANSFER FILE, MPPTF, CANNOT BE ALLOCATED.
***** NO RECORDS SELECTED
***** END OF REPORT *****
```

This is the Import Forecast using the Infinium Advanced Planning Transfer file – Exceptions report. In this case, the system cannot allocate the Infinium Advanced Planning Transfer file. No further processing occurs and data remains in the Infinium Advanced Planning Transfer file.

MPGISS MPTIFE
6/11/02 17:26:22

I M P O R T F O R E C A S T
EXCEPTIONS REPORT

PAGE 1
PG

```
-----
TRANSACTION NUMBER:      1
ItemCode,Location,UD01,UD02,UD03,UD04,UD05,UD06,UD07,UD08
                          THERE MUST BE AT LEAST ONE QUANTITY FIELD.  MINIMUM NUMBER OF FIELDS EXPECTED:  12
; AVAILABLE:            9
                          ALL THE ASSOCIATED DATA RECORDS ARE REJECTED:
ITEM11,11,GL,RETAL,      1,,,,,GL,16000,15500,15600,15550,15410,15264,18625,15772,11989,21982,15813,15059
ITEM12,11,EA,RETAL,      1,,,,,EACH,17217,19275,39433,22884,16410,18264,28625,22772,24989,21982,21813,21059
ITEM13,11,LB,RETAL,      1,,,,,LB,1000,1000,1100,900,970,970,970,900,970,900,900
-----
TRANSACTION NUMBER:      2
ITEM22,WHSE2,EA,PROMO,COMP2,,,,,KG,700,650,600,550,5?0
                          CANNOT DETERMINE QUANTITY.          QUANTITY IN ERROR:  5?0                      FOR PERIOD:  5
-----
TRANSACTION NUMBER:      3
IT,EM31,WHSE3,EA,FUTUR,COMP3,,,,,KG,17000,19000,19000,22000,16000
                          FIELDS MISMATCH.          TOTAL FIELD NAMES:  016          TOTAL DATA FIELDS:  017
-----
***** RECORDS PROCESSED . : 00018
***** TOTAL TRANSACTIONS : 00005
***** TOTAL DATA RECORDS : 00009
***** END OF REPORT *****
```

This is the Import Forecast using the Infinium Advanced Planning Transfer file – Exceptions report. In this example, the files have been successfully allocated and the transfer is complete. The system clears the Infinium Advanced Planning Transfer file of all data.

MPGICS MPTIFE IMPORT FORECAST VIA COMMON SERVICES PAGE 1

6/12/02 12:07:20

EXCEPTIONS REPORT

PG

IMPORTED FORECAST FILE, MPPIF, CANNOT BE ALLOCATED.
***** NO RECORDS SELECTED

***** END OF REPORT *****

This is the Import Forecast using AM Common Services – Exceptions report. In this example, the system cannot allocate the Imported Forecast file and no further processing occurs.

MPGICS MPTIFE IMPORT FORECAST VIA COMMON SERVICES PAGE 1
6/12/02 12:04:02 EXCEPTIONS REPORT PG

SELECTED MEMBER, MP001D01 , IN COMMON SERVICES FILE, AMPTF, CANNOT BE ALLOCATED.
***** NO RECORDS SELECTED

***** END OF REPORT *****

This is the Import Forecast using AM Common Services – Exceptions report. In this example, the system cannot allocate the Infinium Advanced Planning Transfer file and no further processing occurs.

MPGICS MPTIFE
6/12/02 12:00:54

I M P O R T F O R E C A S T V I A C O M M O N S E R V I C E S
E X C E P T I O N S R E P O R T

PAGE 1
PG

RECORD NO. ERROR
50 DATA IN THIS RECORD CAUSED PROGRAM AMGCRDCS TO END ABNORMALLY. TRANSFER PROCESS TERMINATED.

***** RECORDS PROCESSED . : 00050
***** RECORDS IN ERROR . : 00001

***** END OF REPORT *****

This is the Import Forecast using AM Common Services – Exceptions report. In this case the system successfully allocates the file and the transfer occurs.

Printing Infinium Advanced Planning Post Reports

Use the Post Imported Forecast option to post all unposted records from the Imported Forecast file, MPPIF, to the Infinium MP Forecast Database file, MPPMF.

Use the menu path below.

- ▶ *Forecast Import*
 - ▼ *Post Imported Forecast [PIF]*

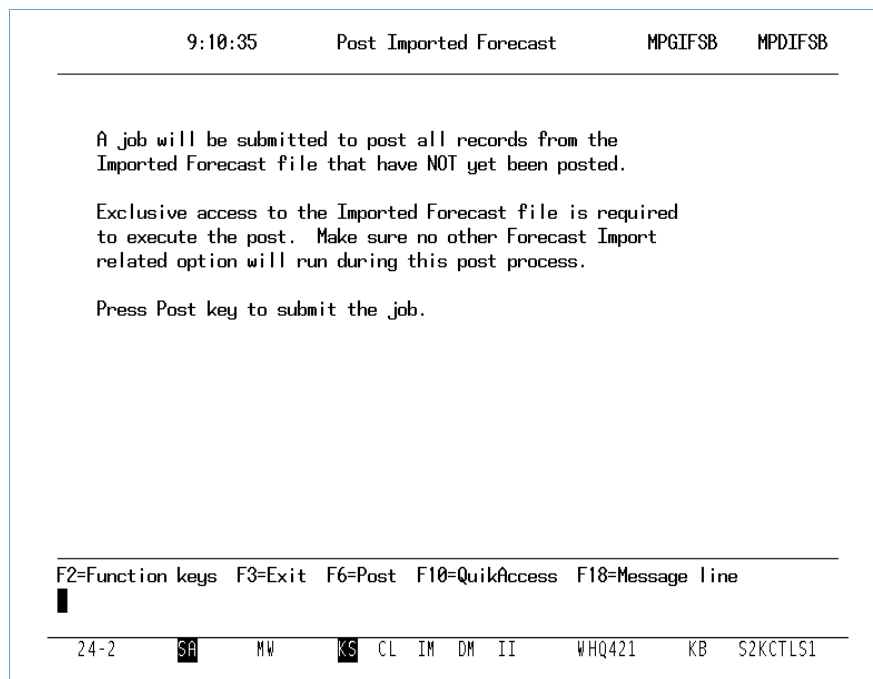


Figure 3-13: Post Imported Forecast screen

Posting Imported Forecasts

Make sure no other user is performing any Forecast Import option when you execute this option. Forecast Import options include: Import Forecasts, Work with Imported Forecast, Post Imported Forecast and Purge Imported Forecast File.

Press [F6] to post all unposted records in the Imported Forecast file, MPPIF. The system performs all validations as executed in the *Work with Imported Forecast* option. Press [F3] to cancel and exit.

Whenever you post, the system automatically generates the Imported Forecast Post Exceptions report.

If you type **0** in the *Delete of Posted Forecasts* field and **Y** in the *List Purged Forecast* field in the Infinium MP Control files, the system automatically generates the Imported Forecast Post and Purge report for you whenever you post forecasts.

If you type **1** in the *Delete of Posted Forecast* field and **Y** in the *List Posted Forecast* field, the system automatically generates the Imported Forecast Post report whenever you post forecasts.

You can also post forecast records via the *Work with Imported Forecast* option.

MPGIFS MPTIFL
7/22/02 9:29:58

I M P O R T E D F O R E C A S T P O S T

PAGE 2
PG

CO	WHSE	PRODUCT	SIZE	FCST TYPE	FORECAST DESCRIPTION	FORECAST DATE	QUANTITY	UM	STATUS	ORIGIN	USER ID	TRANS ID	TRANSACTION DATE
INF	INF	PROD11		FUTUR	REGION2'S FRCST TYPE	11/01/2002	50.0000	LB	NEW		PG	038683	07/11/2002
						12/01/2002	50.0000	LB	NEW		PG	038683	07/11/2002

***** RECORDS SELECTED . : 00130
***** RECORDS POSTED . . : 00047

***** END OF REPORT *****

CO	WHSE	PRODUCT	SIZE	FCST TYPE	FORECAST DATE	QUANTITY	UM
INF01				TFR	03/01/2002		EACH
					ERROR IN WAREHOUSE CODE		
					ERROR IN PRODUCT-SIZE CODE		
					ERROR IN UNIT OF MEASURE		
INF01				TFR	04/01/2002		EACH
					ERROR IN WAREHOUSE CODE		
					ERROR IN PRODUCT-SIZE CODE		
					ERROR IN UNIT OF MEASURE		
INF01				TFR	04/01/2002		EACH
					ERROR IN WAREHOUSE CODE		
					ERROR IN PRODUCT-SIZE CODE		
					ERROR IN UNIT OF MEASURE		
INF01				TFR	05/01/2002		EACH
					ERROR IN WAREHOUSE CODE		
					ERROR IN PRODUCT-SIZE CODE		
					ERROR IN UNIT OF MEASURE		
INF01				TFR	05/01/2002		EACH
					ERROR IN WAREHOUSE CODE		
					ERROR IN PRODUCT-SIZE CODE		
					ERROR IN UNIT OF MEASURE		
INF01				TFR	06/01/2002		EACH
					ERROR IN WAREHOUSE CODE		
					ERROR IN PRODUCT-SIZE CODE		
					ERROR IN UNIT OF MEASURE		
INF01				TFR	06/01/2002		EACH
					ERROR IN WAREHOUSE CODE		
					ERROR IN PRODUCT-SIZE CODE		
					ERROR IN UNIT OF MEASURE		
INF01				TFR	07/01/2002		EACH
					ERROR IN WAREHOUSE CODE		
					ERROR IN PRODUCT-SIZE CODE		
					ERROR IN UNIT OF MEASURE		
INF01				TFR	07/01/2002		EACH
					ERROR IN WAREHOUSE CODE		
					ERROR IN PRODUCT-SIZE CODE		
					ERROR IN UNIT OF MEASURE		
INF01				TFR	08/01/2002		EACH
					ERROR IN WAREHOUSE CODE		
					ERROR IN PRODUCT-SIZE CODE		
					ERROR IN UNIT OF MEASURE		

***** RECORDS PROCESSED . : 00130

***** RECORDS IN ERROR . : 00083

***** END OF REPORT *****

MPGIFS MPTIFL IMPORTED FORECAST POST AND PURGE PAGE 2
 7/22/02 10:01:12 PG

CO	WHSE	PRODUCT	SIZE	FCST TYPE	FORECAST DESCRIPTION	FORECAST DATE	QUANTITY	UM	STATUS	ORIGIN	USER ID	TRANS ID	TRANSACTION DATE
INF	INF	PROD11		FUTUR	REGION 2'S FCST TYPE	11/01/2002	50.0000	LB	NEW		PG	038683	07/11/2002
						12/01/2002	50.0000	LB	NEW		PG	038683	07/11/2002

***** RECORDS SELECTED . : 00130
 ***** RECORDS POSTED . : 00047

***** END OF REPORT *****

Printing the Imported Forecasts Purge Report

You use the *Purge Imported Forecast File* option to only purge posted forecasts.

You can purge forecasts of any status using the *Work with Imported Forecast* option.

It is not necessary to execute this option if you type **0** in the *Delete of Posted Forecasts* field in the Infinium MP Control files.

Use the menu path below.

- ▶ *Forecast Import*
 - ▼ *Purge Imported Forecast File [PIFF]*

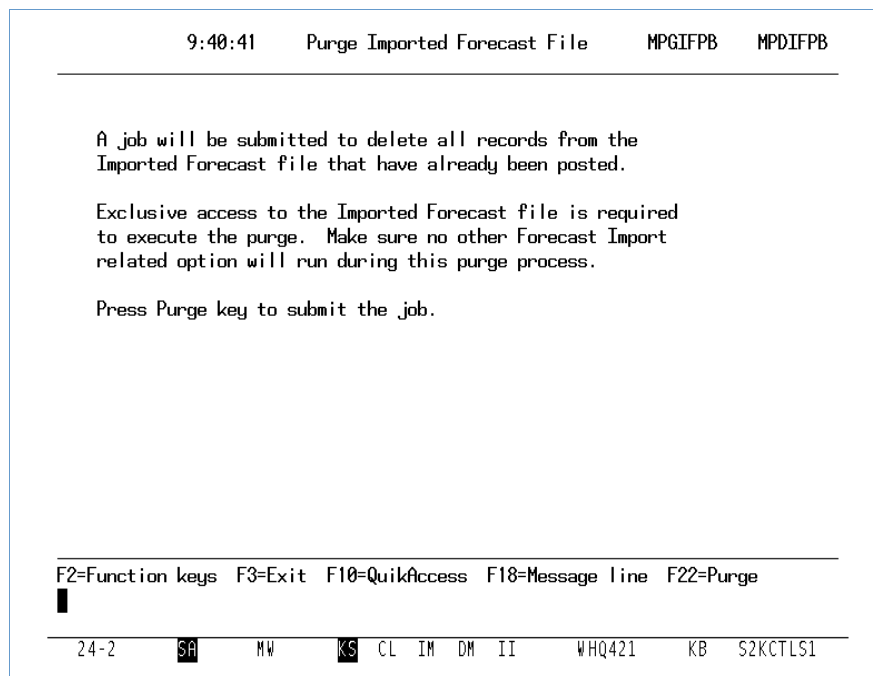


Figure 3-14: Purge Imported Forecast File screen

Make sure no other user is performing any Forecast Import option when you execute this option. Forecast Import options include: Import Forecasts, Work with Imported Forecast, Post Imported Forecast and Purge Imported Forecast File.

Press [F22] to execute the purge or [F3] to cancel and exit.

When you run this option, the system can automatically generate the Imported Forecast Purge report. This depends on your Control file settings.

MPGIFP MPTIFL
 PAGE 4
 7/22/02 10:11:26
 PG

I M P O R T E D F O R E C A S T P U R G E

TRANSACTION		FCST				FORECAST						
CO	WHSE	PRODUCT	SIZE	TYPE	FORECAST DESCRIPTION	DATE	QUANTITY	UM	STATUS	ORIGIN	USER ID	TRANS ID
INF01	INF01	PG-PRODUCT-1	EA	TFR	TEST MPS WITH TRANSFERS	01-01-2002	21059.0000	EACH	POSTED	SCOPE--FTP	PG	028506
INF01	INF02	PG-PRODUCT-1	EA	PROMO	PROMOTIONAL SALE	06-01-2002	700.0000	KG	POSTED	VIA MP TRF	PG	028332
						07-01-2002	650.0000	KG	POSTED	VIA MP TRF	PG	028332
						08-01-2002	600.0000	KG	POSTED	VIA MP TRF	PG	028332
						09-01-2002	550.0000	KG	POSTED	VIA MP TRF	PG	028332
						10-01-2002	500.0000	KG	POSTED	VIA MP TRF	PG	028332

***** RECORDS DELETED . . : 00147

***** END OF REPORT *****

Part 4

Printing Infinium Regulatory Management Reports

4

The part consists of the following topics:

Topic	Page
Printing History by Customers	4-2
Printing History by Products	4-5
Printing Phrase Details	4-8
Printing Formula Data	4-11
Printing Indented Formula Lists	4-15
Printing Hazardous Raw Material Details	4-19
Printing Hazardous Raw Material Lists	4-21
Printing Exposure Limits	4-23
Printing Formula Type Cross References	4-26
Regenerating Material Safety Data Sheets	4-28

Printing History by Customers

Use the *Print History by Customer* option to print, by customer identifier, the historical record of all MSD Sheets sent to customers.

Use the menu path below.

- ▶ *MSDS*
- ▶ *Print listings*
 - ▼ *Print History by Customer* [PHBC]

```
10:32:04      Print History by Customer      MRG055      MRD055
-----
Company . . . . . IS2 +
Warehouse . . . . . ISW2 +
Beginning Customer . . . . . _____ +
Ending Customer . . . . . _____ +
Beginning Date . . . . . _____
Ending Date . . . . . _____

F2=Function keys  F3=Exit  F4=Prompt  F8=Print  F24=More keys
```

Figure 4-1: Print History by Customer screen

Use the information below to complete the fields on this screen.

Beginning Customer, Ending Customer

To print the MSDS submission history for a single customer, complete the *Beginning Customer* field. To print the MSDS submission history for a range of customers, complete the *Beginning Customer* and the *Ending Customer* fields.

Beginning Date, Ending Date

Complete the *Beginning Date* and/or the *Ending Date* fields to print MSDS history for particular dates.

Press [F8] to print the report. A sample report is shown on the next page.

MRG055P MRT055
1/19/02 12:40:47

M S D S H I S T O R Y B Y C U S T O M E R

WMM

 Company IS2
 Warehouse ISW2
 Beginning Customer ALL
 Ending Customer
 Beginning Date ALL
 Ending Date

MRG055P MRT055
1/19/02 12:40:47

M S D S H I S T O R Y B Y C U S T O M E R

PAGE 1
WMM

 COMPANY : IS2 INFINIUM SOFTWARE
 WAREHOUSE : ISW2 INFINIUM WAREHOUSE #2

CUSTOMER	SHIP-TO	PRODUCT OR FORMULA	SIZE	REV	PREP DATE	STATUS	FORMULA	SALES REFERENCE
CUST1		PROD03		02	01/09/2002	2	FORM01	
ORDER 000000004 00	DATE LAST SHIPPED			MSDS LAST REV DATE				USER ID LAST PRINTED AM2000
CUST1		PROD04			01/09/2002	2	FORM09	
ORDER 000000004 00	DATE LAST SHIPPED			MSDS LAST REV DATE				USER ID LAST PRINTED AM2000
***** RECORDS SELECTED . . 000002								
***** END OF REPORT *****								

.

Printing History by Products

Use the *Print History by Products* option to print, by product identifier, the historical record of all MSD Sheets sent to customers or printed for the product.

Use the menu path below.

- ▶ *MSDS*
- ▶ *Print listings*
 - ▼ *Print History by Product* [PHBP]

