

THE DOW CHEMICAL COMPANY
SALES SPECIFICATION

Page: 1

Date Printed: 5 APR 2005

SPECIFIED MATERIAL: 00021608-S

Effective: 09 AUG 2004
Supersedes: 30 JUN 2003

NAME: Dipropylene Glycol L0+

MATERIAL DESCRIPTION:

Color: colorless
Odor: characteristic, slight
Appearance/Physical State: liquid

Description Note:

DIPROPYLENE GLYCOL WITH A CHARACTERISTIC SLIGHT ODOR.

TEST REQUIREMENTS

TEST ITEM AND CONDITION	LIMIT	UNIT	METHOD	N
Assay, calculated	99.5 Min	% wt	DOWM 100761	
Acidity, as acetic acid	0.0010 Max	% wt	DOWM 101370	
Appearance, clear/matter free	Pass		Visual	
Chlorides	1 Max	ppm	DOWM 101867	
Color, Pt-Co	10 Max		ASTM D5386	
Iron	0.100 Max	ppm	ASTM E202	
Odor, characteristic, slight	Pass		Olfactory	
Propylene Glycol	0.40 Max	%	DOWM 100761	
Tripropylene Glycol	0.500 Max	%	DOWM 100761	
Water Content	0.100 Max	% wt	ASTM E203	

THE FOLLOWING ITEMS ARE ANALYZED ON A STATISTICAL BASIS ONLY

DPG Isomer #1	27-43	%	DOWM 101518
DPG Isomers #2 + #3	42-56	%	DOWM 101518
DPG Isomer #4	5-10	%	DOWM 101518

Continued on Next Page

THE DOW CHEMICAL COMPANY
SALES SPECIFICATION

SPECIFIED MATERIAL: 00021608-S
NAME: Dipropylene Glycol L0+

Effective: 09 AUG 2004

TEST REQUIREMENTS (CONTINUED)

TEST ITEM AND CONDITION	LIMIT	UNIT	METHOD	N
DPG Isomer #5	3-14	%	DOWM 101518	
Residue on Ignition	0.0050 Max	% wt	ASTM D1119	

PHYSICAL PROPERTIES

PROPERTY AND CONDITION	LIMIT	UNIT	METHOD	N
Distillation Range, IBP-DP Source: 0150-	228-236	degC	ASTM D1078	
Specific Gravity (Relative Density), @ 20/20degC	1.021-1.025		ASTM D891	
Specific Gravity (Relative Density), @ 25/25degC	1.017-1.022		ASTM D891	
Weight per Gallon @ 25degC Source: 0150-	8.49 Nom	lb	Test method in development	
Refractive Index @ 20degC Source: 0150-	1.439-1.442		Current EP	
Refractive Index @ 25degC Source: 0150-	1.438-1.441		Current EP	

SHELF LIFE

CONTAINER	SHELF LIFE
Drum	12 month
Bulk	12 month

THE DOW CHEMICAL COMPANY
SALES SPECIFICATION

Page: 3

SPECIFIED MATERIAL: 00021608-S
NAME: Dipropylene Glycol L0+

Effective: 09 AUG 2004

READ PRECAUTIONARY INFORMATION AND MATERIAL SAFETY SHEETS. THIS PRODUCT IS SHIPPED IN COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS REGARDING CLASSIFICATION, PACKAGING, SHIPPING AND LABELING.