```
9:03:05      Print History by Product      MRG058      MRD058
-----
Company . . . . . IS2 +
Warehouse . . . . . ISW2 +

Beginning Product or Formula . . . _____ +
Ending Product or Formula . . . . . _____ +

Beginning Date . . . . . _____
Ending Date . . . . . _____

-----
F2=Function keys  F3=Exit  F4=Prompt  F8=Print  F24=More keys
```

Figure 4-2: Print History by Product screen

Use the information below to complete the fields on this screen.

Beginning Product or Formula, Ending Product or Formula

To print the MSDS submission history for a product, complete the *Beginning Product or Formula* field. To print the MSDS submission history for a range of products, complete the *Beginning Product or Formula* and the *Ending Product or Formula* fields.

Beginning Date, Ending Date

Complete the *Beginning Date* and/or the *Ending Date* fields to print MSDS history for particular dates.

Press [F8] to print the report. A sample report is shown on the next page.

MRG058P MRT058
1/19/02 12:43:26

M S D S H I S T O R Y B Y P R O D U C T

WMM

Company IS2
Warehouse ISW2
Beginning Product or Formula . . . ALL
Ending Product or Formula
Beginning Date ALL
Ending Date

MRG058P MRT058
1/19/02 12:43:26

M S D S H I S T O R Y B Y P R O D U C T

PAGE 1
WMM

COMPANY : IS2 INFINIUM SOFTWARE
WAREHOUSE : ISW2 INFINIUM WAREHOUSE #2
REV PRINT
PRODUCT SIZE CUSTOMER SHIP-TO CODE PREP DATE STATUS FORMULA SALES REFERENCE
PROD03 CUST1 02 01/09/2002 2 FORM01
ORDER 000000004 00 DATE LAST SHIPPED MSDS LAST REV DATE USER ID LAST PRINTED AM2000
PROD04 CUST1 01/09/2002 2 FORM09
ORDER 000000004 00 DATE LAST SHIPPED MSDS LAST REV DATE USER ID LAST PRINTED AM2000
***** RECORDS SELECTED . . 000002
***** END OF REPORT *****

Printing Phrase Details

Use the *Print Phrase Detail* option to print MSDS phrases. You can print one phrase, a range of phrases or all phrases.

Use the menu path below.

- ▶ *MSDS*
- ▶ *Print listings*
- ▼ *Print Phrase Detail* [PPD]

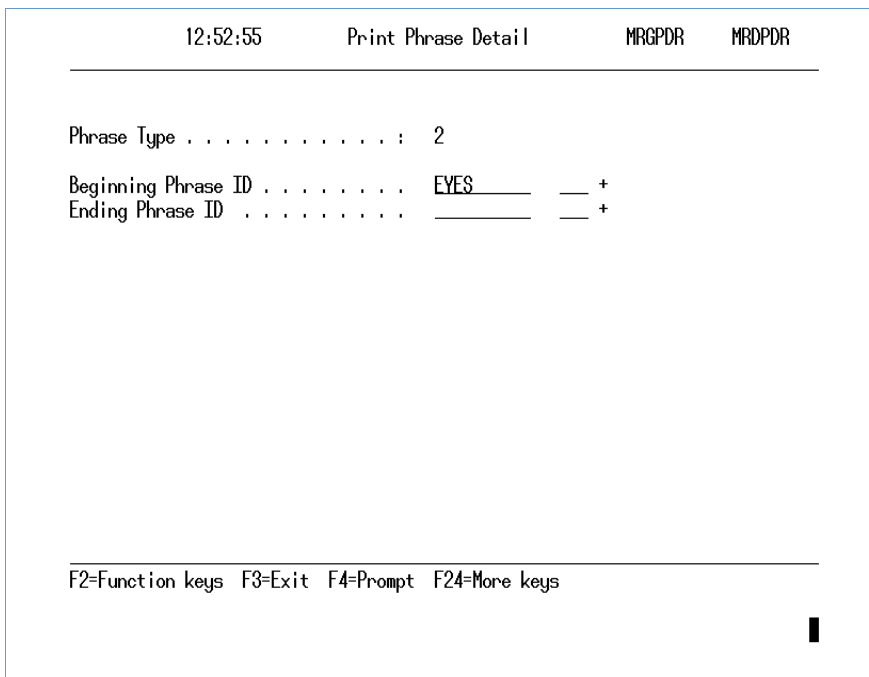


Figure 4-3: Print Phrase Detail screen

Use the information below to complete the fields on this screen.

Beginning Phrase ID, Ending Phrase ID

To print one phrase, complete the *Beginning Phrase ID* field. To print a range of phrases, complete both the *Beginning Phrase ID* and *Ending Phrase ID* fields.

Phrase Type

To change the value in the *Phrase Type* field, press [F7] to display the Override window.

Press [F8] to print the phrases. A sample report is shown on the next page.

MRGPDR 1/19/02
M RTPDR 12:52:28

P H R A S E L I S T I N G

WMM

Phrase Type : 2
Beginning Phrase ID EYES 00
Ending Phrase ID 00

MRGPDR 1/19/02
M RTPDR 12:52:28

P H R A S E L I S T I N G

PAGE 1
WMM

PHRASE ID AND SEVERITY LEVEL	PROCESS LESS SEVERE SEGMENT	LIST COMPONENTS TEXT	MINIMUM PCT. BY WEIGHT	SUBSTITUTIONS
EYES 00	N	N		
	010	This material should not cause any irritation to the eyes.		00
EYES 10	N	N		
	010	This material may cause slight irritation to the eyes. If so, rinse eyes		00
	020	thoroughly with clear, running water for 2 to 3 minutes.		00
EYES 20	N	N		
	010	This material may cause minor irritation to the eyes. Flush eyes with cold,		00
	020	clear, running water for 2 to 3 minutes to rinse out any product that may		00
	030	have gotten into the eyes. If any irritation persists after rinsing, call		00
	040	or visit your nearest medical professional for assistance.		00
EYES 30	N	N		
	010	This material will cause slight irritation to the eyes. Immediately flush		00
	020	the eyes with cool, clear, running water for at least 3 minutes. If eyes		00
	030	are still irritated, rinse again for 2 minutes. See a medical professional		00
	040	if problems persist.		00
EYES 40	N	N		
	010	This material will cause irritation to the eyes. Immediately flush both		00
	020	eyes with cool, clear, running water for at least 3 minutes. If eyes are		00
	030	red, vision is blurred or burning sensation arises, seek a medical profess-		00
	040	ional immediately for further treatment with an eye antibiotic ointment.		00
EYES 80	N	N		
	010	May cause sever irritation (tears, blurred vision and redness). May		00
	020	result in permanent damage to the cornea, vision impairment and even		00
	030	blindness.		00

***** RECORDS SELECTED . . 000006
***** END OF REPORT *****

Printing Formula Data

Use the *Print Formula Data* option to specify the formula records for which you want regulatory information to print. This report lists all the information you entered for the specified formulas in the *Work with Formula Data* option.

Use the menu path below.

- ▶ *MSDS*
- ▶ *Print listings*
 - ▼ *Print Formula Data* [PFD]

10:59:50	Print Formula Data	MRG071	MRD071
<hr/>			
Company	<u>IS1</u>	+	
Warehouse	<u>ISW1</u>	+	
Include Lower Levels	<u>Y</u>		(Y=Yes, N=No)
Beginning Formula	_____	+	
Ending Formula	_____	+	
Effective Instances Only	<u>N</u>		(Y=Yes, N=No)
<hr/>			
F2=Function keys F3=Exit F4=Prompt F8=Print F24=More keys			

Figure 4-4: Print Formula Data screen

Beginning Formula, Ending Formula

To print information for one formula, complete the *Beginning Formula* field. To print information for a range of formulas, complete both the *Beginning Formula* and *Ending Formula* fields.

Effective Instances Only

Specify yes to select the formula instance that is currently in effect as of the system date for each formula in the range you specified.

Specify no to select all formula instances, regardless of effective date.

Formula by Location

Company, *Warehouse*, *Include Lower Levels* and *Effective Instances Only* are used to further define the formula selection criteria for the range of formulas specified in *Beginning Formula* and *Ending Formula*. The tables below describe the various formula selection criteria for printing the report.

Selection Criteria for Effective Formulas Only

Use the table below to specify the selection criteria for only the formula instance that is currently in effect as of the system date for each formula in the range you specified.

To print...	You must...
Formula instances for a specific warehouse	Specify <i>Company</i> and <i>Warehouse</i> Type either Y or N in <i>Include Lower Levels</i> Type Y in <i>Effective Instances Only</i>
Formula instances for a specific company and all of its warehouses	Specify <i>Company</i> Leave <i>Warehouse</i> blank Type Y in <i>Include Lower Levels</i> Type Y in <i>Effective Instances Only</i>
All Formula instances including the entity formulas	Leave <i>Company</i> and <i>Warehouse</i> blank Type Y in <i>Include Lower Levels</i> Type Y in <i>Effective Instances Only</i>
Company formula instances only	Specify <i>Company</i> Leave <i>Warehouse</i> blank Type N in <i>Include Lower Levels</i> Type Y in <i>Effective Instances Only</i>

To print...**You must...**

Entity formula instances only

Leave *Company* and *Warehouse* blankType **N** in *Include Lower Levels*Type **Y** in *Effective Instances Only***Selection Criteria for Formulas Regardless of Effective Date**

Use the table below to specify the selection criteria for all formula instances. When you specify no in *Effective Instance Only*, all formulas are selected regardless of the effective date.

To print...**You must...**

Formula instances for a specific warehouse

Specify *Company* and *Warehouse*Type either **Y** or **N** in *Include Lower Levels*Type **N** in *Effective Instances Only*

Formula instances for a specific company and all of its warehouses

Specify *Company*Leave *Warehouse* blankType **Y** in *Include Lower Levels*Type **N** in *Effective Instances Only*

All formula instances, including the entity formulas

Leave *Company* and *Warehouse* blankType **Y** in *Include Lower Levels*Type **N** in *Effective Instances Only*

Company formulas instances only

Specify *Company*Leave *Warehouse*Type **N** in *Include Lower Levels*Type **N** in *Effective Instances Only*

Entity formula instances only

Leave *Company* and *Warehouse* blankType **N** in *Include Lower Levels*Type **N** in *Effective Instances Only*

Press [F8] to print the report. A sample report is shown on the next page.

MRG071P MRT071
1/19/02 12:59:43

M S D S F O R M U L A D A T A

WMM

Company IS1
Warehouse ISW1
Include Lower Levels Yes
Beginning Formula Number FORM01
Ending Formula Number FORM01
Effective Instances Only No

MRG071P MRT071
1/19/02 12:59:43

M S D S F O R M U L A D A T A

PAGE 1
WMM

FORMULA IS1 ISW1 FORM01 PRODUCT CLASS KITTY LITTER
FORMULA TYPE TRADE NAME JOHNNY CAT
VAPOR PRESSURE 5.70 VAPOR DENSITY
VAPOR PRESSURE COMMENTS VAPOR DENSITY COMMENTS FLASH POINT 107.0
EVAPORATION RATE 12.200 EXPLOSION LEVEL LOWER UPPER FLASH POINT COMMENTS
LOWER EXPLOSION COMMENTS UPPER EXPLOSION COMMENTS
MOLECULAR FORMULA MOLECULAR WEIGHT 0000000
BOILING POINT HIGH 343.0 LOW 299.0 APPEARANCE VISCOSITY
FLAMMABILITY UPPER 76.9 LOWER 98.2 AUTO IGNITION TEMPERATURE 83.9 PHYSICAL STATE VISC. LIQ.
ODOR DESC ODOR THRESHOLD pH WATER SOLUBILITY INSOLUBLE
WATER/OIL COEFFICIENT FLAME EXTENSION FREEZING POINT 28.0 SPECIFIC GRAVITY 1.120
MECHANICAL IMPACT EXPLOSION STATIC ELECTRICITY EXPLOSION
HMIS CODES 3 4 MSDS REVISION DATE
WHMIS CLASSIFICATION WHMIS PRODUCT IDENTIFICATION NUMBER

***** END OF REPORT *****

.

Printing Indented Formula Lists

Use the *Print Indented Formula List* option to specify the range of formulas or the product for which you want to print an indented listing. An indented listing shows ingredients and ingredient quantities for up to ten levels. The first level lists the formula ingredients. Each subsequent level details the ingredients of any intermediates and products used at the previous level. Information for levels two through ten is indented from information for the previous level.

Use the menu path below.

- ▶ *MSDS*
- ▶ *Print listings*
 - ▼ *Print Indented Formula List [PIFL]*

```
11:04:32      Print Indented Formula List      PRGFI      PRDFI
-----
Company . . . . . _____ +
Warehouse . . . . . _____ +
Include Lower Levels . . . . . Y (Y=Yes, N=No)

Specify range of Formulas:
  Beginning Formula . . . . . _____ +
  Ending Formula . . . . . _____ +

Or,
  Product . . . . . _____ +

Processing Option . . . . . 2 (1=Interactive, 2=Batch)
Effective Instances only . . . . . : Y (Y=Yes, N=No)

-----
F2=Function keys  F3=Exit  F4=Prompt  F8=Print  F24=More keys
```

Figure 4-5: Print Indented Formula List screen

Use the information below to complete the fields on this screen.

Formula Selection Criteria

Beginning Formula, Ending Formula

You can specify one or more formulas depending on how you complete the formula fields.

- To print the report for one formula, type a formula identifier in the *Beginning Formula* field.
- To print the report for a range of formulas, type formula identifiers in both the *Beginning Formula* and *Ending Formula* fields.
- To print the report for all formulas, leave *Beginning Formula* and *Ending Formula* blank.

Effective Instances only

The Indented List can be printed only for effective instances. The system selects only the instance that is currently in effect as of the system date for each formula in the range you specified.

This field is display-only and cannot be changed.

Formula by Location

Company, *Warehouse* and *Include Lower Levels* are used to further define the formula selection criteria for the range of formulas specified in *Beginning Formula* and *Ending Formula*. The tables below describe the various formula selection criteria for printing the report for effective instances.

Use the table below to specify the selection criteria for only the formula instance that is currently in effect as of the system date for each formula in the range you specified.

To print...	You must...
Formula instances for a specific warehouse	Specify <i>Company</i> and <i>Warehouse</i> Type either Y or N in <i>Include Lower Levels</i>
Formula instances for a specific company and all of its warehouses	Specify <i>Company</i> Leave <i>Warehouse</i> blank Type Y in <i>Include Lower Levels</i>
All Formula instances including the entity formulas	Leave <i>Company</i> and <i>Warehouse</i> blank Type Y in <i>Include Lower Levels</i>

To print...

You must...

Company formula instances only

Specify *Company*

Leave *Warehouse* blank

Type **N** in *Include Lower Levels*

Entity formula instances only

Leave *Company* and *Warehouse* blank

Type **N** in *Include Lower Levels*

To print an indented report for a product, type a product identifier in the *Product* field.

Press [F8] to print the report. A sample report is shown on the next page.

PRGFI PRTFI
 1/19/02 13:02:53
 WMM

I N D E N T E D F O R M U L A L I S T I N G

 Company IS1
 Warehouse ISW1
 Include Lower Levels Yes
 Beginning Formula Number FORM01
 Ending Formula Number FORM01
 Effective Instances Only No
 Product

PRGFI PRTFI
 PAGE
 1/19/02 13:02:53

I N D E N T E D F O R M U L A L I S T I N G

WMM

 FORMULA IS1 ISW1 FORM03
 UNIT OF MEASURE : LB

REGULAR FORMULA 3 - APPLE PIE

LEVEL 1		OTHER LEVELS	
COMPONENT	DESCRIPTION	QTY IN LB	QTY IN GL
DESCRIPTION	QTY IN LB	QTY IN GL	LEVEL COMPONENT
RAW07	APPLES	4.0000	.4494
RAW13	RED DYE	1.0000	.1200
RAW01	WATER	33.3200	4.0000
FORM05	INTERMEDIATE FORM1 - CHE	12.0000	1.4788
	2..... RAW01		9.4035
	2..... RAW02		1.1289
	2..... RAW03		.1129
	2..... RAW04		.7902
	2..... RAW08		.5644
	2..... RAW19		.1129 HR

Y

 50.3200 6.0482
 ***** RECORDS SELECTED . . 000001
 ***** END OF REPORT *****

Printing Hazardous Raw Material Details

Use the *Print Hazardous RM Detail* option to print information in the Hazardous Raw Material file for raw materials you specify.

Use the menu path below.

- ▶ *MSDS*
- ▶ *Print listings*
 - ▼ *Print Hazardous RM Detail [PHRD]*

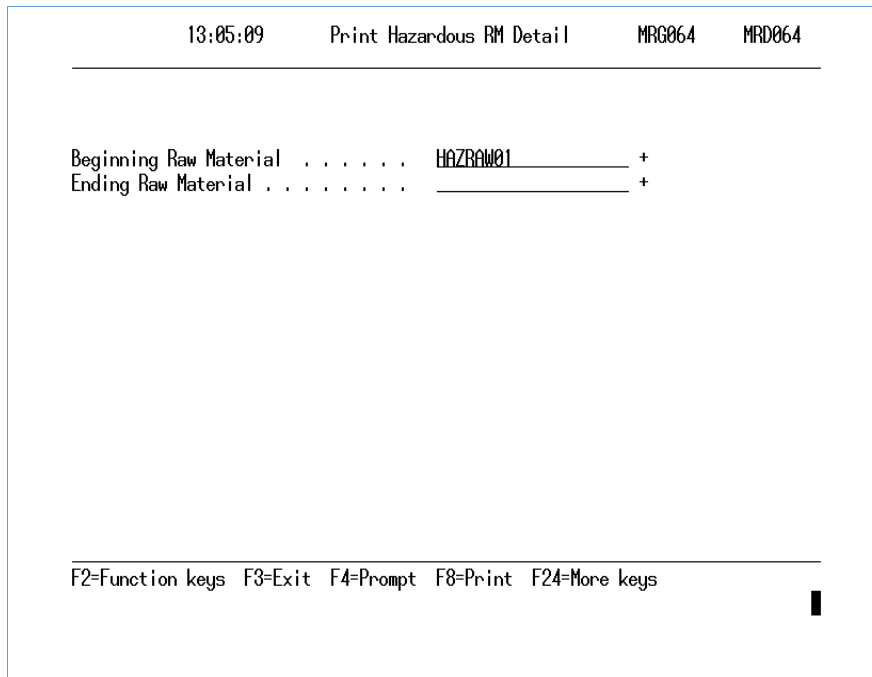


Figure 4-6: Print Hazardous Raw Material Detail screen

To print one material, complete the *Beginning Raw Material* field. To print a range of materials, complete both the *Beginning Raw Material* and *Ending Raw Material* fields.

Press [F8] to print the report. A sample report is shown on the next page.

MRG064P MRT064 H A Z A R D O U S R A W M A T E R I A L D E T A I L WMM
 1/19/02 13:05:36

Beginning Raw Material HAZRAW01
 Ending Raw Material HAZRAW01

MRG064P MRT064 H A Z A R D O U S R A W M A T E R I A L D E T A I L PAGE 1
 1/19/02 13:05:36 WMM

MATERIAL NUMBER HAZRAW01 CAS NUMBER 12345-6 MATERIAL DESCRIPTION ALCOHOL
 CHEMICAL NAME CHEMICAL 1
 OPTIONAL DESCRIPTION
 CAS TRADE SECRET? N CHEMICAL NAME TRADE SECRET? N
 MINIMUM PCT BY WT TO REPORT 1.000000 PRINT EXACT PCT BY WEIGHT N
 EXPLOSION LEVELS BOILING POINTS FLASH POINT VAPOR PRESS VAPOR DENSITY EVAPORATE RATE
 UPPER LOW HIGH 277.0 LOW 277.0 59.0 10.00 3.56
 VAPOR PRESSURE COMMENTS VAPOR DENSITY COMMENTS FLASH POINT COMMENTS
 UPPER EXPLOSION COMMENTS LOWER EXPLOSION COMMENTS
 OTHER LIMITS RECOMMENDED
 CARCINOGEN N TERATOGEN N MUTAGEN N REPRODUCTIVE TOXIN N NUISANCE PIGMENT N SECT 313 TOXIC Y
 SARA/OSHA EXEMPT N OVERRIDE THRESHOLD QTY
 HAZARDOUS Y EXTREMELY HAZARDOUS N
 EXTREMELY HAZARDOUS
 SOLID LIQUID GAS PURE MIX REPORT BY MIXTURE OR RAW MATERIAL
 HAZARDS: FIRE X SUDDEN RELEASE OF PRESSURE REACTIVITY X ACUTE X CHRONIC X
 LOGOS: CORROSIVE X TOXIC X FLAMMABLE X POISON X HAZARDOUS AIR POLLUTANT N
 PHOTOCHEMICALLY REACTIVE N MAX PCT BY VOLUME ALLOWED

***** END OF REPORT *****

Printing Hazardous Raw Material Lists

Use the *Print Hazardous Raw Matl List* option to print a list of all the materials in the Hazardous Raw Material file. The report lists raw material identifier, description from the raw material record, CAS Number, Chemical Name and additional description from the hazardous raw material record.

Use the menu path below.

- ▶ *MSDS*
- ▶ *Print listings*
 - ▼ *Print Hazardous Raw Matl List [PHRML]*

There is no selection screen for this option. The system prints the entire list of hazardous raw materials.

A sample list is shown on the next page.

MRG067 MRT067 H A Z A R D O U S R A W M A T E R I A L Q U I C K L I S T PAGE 1
 1/19/02 13:08:28 WMM

RAW MATERIAL	DESCRIPTION	NUMBER	CAS	CHEMICAL NAME	ADDITIONAL DESCRIPTION
HAZRAW01	ALCOHOL		12345-6	CHEMICAL 1	
HAZRAW02	XYLENE			CHEMICAL 2	
HAZRAW03	CHROMATE			CHEMICAL 3	
HAZRAW04	ETHYL BENZENE			CHEMICAL 4	
HAZRAW05	CHLORINE		1A397	CHEMICAL 5	
HAZRAW06	SOLVENT			CHEMICAL 5	
HAZRAW07	PIGMENT			CHEMICAL 7	
HAZRAW08	AROMATIC		5045-35	CHEMICAL 8	
HAZRAW09	FORMALDEHYDE		9996-07	CHEMICAL 9	
HAZRAW10	TOULENE		1A345	CHEMICAL 10	
HAZRAW11	RESIN			CHEMICAL 11	
HAZRAW12	CATALYST			CHEMICAL 12	
RAW12	SOIL				

***** END OF REPORT *****

Printing Exposure Limits

Use the *Print Exposure Limits* option to print exposure limit information about raw materials. You maintain exposure limits using the *Work with Hazardous Raw Material* option.

If a material does not have exposure limit information, no report prints for that material.

Use the menu path below.

- ▶ *MSDS*
- ▶ *Print listings*
 - ▼ *Print Exposure Limits [PEL]*

The screenshot shows a terminal-style interface for printing exposure limits. At the top, it displays the time '13:13:12', the title 'Print Exposure Limits', and two menu options: 'MRGELP' and 'MRDELP'. Below this is a horizontal line. The main form contains two rows of text: 'Beginning Material HAZBAW01 _____ +' and 'Ending Material _____ +'. At the bottom of the screen, there is a legend: 'F2=Function keys F3=Exit F4=Prompt F8=Print F24=More keys'. A cursor is visible at the end of the 'Ending Material' line.

Figure 4-7: Print Exposure Limits screen

To print exposure limits for one material, complete the *Beginning Material* field. To print exposure limits for a range of materials, complete both the *Beginning Material* and *Ending Material* fields.

Press [F8] to print the report. A sample report is shown on the next page. The system prints exposure limits for one material per page.

MRGELP MRTELPR MATERIAL SAFETY EXPOSURE LIMITS BY MATERIAL
1/19/02 13:11:28

Beginning Material HAZRAW01
Ending Material

MRGELP MRTELPR MATERIAL SAFETY EXPOSURE LIMITS BY MATERIAL PAGE 1
1/19/02 13:11:28

ALCOHOL ITEM HAZRAW01

Field Heading	Reporting Information
ACGIH TLV/TWA:	100 PPN
ACGIH TLV/STEL:	125 PPN
ACGIH CEILING:	NE
OSHA PEL/TWA:	100 PPN
OSHA STEL:	125 PPN
OSHA CEILING:	NA
LC50:	3500 MG/KG
LD50:	50/G/N3/2K

***** END OF REPORT *****

Printing Formula Type Cross References

Use the *Print Formula Type Cross Ref* option to print all formula types and all formulas associated with each of the formula types. This option prints only those formula types to which at least one formula is associated.

Use the menu path below.

- ▶ *MSDS*
- ▶ *Print listings*
 - ▼ *Print Formula Type Cross Ref* [PFTCR]

A screen is not displayed in this option.

When you select this option from the *Print listings* menu, the system prints the report as shown on the next page.

MRGPFTC MTRPFTC
1/19/02 13:13:56

F O R M U L A T Y P E C R O S S R E F E R E N C E L I S T I N G

PAGE 1
WMM

FORMULA TYPE	FORMULA	FORMULA DESCRIPTION	REV CODE	LAST REV DATE	MSDS REV DATE
INFFORMTYPE1	FORM09	PHANTOM FORMULA 1 - WHITE PAINT		00/00/0000	00/00/0000
INFFORMTYPE1	FORM10	PHANTOM FORMULA 2 - SOIL MIXTURE		00/00/0000	00/00/0000

***** END OF REPORT *****

Regenerating Material Safety Data Sheets

Use the *Regenerate MSD Sheets* option to regenerate an MSDS that was previously printed. The system searches the MSDS History file and retrieves MSDS history records based on the selection criteria you type. The system uses the latest formula data to regenerate the MSDS. For example, if a formula changed since the last time you printed its MSDS, the system prints the MSDS based on the changed formula data.

Use the menu path below.

- ▶ *MSDS*
- ▶ *Print listings*
 - ▼ *Regenerate MSD Sheets [RMSDS]*

```
13:20:51      Regenerate MSD Sheets      MRGDMB      MRDDMB
-----
Company . . . . . IS2 +
Warehouse . . . . . ISW2 +
Preparation Date . . . . . 1192000
Cover Sheet Required . . . . . N (Y=Yes, N=No)
Language Code . . . . . *BL +
Specify one or more of the following. Then press Enter.

Selection Criteria 1:
Customer . . . . . _____ +
Ship-To . . . . . _____ +

Selection Criteria 2:
Beginning Formula or Product . . . . . FORM01 _____ +
Ending Formula or Product . . . . . _____ +

Selection Criteria 3:
Beginning Date . . . . . _____
Ending Date . . . . . _____

-----
F2=Function keys F3=Exit F4=Prompt F10=QuickAccess F24=More keys
```

Figure 4-8: Regenerate MSD Sheets prompt screen

Complete the fields with the criteria to select MSD Sheets to print. Leave all selection criteria fields blank to reprint all MSD Sheets.

Customer, Ship-To

To select only certain MSD Sheets to reprint, complete the *Customer* and *Ship-To* fields first. Then you can complete the *Selection Criteria 2* and the *Selection Criteria 3* fields.

Beginning Formula or Product, Ending Formula or Product

To select one or a range of formulas or products, complete both the *Beginning Formula or Product* and *Ending Formula or Product* fields.

Press [Enter] to continue.

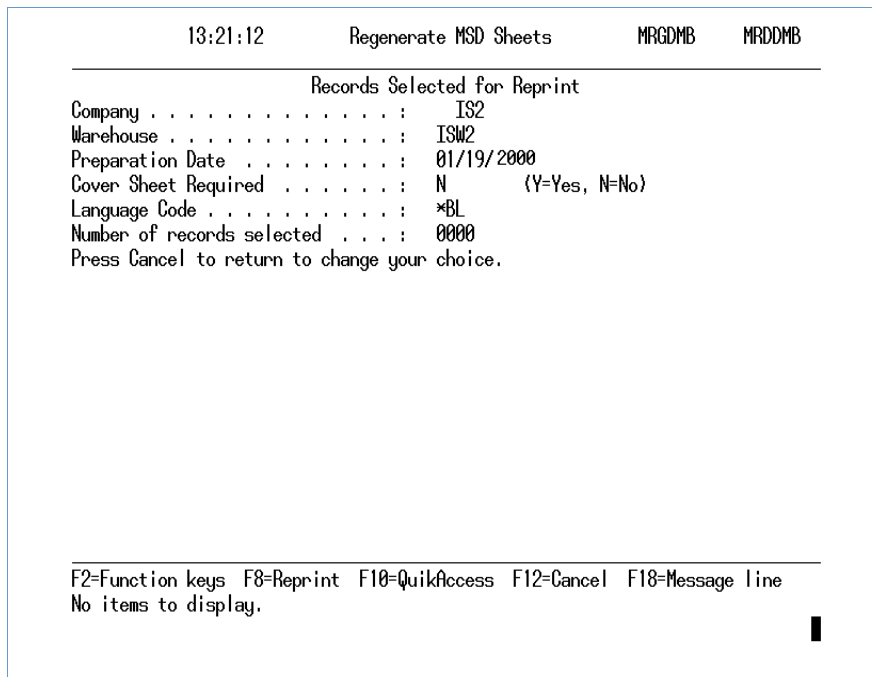


Figure 4-9: Records Selected for Reprint screen

This screen displays when you press [Enter] from the Regenerate MSD Sheets prompt screen.

This screen displays the MSD Sheets that match the selection criteria you typed.

Press [F8] to print all the MSD Sheet(s) that display on the Records Selected for Reprint screen.

Press [F12] to redisplay the MSDS selection screen to change the selection criteria.

A sample MSDS based on the criteria in these screens is shown on the next pages.

MATERIAL SAFETY DATA SHEET

FORM01 02

EXPOSURE LIMIT:

ACGIH TLV/TWA:	400 PPN
ACGIH TLV/STEL:	NE
ACGIH CEILING:	400 PPN
OSHA PEL/TWA:	400 PPN
OSHA STEL:	NE
OSHA CEILING:	NE
LC50:	6.1 G/KG
LD50:	1600 PPN

4

CHEMICAL 9

PCT BY WT: 5.0000 VAPOR PRESSURE: 76.000 MMHG @ 68F

EXPOSURE LIMIT:

ACGIH TLV/TWA:	50 PPN
ACGIH TLV/STEL:	NE
ACGIH CEILING:	100 PPN
OSHA PEL/TWA:	NE
OSHA STEL:	NE
OSHA CEILING:	NE
LC50:	NA
LD50:	NA

5

CAS# 1A345

CHEMICAL 10

PCT BY WT: 1 - 5% VAPOR PRESSURE: 22.000 MMHG @ 68F

EXPOSURE LIMIT:

ACGIH TLV/TWA:	50 PPN
ACGIH TLV/STEL:	NE
ACGIH CEILING:	100 PPN
OSHA PEL/TWA:	150 PPN
OSHA STEL:	300 PPN
OSHA CEILING:	300 PPN
LC50:	5 G/KG
LD50:	5320 PPM

 This product contains no reported carcinogens or suspected
 carcinogens.

INFINIUM WAREHOUSE #1

MATERIAL SAFETY DATA SHEET

FORM01 02

SECTION 3 - HAZARDS IDENTIFICATION

 EMERGENCY OVERVIEW:
 POTENTIAL HEALTH EFFECTS:
 EYE:
 SKIN:
 INHALATION:
 INGESTION:
 Substance may be irritating to mouth, throat, and stomach.
 CHRONIC EFFECTS:
 CARCINOGENICITY:
 TARGET ORGANS:

SECTION 4 - FIRST AID MEASURES

 EYE CONTACT:
 SKIN CONTACT:
 This may cause very slight irritation to the skin. If so, wash thoroughly with mild soap and water.
 INHALATION:
 INGESTION:
 NOTE TO PHYSICIAN:

SECTION 5 - FIRE FIGHTING MEASURES

 FIRE AND EXPLOSIVE PROPERTIES OF THE CHEMICAL:
 Flammability Classification . . . : 2 DOT: Combustible Liquid
 Flashpoint : 107.0 F
 41.6 C
 Explosion Level : Low - -N/A
 High - -N/A
 Flammability Limits : Lower - 76.9
 Higher - 98.2
 Auto-ignition Temperature . . . : 83.9 F 28.8 C

EXTINGUISHING MEDIA:
 FIRE-FIGHTING PROCEDURES AND EQUIPMENTS:
 Fire-fighters should wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus (SCBA).

 INFINIUM WAREHOUSE #1
 MATERIAL SAFETY DATA SHEET
 FORM01 02

SECTION 6 - ACCIDENTAL RELEASE MEASURES

 CLEAN-UP:
 Allow material to solidify, and scrape up.

SECTION 7 - HANDLING AND STORAGE

 HANDLING:
 Always wear protective gloves when handling this material.

STORAGE:
SPECIAL COMMENTS:

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

EYE PROTECTION:
RESPIRATORY PROTECTION:
SKIN PROTECTION:
Always wear protective gloves when handling this material.
ENGINEERING CONTROLS:

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance : -N/A
Odor : -N/A
Odor Threshold : -N/A
Physical State : VISC. LIQ.
pH : -N/A
Vapor Pressure : 5.70
Vapor Density : -N/A
Boiling Range : Lower : 299.0 F 148.3 C
Higher: 343.0 F 172.7 C
Freezing Point : 28.0 F 2.2- C
Melting Point : -N/A
Water Solubility : INSOLUBLE
Specific Gravity : 1.120
Formula Weight per Volume : 7.8055 LB/GL
VOC : 3.454
Evaporation Rate : 12.200 (n-Butyl Acetate = 1)
Viscosity : -N/A
Percent Volatile by Weight : 44.2541
Percent Volatile by Volume : 48.8384
Coeff of Water-Oil Distribution : -N/A
Molecular Weight : -N/A
Molecular Formula :

PAGE 5

INFINIUM WAREHOUSE #1
MATERIAL SAFETY DATA SHEET
FORM01 02

-N/A
Mechanical Impact Explosion : -N/A
Static Electricity Explosion : -N/A

SECTION 10 - STABILITY AND REACTIVITY

INCOMPATIBILITIES:
DECOMPOSITION:
CONDITIONS TO AVOID:
Keep away from sources of ignition.
POLYMERIZATION:
STABILITY:

SECTION 11 - TOXICOLOGICAL INFORMATION

EYE EFFECTS:
SKIN EFFECTS:
ORAL EFFECTS:
Overexposure may cause lung damage.
INHALATION EFFECTS:
OTHER:
May cause headaches and dizziness.

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:
ENVIRONMENTAL FATE:

PAGE 6

INFINIUM WAREHOUSE #1
MATERIAL SAFETY DATA SHEET
02

FORM01

SECTION 13 - DISPOSAL CONSIDERATIONS

Recycle or incinerate at an EPA approved facility or dispose in compliance with Federal, State and local regulations.

SECTION 14 - TRANSPORT INFORMATION

DOT Hazard Class :
DOT Packaging Group :
DOT LABEL:
DOT SHIPPING NAME:
DOT PLACARD:
UN/NA NUMBER:
IATA/IMO INFORMATION:
Contents under pressure. Do not expose to heat or store above 85 degrees.

SECTION 15 - REGULATORY INFORMATION

SARA 313 INFORMATION:
This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL 2	PCT BY WT: 4.8010

CHEMICAL 5	
CAS# 1A397	PCT BY WT: 10.5220

CHEMICAL 8	
	PCT BY WT: 29.9920

CHEMICAL 9

PCT BY WT: 4.6660

FEDERAL REGULATIONS:
STATE REGULATIONS:
INTERNATIONAL REGULATIONS:

PAGE 7

INFINIUM WAREHOUSE #1
MATERIAL SAFETY DATA SHEET
FORM01 02

SECTION 16 - OTHER INFORMATION

Prepared by :
Date of issue : 01/16/2002
Last Revision Date : NONE
MSDS Prepared for :
MSDS Last Prepared : NONE
HMIS Information: Health- 3 Flammability- 4
 Reactivity- Personal Protective Equipment-

Notes

Part 5

Printing Infinium Regulatory Management SARA Reports

5

The part consists of the following topics:

Topic	Page
Printing SARA Hazardous Materials	5-2
Printing the Audit File	5-6
Printing Tier I and Tier II Reports	5-9
Printing the SARA Dates File	5-20

Printing SARA Hazardous Materials

Use the *Print SARA Hazardous Materials* option to print SARA information for the raw materials in the Hazardous Raw Materials file.

Use the menu path below.

- ▶ *SARA Module*
 - ▼ *Print SARA Hazardous Materials [PSARAHM]*

```
13:23:06  Print SARA Hazardous Materials  SR116R  SR116F
-----
Beginning Material . . . . . HAZRAW01_____ +
Beginning Size . . . . . _____ (Leave blank for All)

Ending Material . . . . . _____ +
Ending Size . . . . . _____

-----
F2=Function keys  F3=Exit  F4=Prompt  F8=Print  F24=More keys
```

Figure 5-1: Print SARA Hazardous Materials screen

Use the information below to complete the fields on this screen.

Beginning Material, Ending Material

To print hazard information for one raw material, type a raw material identifier in the *Beginning Material* field and press [Enter]. To print hazard information for a range of raw materials, complete the *Beginning Material* and *Ending Material* fields and press [Enter].

If your company uses a Size code as part of the material identifier, complete the *Size* fields when you complete the corresponding material field.

Leave the fields blank to print hazard information for all raw materials.
Press [F8] to print the report. A sample report is shown on the next page.

SR116R1 SR116P S A R A H A Z A R D O U S M A T E R I A L S WMM
 1/19/02 13:23:30

Beginning Material HAZRAW01
 Beginning Size (Leave Blank for ALL)
 Ending Material 99999999999999999999
 Ending Material

SR116R1 SR116P S A R A H A Z A R D O U S M A T E R I A L S PAGE 1
 1/19/02 13:23:30 WMM

MATERIAL	SIZE	CAS#	TRADE	SECRET	CHEMICAL NAME	CHEM NAME	TRADE	SECRET
HAZRAW01		12345-6		N	CHEMICAL 1			N
ADDITIONAL DESCRIPTION:								
HAZARD TYPE:			HAZARDOUS	Y	EXTREMELY HAZARDOUS	N	EXEMPT	N
MATERIAL HANDLED AS:			SOLID		LIQUID	GAS	PURE	
REPORTING METHOD:			MIXTURE WT.		RM WT.			
PHYSICAL & HEALTH HAZARD CATEGORIES:			FIRE	X	SUDDEN RELEASE OF PRESSURE		REACTIVITY	X
			IMMEDIATE (ACUTE)	X	DELAYED (CHRONIC)			X
HAZRAW02				N	CHEMICAL 2			N
ADDITIONAL DESCRIPTION:								
HAZARD TYPE:			HAZARDOUS	Y	EXTREMELY HAZARDOUS	N	EXEMPT	N
MATERIAL HANDLED AS:			SOLID		LIQUID	GAS	PURE	
REPORTING METHOD:			MIXTURE WT.		RM WT.			
PHYSICAL & HEALTH HAZARD CATEGORIES:			FIRE		SUDDEN RELEASE OF PRESSURE		REACTIVITY	
			IMMEDIATE (ACUTE)		DELAYED (CHRONIC)			
HAZRAW03				N	CHEMICAL 3			N
ADDITIONAL DESCRIPTION:								
HAZARD TYPE:			HAZARDOUS	Y	EXTREMELY HAZARDOUS	N	EXEMPT	N
MATERIAL HANDLED AS:			SOLID		LIQUID	GAS	PURE	
REPORTING METHOD:			MIXTURE WT.		RM WT.			
PHYSICAL & HEALTH HAZARD CATEGORIES:			FIRE		SUDDEN RELEASE OF PRESSURE		REACTIVITY	
			IMMEDIATE (ACUTE)		DELAYED (CHRONIC)			
HAZRAW04				N	CHEMICAL 4			N
ADDITIONAL DESCRIPTION:								
HAZARD TYPE:			HAZARDOUS	Y	EXTREMELY HAZARDOUS	N	EXEMPT	N
MATERIAL HANDLED AS:			SOLID		LIQUID	GAS	PURE	
REPORTING METHOD:			MIXTURE WT.		RM WT.			
PHYSICAL & HEALTH HAZARD CATEGORIES:			FIRE		SUDDEN RELEASE OF PRESSURE		REACTIVITY	
			IMMEDIATE (ACUTE)		DELAYED (CHRONIC)			
HAZRAW05		1A397		N	CHEMICAL 5			N
ADDITIONAL DESCRIPTION:								
HAZARD TYPE:			HAZARDOUS	Y	EXTREMELY HAZARDOUS	N	EXEMPT	N
MATERIAL HANDLED AS:			SOLID		LIQUID	GAS	PURE	
REPORTING METHOD:			MIXTURE WT.		RM WT.			
PHYSICAL & HEALTH HAZARD CATEGORIES:			FIRE	X	SUDDEN RELEASE OF PRESSURE	X	REACTIVITY	X
			IMMEDIATE (ACUTE)		DELAYED (CHRONIC)			
HAZRAW08		5045-35		Y	CHEMICAL 8			N
ADDITIONAL DESCRIPTION:								
HAZARD TYPE:			HAZARDOUS	Y	EXTREMELY HAZARDOUS		EXEMPT	
MATERIAL HANDLED AS:			SOLID		LIQUID	GAS	PURE	
REPORTING METHOD:			MIXTURE WT.		RM WT.			
PHYSICAL & HEALTH HAZARD CATEGORIES:			FIRE		SUDDEN RELEASE OF PRESSURE		REACTIVITY	

MATERIAL	SIZE	CAS#	TRADE SECRET	CHEMICAL NAME	CHEM NAME	TRADE SECRET
HAZRAW09		9996-07	Y	CHEMICAL 9		N
ADDITIONAL DESCRIPTION:						
HAZARD TYPE:			HAZARDOUS	Y EXTREMELY HAZARDOUS	EXEMPT	0
MATERIAL HANDLED AS:			SOLID	LIQUID	GAS	PURE
REPORTING METHOD:			MIXTURE WT.	RM WT.		
PHYSICAL & HEALTH HAZARD CATEGORIES:			FIRE	SUDDEN RELEASE OF PRESSURE		REACTIVITY
			IMMEDIATE (ACUTE)	DELAYED (CHRONIC)		
MATERIAL	SIZE	CAS#	TRADE SECRET	CHEMICAL NAME	CHEM NAME	TRADE SECRET
HAZRAW10		1A345	N	CHEMICAL 10		N
ADDITIONAL DESCRIPTION:						
HAZARD TYPE:			HAZARDOUS	Y EXTREMELY HAZARDOUS	EXEMPT	0
MATERIAL HANDLED AS:			SOLID	LIQUID	GAS	PURE
REPORTING METHOD:			MIXTURE WT.	RM WT.		
PHYSICAL & HEALTH HAZARD CATEGORIES:			FIRE	SUDDEN RELEASE OF PRESSURE		REACTIVITY
			IMMEDIATE (ACUTE)	DELAYED (CHRONIC)		
MATERIAL	SIZE	CAS#	TRADE SECRET	CHEMICAL NAME	CHEM NAME	TRADE SECRET
HAZRAW11			N	CHEMICAL 11		N
ADDITIONAL DESCRIPTION:						
HAZARD TYPE:			HAZARDOUS	Y EXTREMELY HAZARDOUS	EXEMPT	0
MATERIAL HANDLED AS:			SOLID	LIQUID	GAS	PURE
REPORTING METHOD:			MIXTURE WT.	RM WT.		
PHYSICAL & HEALTH HAZARD CATEGORIES:			FIRE	SUDDEN RELEASE OF PRESSURE		REACTIVITY
			IMMEDIATE (ACUTE)	DELAYED (CHRONIC)		
MATERIAL	SIZE	CAS#	TRADE SECRET	CHEMICAL NAME	CHEM NAME	TRADE SECRET
HAZRAW12			N	CHEMICAL 12		N
ADDITIONAL DESCRIPTION:						
HAZARD TYPE:			HAZARDOUS	Y EXTREMELY HAZARDOUS	N EXEMPT	0
MATERIAL HANDLED AS:			SOLID	LIQUID	GAS	PURE
REPORTING METHOD:			MIXTURE WT.	RM WT.		
PHYSICAL & HEALTH HAZARD CATEGORIES:			FIRE	SUDDEN RELEASE OF PRESSURE		REACTIVITY
			IMMEDIATE (ACUTE)	DELAYED (CHRONIC)		
MATERIAL	SIZE	CAS#	TRADE SECRET	CHEMICAL NAME	CHEM NAME	TRADE SECRET
RAW12			N			N
ADDITIONAL DESCRIPTION:						
HAZARD TYPE:			HAZARDOUS	Y EXTREMELY HAZARDOUS	N EXEMPT	0
MATERIAL HANDLED AS:			SOLID	LIQUID	GAS	PURE
REPORTING METHOD:			MIXTURE WT.	RM WT.		
PHYSICAL & HEALTH HAZARD CATEGORIES:			FIRE	SUDDEN RELEASE OF PRESSURE		REACTIVITY X
			IMMEDIATE (ACUTE)	X	DELAYED (CHRONIC)	X
***** END OF REPORT *****						

Printing the Audit File

Use the *Print Audit File* option to print a report that shows changes you made manually to the SARA Transaction file using the *Work with Transactions* option. The system does not print inventory adjustments you made using Infinium IC or Infinium PM.

Use the menu path below.

- ▶ *SARA Module*
 - ▼ *Print Audit File [PAF]*

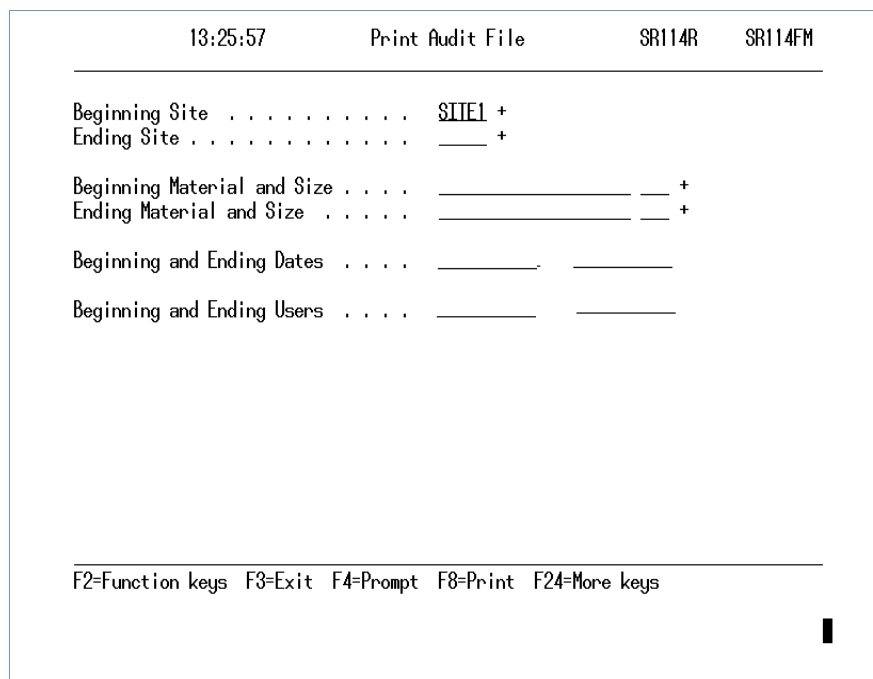


Figure 5-2: Print Audit File screen

To print entries in the SARA Transaction file for one site or material, type a site or material identifier in the *Beginning Site* and/or the *Beginning Material and Size* fields and press [Enter].

Complete the beginning and ending fields and press [Enter] to print transactions for a range of site codes or materials.

Beginning Date, Ending Date

The *Beginning Date* and *Ending Date* fields are required.

Press [F8] to print the report.

A sample report is shown on the next page.

SR114R SR114P S A R A A U D I T R E P O R T WMM
 1/19/02 13:25:32

 Beginning Site SITE1
 Ending Site
 Beginning Material and Size ALL
 Ending Material and Size
 Beginning and Ending Dates 01/01/2002 12/31/2002
 Beginning and Ending Users ALL

SR114R SR114P S A R A A U D I T R E P O R T PAGE 1
 1/19/02 13:25:32 WMM

 SITE SITE1
 MATERIAL HAZRAW04 SUM OF DAILY LBS PREVIOUS INFORMATION CURRENT INFORMATION
 DESCRIPTION ETHYL BENZENE MAX DAILY LBS 10000.0000 10000.0000
 USER WMM DATE OF MAX LBS 10000.0000 10000.0000
 DATE 01/09/2002 NO. DAYS ON SITE 07/23/2002 07/23/2002
 TIME 14:18:09 BEGINNING BALANCE 1 1
 RUNNING BALANCE 10000.0000 10000.0000
 RECORD CODE A A
 UPDATE DATE 07/24/2002
 UPDATE BY A

REASON
 FOR
 CHANGE

***** RECORDS SELECTED . . 000001
 ***** END OF REPORT *****

Printing Tier I and Tier II Reports

Because of the variations in regulatory requirements from state to state, Infinium Regulatory Management does not print the actual Tier I and Tier II reports that you submit to government agencies. Instead, the system prints the information you need to complete the required reports along with a worksheet showing how the numbers were derived.

Use the menu path below.

- ▶ *SARA Module*
 - ▼ *Print Tier I/II Reports [PTR]*

```
13:29:22      Print Tier I/II Reports      SRGTRB      SRDTRB
-----
Site . . . . . SITE1 +
Specify range values for report:
Starting Material and Size . . . _____ + ____
Ending Material and Size . . . . _____ + ____
Specify whether to override threshold quantity for:
Hazardous Materials . . . . . N      (Y=Yes, N=No)
Extremely Hazardous Materials . . N      (Y=Yes, N=No)
If overriding, specify Override Quantity for:
Hazardous Materials . . . . . _____ LB
Extremely Hazardous Materials . . _____ LB
Specify choice of report to be generated:
Tier I Report and Worksheet . . . Y      (Y=Yes, N=No)
Tier II Report and Worksheet . . Y      (Y=Yes, N=No)
-----
F2=Function keys F3=Exit F4=Prompt F5=Refresh F24=More keys
```

Figure 5-3: Print Tier I/II Reports screen

The *Site* field is required.

Starting Material and Size, Ending Material and Size

To print Tier I and Tier II information for a range of materials, complete the *Starting Material and Size* and *Ending Material and Size* fields and press [Enter]. If your company uses size code as part of the material identifier, complete the size when you

complete their corresponding material field. To print reports for all materials, leave these fields blank.

The *Size* portion of this field is used with hazardous products. Raw materials cannot have Size codes.

In the Infinium Regulatory Management Control files, you specify the threshold quantities for hazardous and extremely hazardous materials. You can override the threshold quantity for this report.

In the *Work with Hazardous Raw Matl* option, you can optionally change the threshold quantity for a particular material.

Press [Enter] to print the report and worksheet. Sample Tier I and II reports and worksheets are shown on the next pages.

SARA Tier I Worksheet

 SARA SECTION 312 1/19/02 13:30:31 WMM SRGT1WR SRTT1WR PAGE 1
 TIER ONE EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY
 AGGREGATE INFORMATION BY HAZARD TYPE
 ***** WORKSHEET *****

SITE: SITE1
 CO / WHSE: IS2/ISW2
 MATERIAL RANGE: TO
 HAZARDOUS MATERIALS: OVERRIDE THRESHOLD QTY / DEFAULT THRESHOLD QTY (LBS): /10000
 EXTREMELY HAZARDOUS MATERIALS: OVERRIDE THRESHOLD QTY / DEFAULT THRESHOLD QTY (LBS): / 500
 REPORTING PERIOD ENDING DATE: 12/31/2002

SECTION I: REPORTED CHEMICALS

HAZARD CLASS: FIRE
 CHEMICAL MAX DAILY AMT AVG DAILY AMT NUMBER OF
 (LBS) (LBS) DAYS
 HAZRAW05 82407 82407 162

 TOTALS: 82407 82407 162

HAZARD CLASS: PRESSURE
 CHEMICAL MAX DAILY AMT AVG DAILY AMT NUMBER OF
 (LBS) (LBS) DAYS
 HAZRAW05 82407 82407 162

 TOTALS: 82407 82407 162

HAZARD CLASS: REACTIVITY
 CHEMICAL MAX DAILY AMT AVG DAILY AMT NUMBER OF
 (LBS) (LBS) DAYS
 HAZRAW05 82407 82407 162
 RAW12 13184 9644 162

 TOTALS: 95591 92051 324

HAZARD CLASS: IMMEDIATE
 CHEMICAL MAX DAILY AMT AVG DAILY AMT NUMBER OF
 (LBS) (LBS) DAYS
 RAW12 13184 9644 162

SARA SECTION 312
 TIER ONE EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY
 AGGREGATE INFORMATION BY HAZARD TYPE
 ***** WORKSHEET *****

1/19/02 13:30:31 WMM SRGT1WR SRTT1WR PAGE 2

 SITE: SITE1
 CO / WHSE: IS2/ISW2
 MATERIAL RANGE: TO
 HAZARDOUS MATERIALS: OVERRIDE THRESHOLD QTY / DEFAULT THRESHOLD QTY (LBS): /10000
 EXTREMELY HAZARDOUS MATERIALS: OVERRIDE THRESHOLD QTY / DEFAULT THRESHOLD QTY (LBS): / 500
 REPORTING PERIOD ENDING DATE: 12/31/2002

HAZARD CLASS:	IMMEDIATE	MAX DAILY AMT (LBS)	AVG DAILY AMT (LBS)	NUMBER OF DAYS
CHEMICAL		13184	9644	162
TOTALS:		13184	9644	162
HAZARD CLASS:	DELAYED	MAX DAILY AMT (LBS)	AVG DAILY AMT (LBS)	NUMBER OF DAYS
CHEMICAL		13184	9644	162
RAW12		13184	9644	162
TOTALS:		13184	9644	162

SARA SECTION 312
TIER ONE EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY
AGGREGATE INFORMATION BY HAZARD TYPE
***** WORKSHEET *****

1/19/02 13:30:31 WMM

SRGT1WR

SRTT1WR

PAGE 3

SITE: SITE1
CO / WHSE: IS2/ISW2
MATERIAL RANGE: TO
HAZARDOUS MATERIALS: OVERRIDE THRESHOLD QTY / DEFAULT THRESHOLD QTY (LBS): /10000
EXTREMELY HAZARDOUS MATERIALS: OVERRIDE THRESHOLD QTY / DEFAULT THRESHOLD QTY (LBS): / 500
REPORTING PERIOD ENDING DATE: 12/31/2002

SECTION II: CHEMICALS NOT REPORTED
NON-HAZARDOUS

CHEMICAL
GOLF IRONS EA
GOLF KIT EA
GOLF WOODS EA
HAZRAW01R
HAZRAW06
HAZRAW07
PROD01
PROD02
PROD03
PROD10
PROD21
RAW01
RAW02
RAW03
RAW04
RAW05
RAW06
RAW07
RAW08
RAW11
RAW13
RAW14

SARA Tier I Report

 SARA SECTION 312 1/19/02 13:30:22 WMM SRGTR SRTT1R PAGE 1
 TIER ONE EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY
 AGGREGATE INFORMATION BY HAZARD TYPE

SITE: SITE1
 CO / WHSE: IS2/ISW2
 MATERIAL RANGE: TO
 HAZARDOUS MATERIALS: OVERRIDE THRESHOLD QTY / DEFAULT THRESHOLD QTY (LBS): /10000
 EXTREMELY HAZARDOUS MATERIALS: OVERRIDE THRESHOLD QTY / DEFAULT THRESHOLD QTY (LBS): / 500
 REPORTING PERIOD ENDING DATE: 12/31/2002

FACILITY IDENTIFICATION	EMERGENCY CONTACT
NAME: INFINIUM SOFTWARE SITE 1	NAME: ROBERT JONES
STREET ADDRESS: COMMUNICATIONS WAY	TITLE: PLANT MANAGER
CITY: HYANNIS STATE: MA ZIP: 02660	PHONE: (508) 778-2001
COUNTY: HYANNIS	24 HOUR PHONE: (508) 778-1313
SIC CODE: 24FF DUN & BRAD NUMBER: 324ALP-R	

OWNER/OPERATOR	EMERGENCY CONTACT
NAME: MR. JOHN SMITH	NAME: KAREN BROWN
MAIL ADDRESS: 1234 MAIN STREET	TITLE: ASST. PLANT MANAGER
CITY: HYANNIS	PHONE: (508) 778-2001
PHONE: (508) 778-2000	24 HOUR PHONE: (508) 778-1534

HAZARD TYPE	MAXIMUM AMOUNT	AVERAGE DAILY AMOUNT	NUMBER OF DAYS ON SITE
FIRE:	82407	82407	162
PRESSURE:	82407	82407	162
REACTIVITY:	95590	92050	162
IMMEDIATE:	13183	9643	162
DELAYED:	13183	9643	162

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SARA Tier II Worksheet

 SARA SECTION 312 1/19/02 13:30:29 WMM SRGT2WR SRTT2WR PAGE 1
 TIER TWO EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY
 SPECIFIC INFORMATION BY CHEMICAL
 ***** WORKSHEET *****

SITE: SITE1
 CO / WHSE: IS2/ISW2
 MATERIAL RANGE: TO
 HAZARDOUS MATERIALS: OVERRIDE THRESHOLD QTY / DEFAULT THRESHOLD QTY (LBS): /10000
 EXTREMELY HAZARDOUS MATERIALS: OVERRIDE THRESHOLD QTY / DEFAULT THRESHOLD QTY (LBS): / 500
 REPORTING PERIOD ENDING DATE: 12/31/2002

SECTION I: APPLICATION INFORMATION
 DATE RANGE

FROM	TO	APPLIED ON	MILESTONE? (Y=Yes, N=No)
01/01/2002	07/21/2002	07/23/2002	Y
07/22/2002	07/23/2002	07/24/2002	Y
07/24/2002	12/31/2002	01/12/2002	N

SECTION II: REPORTED CHEMICALS

HAZARD CLASS: FIRE

CHEMICAL	EHS?	SUM OF DAILY POUNDS	MAX DAILY POUNDS	DATE OF MAX AMT	NUMBER OF DAYS	BEGINNING BALANCE	LAST UPDATE DATE	UPDATE BY
HAZRAW05	N	13349947	82407	07/23/2002	162	82407	07/24/2002	A

HAZARD CLASS: PRESSURE

CHEMICAL	EHS?	SUM OF DAILY POUNDS	MAX DAILY POUNDS	DATE OF MAX AMT	NUMBER OF DAYS	BEGINNING BALANCE	LAST UPDATE DATE	UPDATE BY
HAZRAW05	N	13349947	82407	07/23/2002	162	82407	07/24/2002	A

HAZARD CLASS: REACTIVITY

CHEMICAL	EHS?	SUM OF DAILY POUNDS	MAX DAILY POUNDS	DATE OF MAX AMT	NUMBER OF DAYS	BEGINNING BALANCE	LAST UPDATE DATE	UPDATE BY
HAZRAW05	N	13349947	82407	07/23/2002	162	82407	07/24/2002	A
RAW12	N	1562265	13184	12/04/2002	162	23	01/12/2002	A

HAZARD CLASS: IMMEDIATE

CHEMICAL	EHS?	SUM OF DAILY POUNDS	MAX DAILY POUNDS	DATE OF MAX AMT	NUMBER OF DAYS	BEGINNING BALANCE	LAST UPDATE DATE	UPDATE BY
RAW12	N	1562265	13184	12/04/2002	162	23	01/12/2002	A

HAZARD CLASS: DELAYED

CHEMICAL	EHS?	SUM OF DAILY POUNDS	MAX DAILY POUNDS	DATE OF MAX AMT	NUMBER OF DAYS	BEGINNING BALANCE	LAST UPDATE DATE	UPDATE BY
RAW12	N	1562265	13184	12/04/2002	162	23	01/12/2002	A

SARA SECTION 312
 TIER TWO EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY
 SPECIFIC INFORMATION BY CHEMICAL
 ***** WORKSHEET *****

1/19/02 13:30:29 WMM SRGT2WR SRTT2WR PAGE 2

 SITE: SITE1
 CO / WHSE: IS2/ISW2
 MATERIAL RANGE: TO
 HAZARDOUS MATERIALS: OVERRIDE THRESHOLD QTY / DEFAULT THRESHOLD QTY (LBS): /10000
 EXTREMELY HAZARDOUS MATERIALS: OVERRIDE THRESHOLD QTY / DEFAULT THRESHOLD QTY (LBS): / 500
 REPORTING PERIOD ENDING DATE: 12/31/2002

SECTION III: CHEMICALS NOT REPORTED
 NON-HAZARDOUS

CHEMICAL
 GOLF IRONS EA
 GOLF KIT EA
 GOLF WOODS EA
 HAZRAW01R
 HAZRAW06
 HAZRAW07
 PROD01
 PROD02
 PROD03
 PROD10
 PROD21
 RAW01
 RAW02
 RAW03
 RAW04
 RAW05
 RAW06
 RAW07
 RAW08
 RAW11
 RAW13
 RAW14

•

SARA Tier II Report

SARA SECTION 312		1/19/02	13:30:22	WMM	SRGTR	SRTT2R	PAGE	1
TIER TWO		FACILITY IDENTIFICATION		OWNER/OPERATOR NAME				
EMERGENCY	NAME:	INFINIUM SOFTWARE SITE 1		NAME:		MR. JOHN SMITH		
AND	STREET ADDRESS:	COMMUNICATIONS WAY		ADDRESS:		1234 MAIN STREET		
HAZARDOUS	CITY:	HYANNIS	STATE:	MA	ZIP	02660	CITY:	HYANNIS
MATERIAL	COUNTY:	HYANNIS		PHONE:	(508) 778-2000			
INVENTORY	SIC CODE:	24FF	DUN & BRAD NUMBER:		324ALP-R			
SPECIFIC INFORMATION BY CHEMICAL				EMERGENCY CONTACTS:				
				NAME:	ROBERT JONES	TITLE:	PLANT MANAGER	
				PHONE:	(508) 778-2001	24 HR	PHONE:	(508) 778-1313
				NAME:	KAREN BROWN	TITLE:	ASST. PLANT MANAGER	
				PHONE:	(508) 778-2001	24 HR	PHONE:	(508) 778-1534

SITE: SITE1
 CO / WHSE: IS2/ISW2
 MATERIAL RANGE: TO
 HAZARDOUS MATERIALS: OVERRIDE THRESHOLD QTY / DEFAULT THRESHOLD QTY (LBS): /10000
 EXTREMELY HAZARDOUS MATERIALS: OVERRIDE THRESHOLD QTY / DEFAULT THRESHOLD QTY (LBS): / 500
 REPORTING PERIOD ENDING DATE: 12/31/2002

CHEMICAL DESCRIPTION	TRADE	PHYSICAL	INVENTORY	PHYSICAL LOCATIONS
	SECRET	AND HEALTH		
	Y/N	HAZARDS		
CAS#:	N	HAZRAW02		
CHEMICAL NAME:		MAX	114627	
CHEMICAL 2	N	AVG	97334	
		DAYS	162	
HANDLING METHODS:				
CAS#:	N	HAZRAW03		
CHEMICAL NAME:		MAX	10345	
CHEMICAL 3	N	AVG	10141	
		DAYS	162	
HANDLING METHODS:				
CAS#:	N	HAZRAW04		
CHEMICAL NAME:		MAX	10000	
CHEMICAL 4	N	AVG	10000	
		DAYS	162	
HANDLING METHODS:				
CAS#:	N	F	HAZRAW05	
CHEMICAL NAME:		S	MAX	82407
CHEMICAL 5	N	R	AVG	82407
		DAYS	162	

F = FIRE S = PRESSURE R = REACTIVITY I = IMMEDIATE D = DELAYED P = PURE M = MIXTURE S = SOLID L = LIQUID G = GAS E = EXEMPT

SARA SECTION 312
 TIER TWO FACILITY IDENTIFICATION
 EMERGENCY NAME: INFINIUM SOFTWARE SITE 1
 AND STREET ADDRESS: COMMUNICATIONS WAY
 HAZARDOUS CITY: HYANNIS STATE: MA ZIP 02660
 MATERIAL COUNTY: HYANNIS
 INVENTORY SIC CODE: 24FF DUN & BRAD NUMBER: 324ALP-R

1/19/02 13:30:22 WMM SRGTR SRTT2R PAGE 2

OWNER/OPERATOR NAME
 NAME: MR. JOHN SMITH
 ADDRESS: 1234 MAIN STREET
 CITY: HYANNIS STATE: MA ZIP 02660
 PHONE: (508) 778-2000

SPECIFIC INFORMATION BY CHEMICAL

EMERGENCY CONTACTS:
 NAME: ROBERT JONES TITLE: PLANT MANAGER
 PHONE: (508) 778-2001 24 HR PHONE: (508) 778-1313
 NAME: KAREN BROWN TITLE: ASST. PLANT MANAGER
 PHONE: (508) 778-2001 24 HR PHONE: (508) 778-1534

 SITE: SITE1
 CO / WHSE: IS2/ISW2
 MATERIAL RANGE: TO
 HAZARDOUS MATERIALS: OVERRIDE THRESHOLD QTY / DEFAULT THRESHOLD QTY (LBS): /10000
 EXTREMELY HAZARDOUS MATERIALS: OVERRIDE THRESHOLD QTY / DEFAULT THRESHOLD QTY (LBS): / 500
 REPORTING PERIOD ENDING DATE: 12/31/2002

CHEMICAL DESCRIPTION	TRADE SECRET Y/N	PHYSICAL AND HEALTH HAZARDS	INVENTORY	PHYSICAL LOCATIONS
CAS#: 5045-35	Y	HAZRAW08		
CHEMICAL NAME:		MAX	65287	
CHEMICAL 8	N	AVG	65287	
		DAYS	162	
HANDLING METHODS:				
CAS#: 9996-07	Y	HAZRAW09		
CHEMICAL NAME:		MAX	73047	
CHEMICAL 9	N	AVG	73047	
		DAYS	162	
HANDLING METHODS:				
CAS#: 1A345	N	HAZRAW10		
CHEMICAL NAME:		MAX	80226	
CHEMICAL 10	N	AVG	77170	
		DAYS	162	
HANDLING METHODS:				
CAS#:	N	HAZRAW11		
CHEMICAL NAME:		MAX	10000	
CHEMICAL 11	N	AVG	10000	
		DAYS	162	

 F = FIRE S = PRESSURE R = REACTIVITY I = IMMEDIATE D = DELAYED P = PURE M = MIXTURE S = SOLID L = LIQUID G = GAS E = EXEMPT

SARA SECTION 312
 TIER TWO FACILITY IDENTIFICATION
 EMERGENCY NAME: INFINIUM SOFTWARE SITE 1
 AND STREET ADDRESS: COMMUNICATIONS WAY
 HAZARDOUS CITY: HYANNIS STATE: MA ZIP 02660
 MATERIAL COUNTY: HYANNIS
 INVENTORY SIC CODE: 24FF DUN & BRAD NUMBER: 324ALP-R

1/19/02 13:30:22 WMM SRGTR SRTT2R PAGE 3

OWNER/OPERATOR NAME
 NAME: MR. JOHN SMITH
 ADDRESS: 1234 MAIN STREET
 CITY: HYANNIS STATE: MA ZIP 02660
 PHONE: (508) 778-2000

SPECIFIC INFORMATION BY CHEMICAL

EMERGENCY CONTACTS:
 NAME: ROBERT JONES TITLE: PLANT MANAGER
 PHONE: (508) 778-2001 24 HR PHONE: (508) 778-1313
 NAME: KAREN BROWN TITLE: ASST. PLANT MANAGER
 PHONE: (508) 778-2001 24 HR PHONE: (508) 778-1534

 SITE: SITE1
 CO / WHSE: IS2/ISW2
 MATERIAL RANGE: TO
 HAZARDOUS MATERIALS: OVERRIDE THRESHOLD QTY / DEFAULT THRESHOLD QTY (LBS): /10000
 EXTREMELY HAZARDOUS MATERIALS: OVERRIDE THRESHOLD QTY / DEFAULT THRESHOLD QTY (LBS): / 500
 REPORTING PERIOD ENDING DATE: 12/31/2002

CHEMICAL DESCRIPTION	TRADE SECRET Y/N	PHYSICAL AND HEALTH HAZARDS	INVENTORY	PHYSICAL LOCATIONS
CAS#:	N	HAZRAW12		
CHEMICAL NAME:		MAX	76038	
CHEMICAL 12	N	AVG	76036	
		DAYS	162	
HANDLING METHODS:				
CAS#:	N	R RAW12		
CHEMICAL NAME:		I MAX	13183	
	N	D AVG	9643	
		DAYS	162	

HANDLING METHODS:

 F = FIRE S = PRESSURE R = REACTIVITY I = IMMEDIATE D = DELAYED P = PURE M = MIXTURE S = SOLID L = LIQUID G = GAS E = EXEMPT
 .

Printing the SARA Dates File

Use the *Print SARA Dates File* option to print the Date file for each site. The Date file contains every day of the year for every site and shows when inventory was applied and whether a milestone was created.

Use the menu path below.

- ▶ *SARA Module*
 - ▼ *Print SARA Dates File* [PSARADF]

When you select this option, the system prints the report. No screen is displayed with this option.

The first page of a sample report is shown on the next page.

SRGSDP SRTSDP
1/19/02 13:37:03

S A R A D A T E P R I N T

WMM

NO REPORT SELECTIONS APPLY

SRGSDP SRTSDP
PAGE 1
1/19/02 13:37:03

S A R A D A T E P R I N T

WMM

SARA SITE ID	CALENDAR DATE	DATE INVENTORY APPLIED	MILESTONE CREATED (Y=Yes, N=No)
SITE1	01/01/2002	07/23/2002	N
SITE1	01/02/2002	07/23/2002	N
SITE1	01/03/2002	07/23/2002	N
SITE1	01/04/2002	07/23/2002	N
SITE1	01/05/2002	07/23/2002	N
SITE1	01/06/2002	07/23/2002	N
SITE1	01/07/2002	07/23/2002	N
SITE1	01/08/2002	07/23/2002	N
SITE1	01/09/2002	07/23/2002	N
SITE1	01/10/2002	07/23/2002	N
SITE1	01/11/2002	07/23/2002	N
SITE1	01/12/2002	07/23/2002	N
SITE1	01/13/2002	07/23/2002	N
SITE1	01/14/2002	07/23/2002	N
SITE1	01/15/2002	07/23/2002	N
SITE1	01/16/2002	07/23/2002	N
SITE1	01/17/2002	07/23/2002	N
SITE1	01/18/2002	07/23/2002	N
SITE1	01/19/2002	07/23/2002	N
SITE1	01/20/2002	07/23/2002	N
SITE1	01/21/2002	07/23/2002	N
SITE1	01/22/2002	07/23/2002	N
SITE1	01/23/2002	07/23/2002	N
SITE1	01/24/2002	07/23/2002	N
SITE1	01/25/2002	07/23/2002	N
SITE1	01/26/2002	07/23/2002	N
SITE1	01/27/2002	07/23/2002	N
SITE1	01/28/2002	07/23/2002	N
SITE1	01/29/2002	07/23/2002	N
SITE1	01/30/2002	07/23/2002	N
SITE1	01/31/2002	07/23/2002	N
SITE1	02/01/2002	07/23/2002	N
SITE1	02/02/2002	07/23/2002	N
SITE1	02/03/2002	07/23/2002	N
SITE1	02/04/2002	07/23/2002	N
SITE1	02/05/2002	07/23/2002	N
SITE1	02/06/2002	07/23/2002	N
SITE1	02/07/2002	07/23/2002	N
SITE1	02/08/2002	07/23/2002	N
SITE1	02/09/2002	07/23/2002	N
SITE1	02/10/2002	07/23/2002	N
SITE1	02/11/2002	07/23/2002	N
SITE1	02/12/2002	07/23/2002	N
SITE1	02/13/2002	07/23/2002	N
SITE1	02/14/2002	07/23/2002	N
SITE1	02/15/2002	07/23/2002	N
SITE1	02/16/2002	07/23/2002	N
SITE1	02/17/2002	07/23/2002	N
SITE1	02/18/2002	07/23/2002	N
SITE1	02/19/2002	07/23/2002	N
SITE1	02/20/2002	07/23/2002	N

Notes

Part 6

Printing Infinium Laboratory Management Reports

6

The part consists of the following topics:

Topic	Page
Printing the Formula Comparison Listing	6-2
Printing Formula Breakdowns	6-5
Printing the Breakdown Code Listing	6-10
Printing the Indented Formula Listing	6-15
Printing the Formula Details Report	6-18
Printing Formula Analysis Reports	6-22
Recalculating Chemical Properties Summary/ Exception Reports	6-29

Printing the Formula Comparison Listing

The Formula Comparison Listing is a side-by-side comparison of two formulas that the system has rebulked according to your specifications.

Use the menu path below.

- ▼ *Display/Print Formula Comparison* [DPFC]

```
13:06:43  Display/Print Formula Comparison  PRGFC  PRDFC
-----
Formula 1
Company . . . . . _____ +
Warehouse . . . . . _____ +
Formula . . . . . _____ +
FBE Code . . . . . _____ +
Formula 2
Company . . . . . _____ +
Warehouse . . . . . _____ +
Formula . . . . . _____ +
FBE Code . . . . . _____ +
Rebulking option . . . . . 0 0=No Rebulking;
                               1=Rebulk Formula 1;
                               2=Rebulk Formula 2;
                               3=Rebulk both

If Rebulking both Formulas, provide additional information
New Yield . . . . . _____
New Unit of Measure . . . . . _____ +
-----
F2=Function keys  F3=Exit  F4=Prompt  F10=QuikAccess  F18=Message line
```

Figure 6-1: Display/Print Formula Comparison prompt screen

You must complete the Formula 1 and Formula 2 sections with the two formulas you are comparing.

Company, Warehouse

If you have implemented formula by location, specify the company and warehouse that identifies the instance of each of the formulas you are comparing.

Formula

Specify the formula for each instance you are comparing.

FBE Code

For each of the formulas you are comparing, specify the FBE code value that identifies the instance of the formula you want to compare.

Rebulking Option

Specify the rebulking option. You can rebulk one, both or neither of the formulas.

New Yield, New Unit of Measure

To have the system rebulk both formulas, you must complete the *New Yield* and *New Unit of Measure* fields. The Master Formula file is not affected when you use this option to rebulk formulas.

Press [Enter] to continue.

14:01:16		Display/Print Formula Comparison		PRGFC	PRDFC
Formula 1 : FORM01					View: >
Line	Material and Size Code	Quantity	UM	Other	Quantity UM
10	RAW01	30.0000	GL		249.9000 LB
20	RAW11	40.0000	LB		4.2105 GL
30	HAZRAW08	34.0000	GL		221.0000 LB
40	HAZRAW01	12.0000	GL		101.4000 LB
50	HAZRAW10	5.0000	GL		37.5000 LB
More...					
Tot Wt	768.6000 LB	Tot Vol	100.2105 GL		
Formula 2 : FORM04					
10	HAZRAW10	6.0000	GL		45.0000 LB
20	RAW01	2.0000	GL		16.6600 LB
30	HAZRAW02	2.0000	GL		14.0000 LB
40					
50					
More...					
Tot Wt	75.6600 LB	Tot Vol	10.0000 GL		
F2=Function keys F3=Exit F8=Print F10=QuikAccess F24=More keys					

Figure 6-2: Display/Print Formula Comparison screen

This screen displays the comparison of the two formulas you selected.

Press [F8] to print the listing.

A sample Formula Comparison Listing is shown on the next page.

PRGFC PRTFC

FORMULA COMPARISON LISTING

12/08/02 14:01:45
WMM

Company
Warehouse
Formula 1 Regular Formula
FBE Code
Company
Warehouse
Formula 2 Raw Material Breakdown Formula
FBE Code
Rebulking option
Formula 2
Rebulking option 0

0=No Rebulking;
1=Rebulk Formula 1;
2=Rebulk Formula 2;
3=Rebulk both

PRGFC PRTFC
PAGE
12/08/02 14:01:45
WMM

FORMULA COMPARISON LISTING

FORMULA 1 : FORM01					FORMULA 2 : FORM04					
SEQ	MATERIAL AND SIZE CODE	QUANTITY	UM	QTY IN LB	QTY IN GL	MATERIAL AND SIZE CODE	QUANTITY	UM	QTY IN LB	QTY IN GL
10	RAW01	30.0000	GL	249.9000	30.0000	HAZRAW10	6.0000	GL	45.0000	6.0000
	WATER					TOULENE				
20	RAW11	40.0000	LB	40.0000	4.2105	RAW01	2.0000	GL	16.6600	2.0000
	ABSORBENT PELLENTS					WATER				
30	HAZRAW08	34.0000	GL	221.0000	34.0000	HAZRAW02	2.0000	GL	14.0000	2.0000
	AROMATIC					XYLENE				
40	HAZRAW01	12.0000	GL	101.4000	12.0000					
	ALCOHOL									
50	HAZRAW10	5.0000	GL	37.5000	5.0000					
	TOULENE									
60	HAZRAW05	10.0000	GL	82.3000	10.0000					
	CHLORINE									
70	HAZRAW09	5.0000	GL	36.5000	5.0000					
	FORMALDEHYDE									
	TOTAL			768.6000	100.2105	TOTAL			75.6600	10.0000

***** END OF REPORT *****

Printing Formula Breakdowns

You can use the *Display/Print Formula Breakdown* option to view a two-level breakdown of a formula and to print a three-level Formula Breakdown Listing.

The Breakdown Display shows ingredient quantities at two nested levels. You define these levels with the first and second digits of the breakdown codes.

You establish breakdown codes using the *Work with Breakdown Codes* option. Each raw material or resource has a breakdown code.

The table below shows an example of defining, assigning and displaying of breakdown codes.

Breakdown Code	Breakdown Description/Type	Breakdown Display Information
AAX	Additive, anti-cake, type X	The total quantity of anti-cake additives (AAX plus AAZ) on one line.
AAZ	Additive, anti-cake, type Z	The total quantity of defoamer additives (ADW) on a second line.
ADW	Additive, defoamer, type W	The total quantity of all additives (AAX, AAZ, and ADW) on a third line.

If you define and assign breakdown codes for resins and colorants, the system displays quantities for those codes as well. Thus, you can use the Breakdown Display to understand the quantity of ingredients in each meaningful category that you define as a breakdown code.

The Formula Breakdown Listing shows the same information as the Breakdown Display, except that it prints information at the three nested levels that the three-digit breakdown codes define. The report also lists percentages and quantities at each level, rather than quantities alone.

On the Formula Breakdown listing, the Level 2 column shows total quantities for all ingredients assigned to breakdown codes with the same first two digits. The Level 1 column shows total quantities for all ingredients assigned to breakdown codes with the same first digit.

Use the menu path below.

▼ *Display/Print Formula Breakdown [DPFB]*

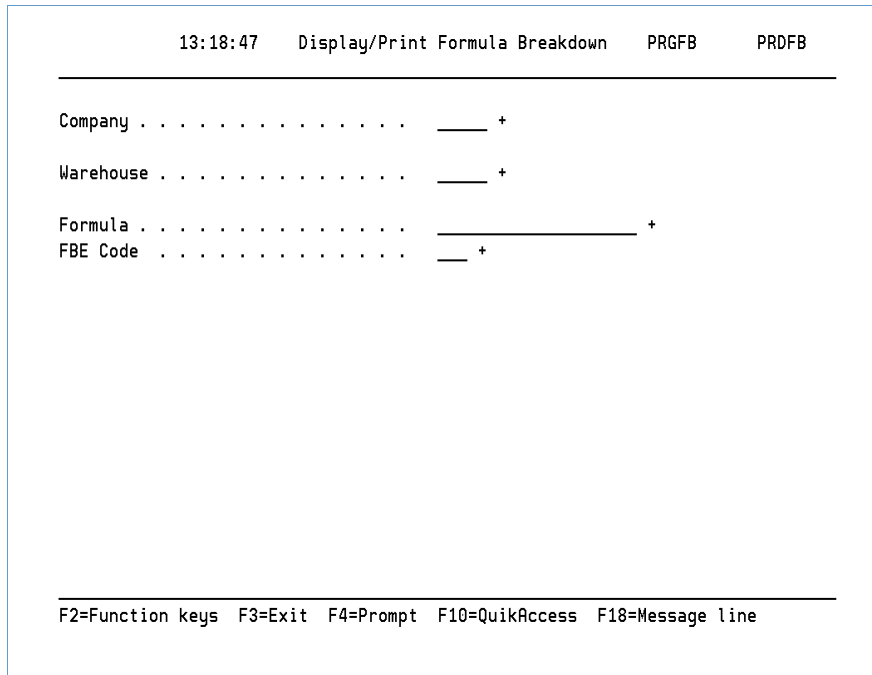


Figure 6-3: Display/Print Formula Breakdown prompt screen

Company, Warehouse

If you have implemented formula by location, specify the company and warehouse that identifies the instance of the formula to use.

Formula

Type the formula you want to display or print in the *Formula* field.

FBE Code

If you have multiple instances of a formula, specify the FBE code value that identifies the instance you want to use.

Press [Enter] to continue to the next page.

14:14:50		Display/Print Formula Breakdown	PRGFB	PRDFB
Formula : FORM04				View: >
RAW MATERIAL BREAKDOWN FORMULA				
Breakdown Category		Qty in LB		Qty in GL
#		75.6600 *		10.0000 *
##		75.6600		10.0000
###		75.6600		10.0000
Total		75.6600 *		10.0000 *
F2=Function keys F3=Exit F8=Print F10=QuikAccess F24=More keys				

Figure 6-4: Display/Print Formula Breakdown screen

If you have not assigned a breakdown code to any quantities for ingredients, the Breakdown Category column displays with a #.

Press [F3] to return to the main menu, or [F12] to return to the Display/Print Formula Breakdown prompt screen.

Press [F20] to view corresponding percentages in more detail. The Formula Breakdown Percentages screen is shown next.

Press [F8] to print the listing from this screen.

14:15:22		Display/Print Formula Breakdown		PRGFB	PRDFB
Formula : FORM04					View: <
RAW MATERIAL BREAKDOWN FORMULA					
Breakdown Category		% LB	*	% GL	*
#		100.00	*	100.00	*
##		100.00		100.00	
###		100.00		100.00	
Total		100.00	*	100.00	*
F2=Function keys F3=Exit F8=Print F10=QuikAccess F24=More keys					

Figure 6-5: Display/Print Formula Breakdown percentages screen

Formula Breakdown Percentages

This screen displays the percentages that correspond to the quantities on the Display/Print Formula Breakdown screen.

If a formula has products as part of its ingredients, the totals on this screen may be less than 100%. The system does not process product ingredients during breakdown code analysis. A sample Formula Breakdown Listing is shown on the next page.

PRGFB PRTFB

FORMULA BREAKDOWN LISTING

12/08/02 14:15:11
WMM

```

-----
Company
Warehouse
Formula . . . . . FORM04
FBE Code . . . . .
PRGFB PRTFB
PAGE
12/08/02 14:15:11
WMM
-----
FORMULA BREAKDOWN LISTING

```

```

-----
FORMULA . . . . . : FORM04          RAW MATERIAL BREAKDOWN FORMULA
UNIT OF MEASURE . . . . . : GL
-----
LEVEL 1 -----
-----
LEVEL 2 -----
-----
LEVEL 3 -----
BREAKDOWN CATEGORY
QTY IN LB   QTY IN GL   % LB   % GL   QTY IN LB   QTY IN GL   % LB   % GL
#           ##           ###
75.6600    10.0000    100.00  100.00  75.6600    10.0000    100.00  100.00
TOTAL ***  75.6600    10.0000
-----
***** END OF REPORT *****

```

Printing the Breakdown Code Listing

The Breakdown Code Listing shows the breakdown codes and descriptions that are in the Breakdown Codes file. The system displays the description for only one code at a time. You can print one or all breakdown codes, depending on the screen from which you initiate the print request.

You can also display or print breakdown codes using the *Work with Breakdown Codes* and *Display Breakdown Codes* options.

Use the menu path below.

▼ *Print Breakdown Codes* [PBC]

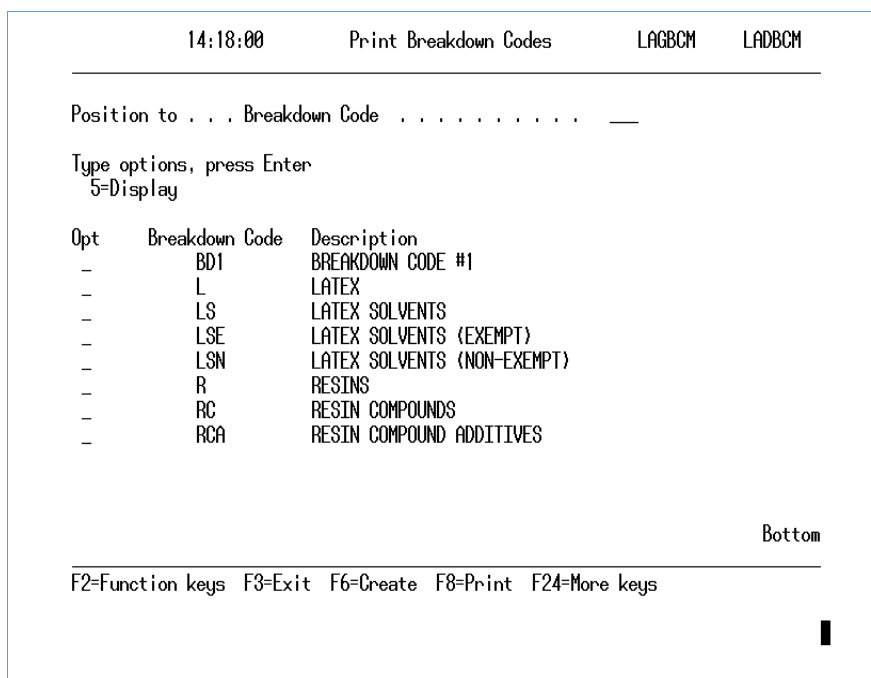


Figure 6-6: Print Breakdown Codes selection screen

This screen displays the entire list of breakdown codes and their descriptions.

To display and/or print a breakdown code description, type **5** in the *Opt* field to select a breakdown code to view.

[F6] (**Create**) and [F22] (**Delete**) are not valid function keys on this screen.

Press [F8] to print the entire Breakdown Code file.

A sample Breakdown Code Listing is shown on the next page.

LAGBCM LATBC

BREAKDOWN CODE LISTING

PAGE 1

12/08/02 14:18:00

BREAKDOWN	CODE	DESCRIPTION
BD1		BREAKDOWN CODE #1
L		LATEX
LS		LATEX SOLVENTS
LSE		LATEX SOLVENTS (EXEMPT)
LSN		LATEX SOLVENTS (NON-EXEMPT)
R		RESINS
RC		RESIN COMPOUNDS
RCA		RESIN COMPOUND ADDITIVES

***** RECORDS SELECTED . . 000008

***** END OF REPORT *****

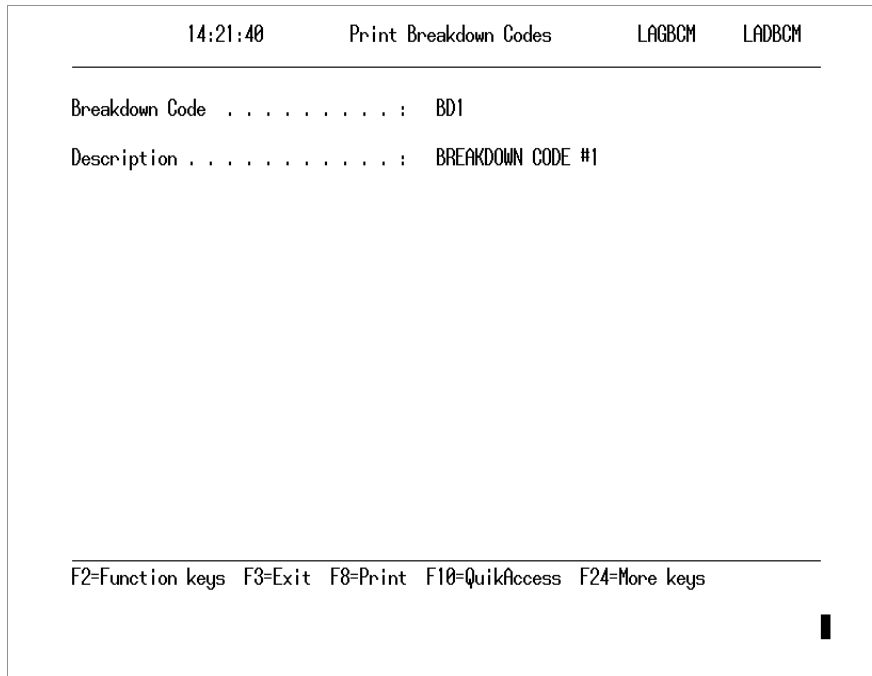


Figure 6-7: Print Breakdown Codes description screen

Printing Breakdown Code Descriptions

The system displays this screen if you typed **5** on the Print Breakdown Codes selection screen. This screen shows the description for the breakdown code you selected.

Description

Description is a display only field.

Press [F8] to print the description for this breakdown code.

A sample Breakdown Code Listing is shown on the next page.

LAGBCM LATBC

BREAKDOWN CODE LISTING

PAGE 1

12/08/02 14:21:07

BREAKDOWN CODE	DESCRIPTION
BD1	BREAKDOWN CODE #1
	***** RECORDS SELECTED . . 000001
	***** END OF REPORT *****

Printing the Indented Formula Listing

The Indented Formula Listing shows the expanded or exploded view of a formula by listing ingredients for up to ten levels of intermediates.

Use the menu path below.

- ▼ *Print Indented Formula List* [PIFL]

```
14:32:22      Print Indented Formula List      PRGFI      PRDFI
-----
Company . . . . . _____ +
Warehouse . . . . . _____ +
Include Lower Levels . . . . . Y (Y=Yes, N=No)

Specify range of Formulas:
Beginning Formula . . . . . _____ +
Ending Formula . . . . . _____ +

Or,
Product . . . . . _____ ___ +

Processing Option . . . . . 2 (1=Interactive, 2=Batch)
Effective Instances only . . . . . : Y (Y=Yes, N=No)

-----
F2=Function keys  F3=Exit  F4=Prompt  F8=Print  F24=More keys
```

Figure 6-8: Print Indented Formula List prompt screen

Formula Selection Criteria

To print the Indented Formula listing for one formula, complete the *Beginning Formula* field. To print the listing for a range of formulas, complete both the *Beginning Formula* and *Ending Formula* fields.

Effective Instances only

The system selects only the instance that is currently in effect as of the system date for each formula in the range you specified.

This field is display-only and cannot be changed.

Formula by Location

Company, *Warehouse* and *Include Lower Levels* are used to further define the formula selection criteria for the range of formulas specified in *Beginning Formula* and *Ending Formula*. The tables below describe the various formula selection criteria for printing the report for effective instances.

Use the table below to specify the selection criteria for only the formula that is currently in effect as of the system date for each formula in the range you specified.

To print...	You must...
Formula instances for a specific warehouse	Specify <i>Company</i> and <i>Warehouse</i> Type either Y or N in <i>Include Lower Levels</i>
Formula instances for a specific company and all of its warehouses	Specify <i>Company</i> Leave <i>Warehouse</i> blank Type Y in <i>Include Lower Levels</i>
All Formula instances including the entity formulas	Leave <i>Company</i> and <i>Warehouse</i> blank Type Y in <i>Include Lower Levels</i>
Company formula instances only	Specify <i>Company</i> Leave <i>Warehouse</i> blank Type N in <i>Include Lower Levels</i>
Entity formula instances only	Leave <i>Company</i> and <i>Warehouse</i> blank Type N in <i>Include Lower Levels</i>

If you complete the *Product* field, the system prints the report for the formula that the product uses.

Press [F8] to print the report.

A sample Indented Formula Listing is shown on the next page.

PRGFI PRTFI

INDENTED FORMULA LISTING

1/23/02 15:02:45
WMM

```

-----
Company                IS1
Warehouse              ISW1
Include Lower Levels   Yes
Beginning Formula Number  FORM03
Ending Formula Number   FORM03
Effective Instances Only Yes
Product . . . . .

```

PRGFI PRTFI
PAGE
1/23/02 15:02:45
WMM

INDENTED FORMULA LISTING

```

-----
FORMULA . . . . . : FORM03
UNIT OF MEASURE . . . . . : LB

```

REGULAR FORMULA 3 - APPLE PIE

LEVEL 1				OTHER LEVELS			
COMPONENT	DESCRIPTION	QTY IN LB	QTY IN GL	LEVEL	COMPONENT	DESCRIPTION	QTY IN LB
RAW07	APPLES	4.0000	.4494				
RAW13	RED DYE	1.0000	.1200				
RAW01	WATER	33.3200	4.0000				
FORM05	INTERMEDIATE FORM1 - CHE	12.0000	1.4788				
1.1289				2.....	RAW01	WATER	9.4035
.1411				2.....	RAW02	FLOUR	1.1289
.0148				2.....	RAW03	BUTTER	.1129
.1188				2.....	RAW04	SUGAR	.7902
.0753				2.....	RAW08	CHERRIES	.5644
Y				2.....	RAW19	LABOR	.1129 HR

```

-----
***** RECORDS SELECTED . . 50.3200 6.0482
***** END OF REPORT *****

```

Printing the Formula Details Report

The Formula Details Report lists formula information from the Formula Header Information, Ingredients and Instructions, and Descriptive Information screens.

Use the menu path below.

- ▼ *Work with Formula Analysis* [WWFA]

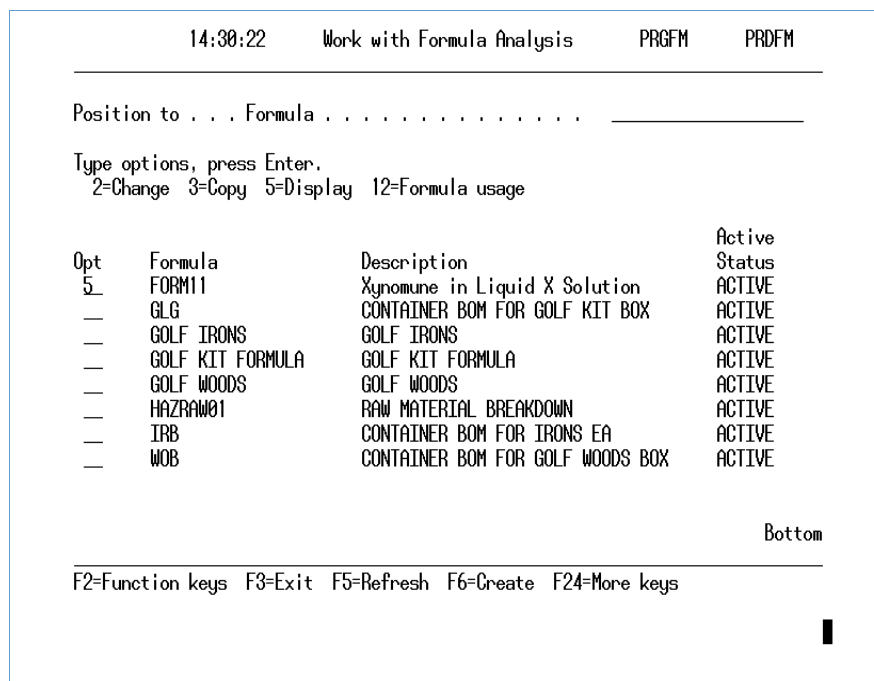


Figure 6-9: Work with Formula selection screen

Type **5** in the *Opt* field to select a formula and press [Enter].

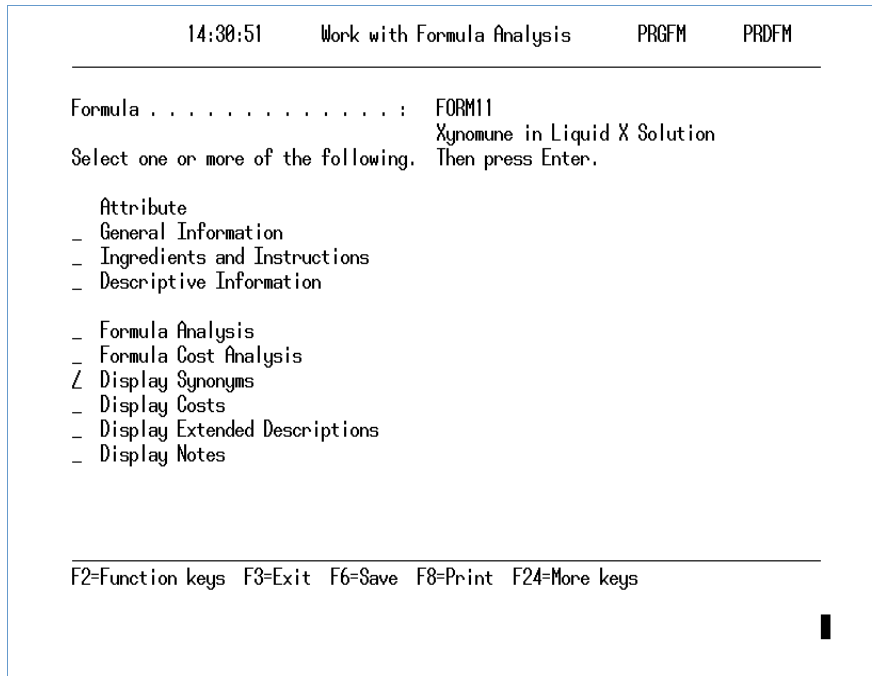


Figure 6-10: Work with Formula attribute screen

Type any character next to the Display Synonyms attribute and press [Enter].

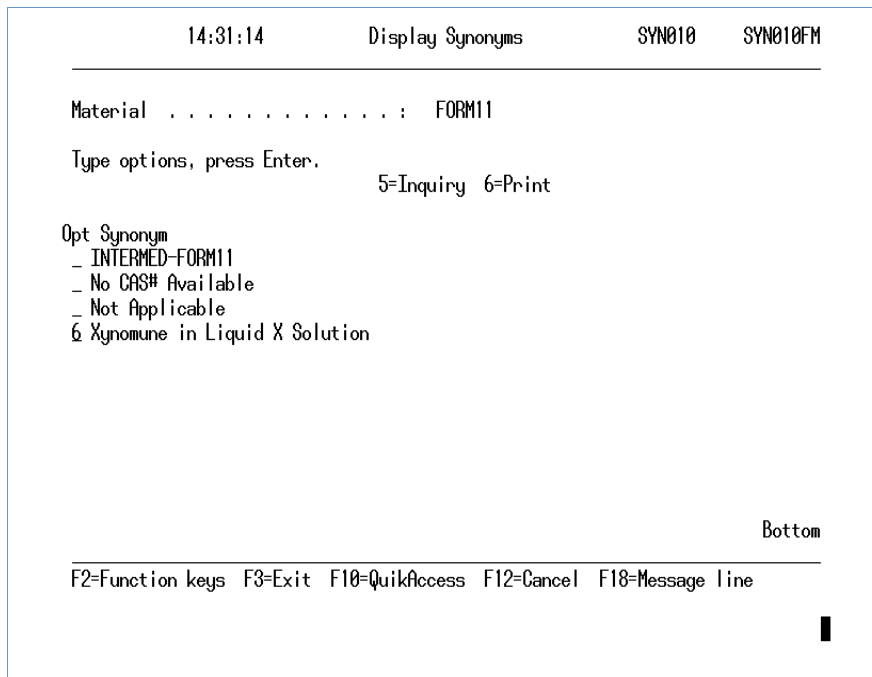


Figure 6-11: Display Synonyms screen

Displaying Synonyms

Type **6** in the *Opt* field to select a Synonym and press [Enter] to print the report.

A sample Formula Details report is shown on the next page.

PSR220 PSR220PR
 12/08/02 14:31:59
 WMM

FORMULA DETAILS REPORT

Beginning Formula FORM11
 Ending Formula
 Beginning Product Category
 Ending Product Category
 Formula Class to Report ALL

PSR220 PSR220PR
 PAGE
 12/08/02 14:31:59
 WMM

FORMULA DETAILS REPORT

COMPANY AND WAREHOUSE LOCATION . . : IS1 ISW1
 FORMULA : FORM11 Xynomune in Liquid X Solution FVR# : 0002
 ACTIVE CODE : 1 ACTIVE ESTABLISHED YIELD :
 CLASS : 1 FORMULA ESTABLISHED WEIGHT PER VOLUME :
 UNIT OF MEASURE : GL CALCULATED WEIGHT PER VOLUME : 9.66178
 PERCENTAGE LOSS : CHEMICAL PROPERTIES OVERRIDE :
 CLINGAGE LOSS : COST OVERRIDE FORMULA :
 FORMULA QC TYPE : CON CONCENTRATION TEST MSDS OVERRIDE FORMULA :
 LABEL CODE : ROUGH CUT CAPACITY PLANNING FORMULA . . :
 FORMULA LAST REVISION DATE . . . : 00/00/0000 REVISION CODE AND INITIALS :

INGREDIENTS AND INSTRUCTIONS

ING CRITICAL	SEQ	INGREDIENT	WEIGHT/ VOLUME	-- SOLID -- QUANTITY UM	-- LIQUID -- QUANTITY UM	SOLID - BASE QUANTITY UM	LIQUID - BASE QUANTITY UM	DESCRIPTION	FIX
N	10 R	RAW11	9.50000	230.3332 LB	24.2456 GL	230.3332 LB	24.2456 GL	ABSORBENT PELLENTS	
N	20 R	RAW12	9.70000	319.4550 LB	32.9335 GL	319.4550 LB	32.9335 GL	SOIL	
N	30 R	RAW13	8.33000	648.0482 LB	77.7969 GL	648.0482 LB	77.7969 GL	RED DYE	
N	40 R	RAW14	8.33000	125.1499 LB	15.0240 GL	125.1499 LB	15.0240 GL	WHITE DYE	
N	50 R	RAW15		126.2808 LB	GL	126.2808 LB	GL	CASE	
			9.66178	ACCUMULATED TOTALS		1449.2671 LB	150.0000 GL		
			9.66178	ESTABLISHED TOTALS		LB	GL		
				CALCULATED TOTALS		LB	GL		

***** END OF REPORT *****

Printing Formula Analysis Reports

You use the *Work with Formula Analysis* option to print the Formula Listing, Formula Analysis report and Formula Worksheet.

Use the menu path below.

- ▼ *Work with Formula Analysis* [WWFA]

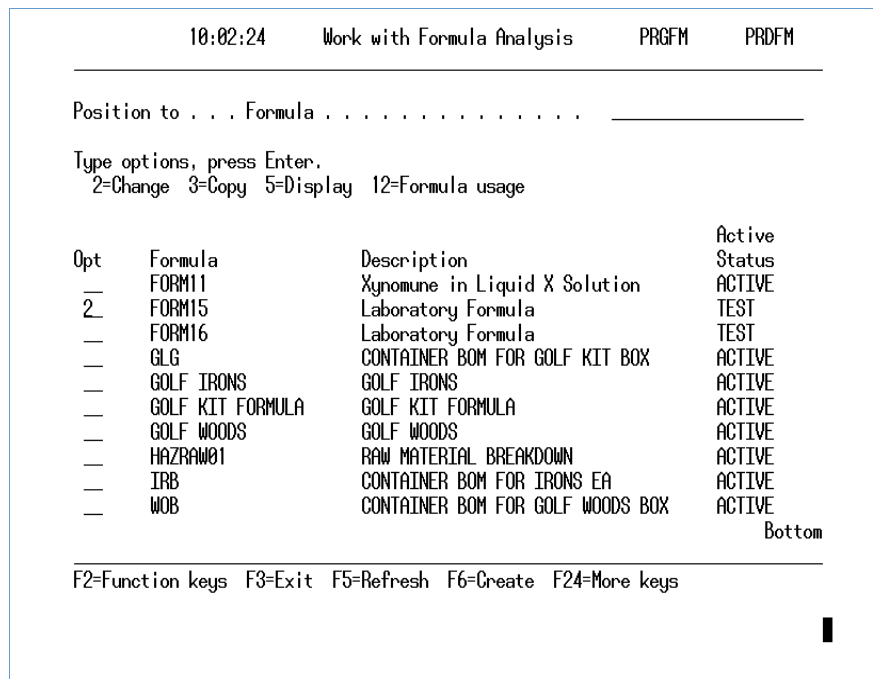


Figure 6-12: *Work with Formula Analysis* selection screen

Type **2** or **5** in the *Opt* field to select or display the analysis for the formula for which you want to print the reports and press [Enter].

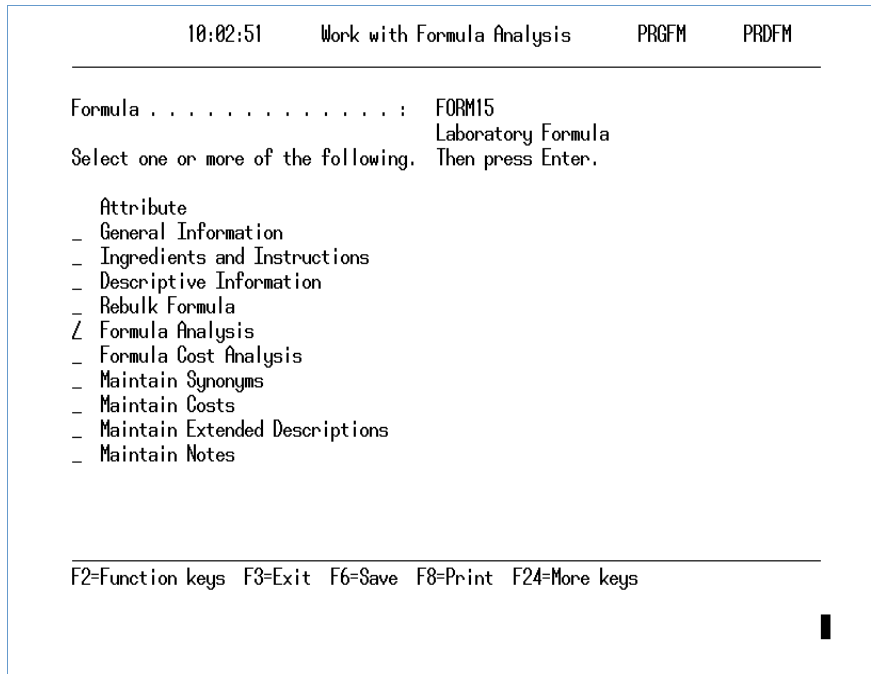


Figure 6-13: Work with Formula Analysis attribute screen

Type any character next to the Formula Analysis attribute and press [Enter].

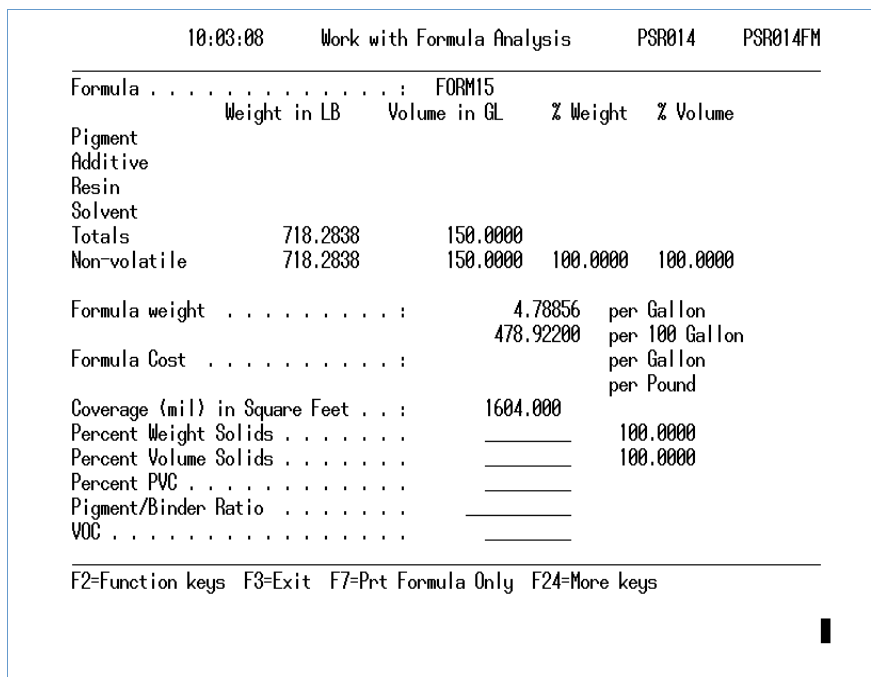


Figure 6-14: Work with Formula Analysis screen

Press [F7] to print the Formula Listing, [F8] to print the Formula Analysis report and the Formula Worksheet, or [F9] to print only the Formula Analysis report.

Samples of these reports are shown on the next page.

PSR014 LATFA2

FORMULA LISTING

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WMM

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12/10/02 13:20:43

Formula FORM15
F O R M U L A L I S T I N G

PAGE 1
WMM

FORMULA : FORM15
DESCRIPTION : Laboratory Formula
ACTIVE CODE : 2 TEST
REVISION CODE AND DATE :
LOSS FACTOR :
ESTABLISHED YIELD : GL

INGREDIENT	DESCRIPTION	POUNDS	GALLONS	% LB	% GL
RAW11	ABSORBENT PELLENTS	125.0542	13.1636	17.4101	8.7757
RAW12	SOIL	173.4409	17.8805	24.1466	11.9203
RAW13	RED DYE	351.8417	42.2379	48.9837	28.1586
RAW14	WHITE DYE	67.9470	8.1569	9.4596	5.4379
RAW15	CASE		68.5611		45.7074

TOTAL POUNDS : 718.2838
TOTAL GALLONS : 150.0000
ACTUAL GALLONS : 150.0000
WEIGHT PER GALLON : 4.78856
PERCENT WEIGHT SOLIDS : 100.0000
PERCENT VOLUME SOLIDS : 100.0000
PERCENT PVC :
VOC : LB/GL
FLASH POINT : °F
COVERAGE (MIL) IN SQUARE FEET . . . : 1604.000

THESE VALUES WERE CALCULATED IN THE FORMULA ANALYSIS FUNCTION.
***** END OF REPORT *****

PSR014 LATFAL
12/10/02 12:58:51

F O R M U L A A N A L Y S I S R E P O R T

WMM

Formula : FORM15
Laboratory Formula

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WMM

F O R M U L A A N A L Y S I S R E P O R T

FORMULA : FORM15 Not applicable
ACTIVE CODE : 2 TEST MSDS SORT TYPE :
CLASS : 1 FORMULA MSDS REVISION CODE :
UNIT OF MEASURE : GL FORMULA LAST REVISION DATE :
LOSS PERCENTAGE : INITIALS OF PERSON REVISING :

SEQ	INGREDIENT	WT/VOL	WEIGHT IN LB	VOLUME IN GL	% WEIGHT	LB / 100 GL	% VOLUME	WT IN LB (VLW)	VOL IN GL (VLV)	SOLID-WT IN LB	SOLID-VOL IN
	UNIT COST	UM	EXTENDED COST								
10	R RAW11	9.50000	125.0542	13.1636	17.4101	83.36915	8.7757			125.0542	13.1636
		LB								ABSORBENT PELLENTS	
20	R RAW12	9.70000	173.4409	17.8805	24.1466	115.62691	11.9203			173.4409	17.8805
		LB								SOIL	
30	R RAW13	8.33000	351.8417	42.2379	48.9837	234.56114	28.1586			351.8417	42.2379
		LB								RED DYE	
40	R RAW14	8.33000	67.9470	8.1569	9.4596	45.29771	5.4379			67.9470	8.1569
		GL								WHITE DYE	
50	R RAW15			68.5611			45.7074				68.5611
		EA								CASE	
	TOTAL			718.2838	150.0000	100.0000	478.85491	99.9999			718.2838
	150.0000										

PIGMENT	ADDITIVE	RESIN	SOLVENT	NON-VOLATILE	LEAD	CHROMATE
TOTAL WEIGHT IN POUNDS			718.2838			718.2838
PERCENT WEIGHT						100.0000
TOTAL VOLUME IN GALLONS			150.0000			150.0000
PERCENT VOLUME						100.0000
TOTAL EXEMPT SOLVENT			LB (%)		GL (%)	

```

-----
FORMULA . . . . . : FORM15          Not applicable
ACTIVE CODE . . . . . : 2 TEST      MSDS SORT TYPE . . . . . :
CLASS . . . . . : 1 FORMULA        MSDS REVISION CODE . . . . . :
UNIT OF MEASURE . . . . . : GL      FORMULA LAST REVISION DATE . . . . . :
LOSS PERCENTAGE . . . . . :         INITIALS OF PERSON REVISING . . . . . :
-----
    
```

```

PRODUCTION AND QUALITY CONTROL      ENVIRONMENTAL REPORT
% PIGMENT WEIGHT = ( / 718.2838 ) X 100 =          CTG DENSITY          4.78855 L
% LEAD WEIGHT = ( / 718.2838 ) X 100 =          SOL DENSITY          L
% CHROMATE WEIGHT = ( / 718.2838 ) X 100 =          DENS.SOLIDS          4.78856 L
% EXTENDER WEIGHT = ( / 718.2838 ) X 100 =          VOC
% ADDITIVE WEIGHT= ( / 718.2838 ) X 100 =          VOLUME SOLIDS      100.0000 %
% RESIN WEIGHT = ( / 718.2838 ) X 100 =          SOLVENT VOLUME      %
% WEIGHT SOLIDS = ( 718.2838 / 718.2838 ) X 100 = 100.0000
% VOLUME SOLIDS = ( 150.0000 / 150.0000 ) X 100 = 100.0000
WEIGHT / GALLON = 4.78856 LB
FORMULA COST = PER GL          RAW MTL COST =          PER GL
                PER LB          PER LB
% PVC = ( / ) X 100 =
P/B RATIO = ( / ) =
VOC 1 = (( 718.2838 - ) / ( 150.0000 - ) ) * ( / ( 100- ) )
        = LB/GL
        = GM/L
COVERAGE (MIL THICK) = 100.0000 X 16.04 = 1604.000 SQ FT
    
```

PSR014 LATPAL
12/10/02 12:58:51

F O R M U L A W O R K S H E E T

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WMM

FORMULA	FORM15	Laboratory Formula										UNIT OF MEASURE	GL				
SEQ	INGREDIENT	WEIGHT	PIGMENT	WEIGHT	FACTOR	ADDITIVE WEIGHT	FACTOR	RESIN WEIGHT	FACTOR	SOLVENT WEIGHT	FACTOR	NON-VOLATILE WT	FACTOR	LEAD	CHROME		
		VOLUME	PIGMENT	VOLUME		ADDITIVE VOLUME		RESIN VOLUME		SOLVENT VOLUME		NON-VOLATILE VOL					
10	R RAW11	ABSORBENT PELLENTS															
		125.0542										125.0542	1.0000				
		13.1636										13.1636	1.0000				
20	R RAW12	SOIL															
		173.4409										173.4409	1.0000				
		17.8805										17.8805	1.0000				
30	R RAW13	RED DYE															
		351.8417										351.8417	1.0000				
		42.2379										42.2379	1.0000				
40	R RAW14	WHITE DYE															
		67.9470										67.9470	1.0000				
		8.1569										8.1569	1.0000				
50	R RAW15	CASE															
		68.5611										68.5611	1.0000				
TOTAL EXEMPT SOLVENT					LB	(%)		GL	(%)								

ENVIRONMENTAL REPORT

PRODUCTION AND QUALITY CONTROL

% PIGMENT WEIGHT = (	/	718.2838	) X 100 =		CTG DENSITY	4.78855	L
% LEAD WEIGHT = (	/	718.2838	) X 100 =		SOL DENSITY		L
% CHROMATE WEIGHT = (	/	718.2838	) X 100 =		DENS.SOLIDS	4.78856	L
% EXTENDER WEIGHT = (	/	718.2838	) X 100 =		VOC		
% ADDITIVE WEIGHT= (	/	718.2838	) X 100 =		VOLUME SOLIDS	100.0000	%
% RESIN WEIGHT = (	/	718.2838	) X 100 =		SOLVENT VOLUME		%
% WEIGHT SOLIDS = (	718.2838 /	718.2838	) X 100 =	100.0000			
% VOLUME SOLIDS = (	150.0000 /	150.0000	) X 100 =	100.0000			
WEIGHT / GALLON =	4.78856	LB					
FORMULA COST =		PER GL	RAW MTL COST =		PER GL		
		PER LB			PER LB		
% PVC = (	/		) X 100 =				
P/B RATIO = (/) =				
VOC 1 = ((	718.2838 -		)/(	150.0000 -		))*(	/( 100-
	LB/GL)
	GM/L						
COVERAGE (MIL THICK) =	100.0000	X	16.04	=	1604.000	SQ FT	

***** END OF REPORT *****

Recalculating Chemical Properties Summary/ Exception Reports

You can use this option to recalculate or print formula chemical properties or to display formulas.

Use the menu path below.

▼ *Recalculate Chemical Properties* [RCP]

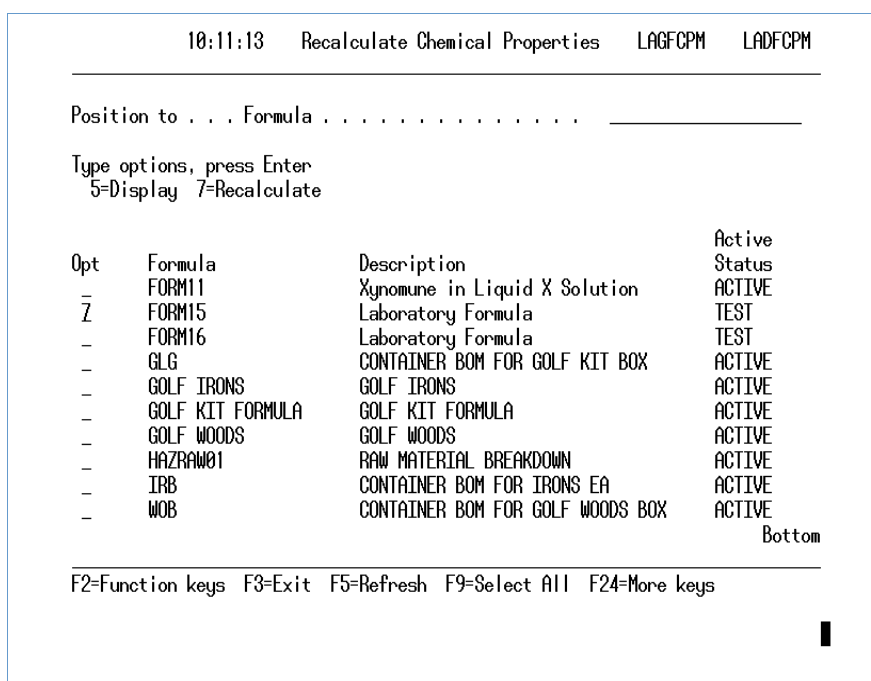


Figure 6-15: Recalculate Chemical Properties screen

Press [F9] to recalculate chemical properties for all formulas. The system automatically prints the Summary of Chemical Properties report for the formulas you select.

The Summary report lists the formula and its ingredients. The nine columns that display next to each ingredient correspond to the headings for each chemical property and its calculated amount in that formula.

You define column headings using the *Work with Entity Controls* option in Infinium CA.

The Exceptions report lists any formulas that have a product as an ingredient, since you only set up chemical property information for raw materials.

The first page of a sample Summary report and an Exception report are shown on the next two pages.

SUMMARY OF CHEMICAL PROPERTIES

1/26/02 14:52:05

WMM

Company ISI INFINIUM SOFTWARE (INSTRUCTOR)
 Warehouse ISW1
 Formula ALL
 Requesting Job WMGERHARDF
 Requesting User WMM

- (1) % PIGMENT LEAD FREE
- (2) % PIGMENT WITH LEAD
- (3) % PIGMENT CHROMATE
- (4) % PIGMENT OTHER
- (5) % ADDITIVE
- (6) % RESIN
- (7) % EXEMPT
- (8) % NON-EXEMPT
- (9) SUM OF FACTORS
- (10)

PSR110 PST110
 1/26/02 14:52:05

SUMMARY OF CHEMICAL PROPERTIES

PAGE
 WMM

FORMULA: FORMTRANSFER										REGULAR FORMULA 3 - APPLE PIE			
FORMULA	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	FORMULA			
RAW MATERIAL	WT	WT	WT	WT	WT	WT	WT	WT	WT	BASE	SOLID	UM	BASE
LIQUID	UM												
UM	WT/VOL	P	VOL	VOL	VOL	VOL	VOL	VOL	VOL		LB		
GL													
RAW07	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000			
LB	8.90000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000		
	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	4.0000		.4494
	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000			
RAW13	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000			
LB	8.33000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000		
	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	1.0000		.1200
	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000			
RAW01	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000			
GL	8.33000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000		
	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	33.3200		4.0000
	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000			
FORM05	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000			
LB	8.11445	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000		
	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	12.0000		1.4788
	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000			
										50.3200			
6.0482													
TOTAL													
WEIGHT	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000			
TOTAL													
VOLUME	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000			
WT/VOL	8.31983												
PERCENT													
WEIGHT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
PERCENT													
VOLUME	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			

% WT ADJUSTED BY
% VOL ADJUSTED BY
PSR110 PST110E
1/26/02 14:52:14

S U M M A R Y O F C H E M I C A L P R O P E R T I E S
EXCEPTIONS REPORT

WMM

Company IS1 INFINIUM SOFTWARE (INSTRUCTOR)
Warehouse ISW1
Formula ALL
Requesting Job WMGERHARDF
Requesting User WMM

PSR110 PST110E
1/26/02 14:52:14

S U M M A R Y O F C H E M I C A L P R O P E R T I E S
EXCEPTIONS REPORT

PAGE 1
WMM

FORMULA : GOLF KIT FORMULA GOLF KIT FORMULA
CONTAINS THE INVALID INGREDIENT GOLF BAG EA
***** END OF REPORT *****