

# Audit - EU DK MAL Code

## PPG AQUACOVER 45 APM YELLOW 3125

### Denmark MAL Code

#### Audit - MAL Code

EU Denmark MAL Code:- 0-3

The MAL Code calculations are performed with product and component data.

Product is a Liquid

PPG AQUACOVER 45 APM YELLOW 3125 - Components considered for the MAL Code calculation. {Denmark MAL Code}

WATER (48.86296080604%)

CAS: 7732-18-5

Density: 1

Molecular Weight: 18.02

Boiling Point: 100

Vapour Pressure: 23.8

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 0; Lower Limit: 0

acrylic resin (16.804557626402%)

CAS: SUB109718

Density: 1.1

No LBL Factor entered or estimated from CAS Number or Boiling Point.

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 16804.558

TITANIUM DIOXIDE (9.34047230951277%)

Carcinogen.

CAS: 13463-67-7

Density: 4.1

Relative Density: 4.26

Molecular Weight: 79.9

Boiling Point: 2750

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: 0

FAD 1 Quotient = 9340.472

ALUMINUM SILICATE (5.66194623367357%)

CAS: 1332-58-7

Density: 2.6

Relative Density: 2.6

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: 0.1

FAD 1 Quotient = 56.619

acrylic copolymer (4.102604847%)

CAS: SUB109741

Density: 1.09

No LBL Factor entered or estimated from CAS Number or Boiling Point.

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 4102.605

proprietary urethane polymer (2.42750699444%)

CAS: SUB127017

Density: 0

No LBL Factor entered or estimated from CAS Number or Boiling Point.

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 2427.507

DIPROPYLENE GLYCOL MONOMETHYL ETHER (2.2223128059%)

Organic Solvent.

CAS: 34590-94-8

Density: 0.95

Relative Density: 0.95

Molecular Weight: 148.23

Boiling Point: 189.6

Vapour Pressure: 0.277522755

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 5. Limit: 0

FAD entered: 1; Lower Limit: 0

FAD 1 Quotient = 2222.313

DIPROPYLENE GLYCOL MONOBUTYL ETHER (2.2088591919%)

CAS: 29911-28-2

Density: 0.9

Relative Density: 0.91

Molecular Weight: 190.32

Boiling Point: 230

Vapour Pressure: 0.04

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: 0.1

FAD 1 Quotient = 22.089

PETROLEUM DISTILLATES (0.72666125%)

CAS: 64742-55-8

Density: 0.825

Boiling Point: 478.5

Vapour Pressure: 0.072

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 14. Limit: 0

FAD entered: 1; Lower Limit: 0.1

FAD 1 Quotient = 7.267

TRIETHYLENEGLYCOL (0.7105382960143%)

CAS: 112-27-6

Density: 1.125  
Relative Density: 1.1  
Molecular Weight: 150.2  
Boiling Point: 286.5  
Vapour Pressure: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: 0.1  
FAD 1 Quotient = 7.105

ARYLIDE PIGMENT YELLOW 74 (0.521766%)

CAS: 6358-31-2  
Density: 1.43  
Molecular Weight: 386.36  
Vapour Pressure: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: 0.1  
FAD 1 Quotient = 5.218

ALIPHATIC POLYURETHANE RESIN (0.498282%)

CAS: SUB117913  
Density: 1.1  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)  
FAD 1 Quotient = 498.282

Alcohols, C16-18 and C18-unsatd., ethoxylated (0.46667215371675%)

CAS: 68920-66-1  
Density: 1  
Boiling Point: 369  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: 0.1  
FAD 1 Quotient = 4.667

WAX (0.447929109054%)

CAS: SUB114991  
Density: 1.1  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: 0.1  
FAD 1 Quotient = 4.479

tetraamminezinc(2+) carbonate (0.4301253271%)

CAS: 38714-47-5  
Density: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: 0  
FAD 1 Quotient = 430.125

alkyl polyglycol ether phosphate compound (0.37349400097052%)

CAS: 164383-18-0

Density: 1.1

Boiling Point: 220

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 3 Quotient = 0.187

ALUMINUM HYDROXIDE (0.34413925%)

CAS: 21645-51-2

Density: 2.42

Molecular Weight: 78

Vapour Pressure: 0.072

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: 0.1

FAD 1 Quotient = 3.441

IRON HYDROXIDE OXIDE (0.28679882%)

CAS: 51274-00-1

Density: 4.26

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: 0.1

FAD 1 Quotient = 2.868

THICKENER (0.2476942425%)

CAS: SUB100115

Density: 1.177

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: 0.1

FAD 1 Quotient = 2.477

siloxane polyalkyleneoxide copolymer (0.232780741%)

CAS: SUB138458

Density: 0

No LBL Factor entered or estimated from CAS Number or Boiling Point.

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 232.781

AMMONIUM NONYPHENOETHER SULFATE (0.200052167441%)

CAS: 68649-55-8

Density: 1

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 3 Quotient = 0.100

2-(2-BUTOXYETHOXY)ETHANOL (0.1869298909299%)

CAS: 112-34-5

Density: 0.953

Relative Density: 0.95

Molecular Weight: 162.26  
Boiling Point: 226.3  
Vapour Pressure: 0.02  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 3 Quotient = 0.019

ACRYLIC POLYMER (0.18685575%)

CAS: SUB116599  
Density: 1.09  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)  
FAD 1 Quotient = 186.856

AMORPHOUS SILICA (0.18096395959082%)

CAS: 112945-52-5  
Density: 1.5  
Molecular Weight: 60.09  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: 0.1  
FAD 1 Quotient = 1.810

SILOXANE (0.166094%)

CAS: 68957-00-6  
Density: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)  
FAD 1 Quotient = 166.094

acrylic copolymer (0.14533225%)

CAS: SUB109632  
Density: 1.09  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)  
FAD 1 Quotient = 145.332

ALKOXYLATED BUTYL ETHER (0.12078023492%)

CAS: 9038-95-3  
Density: 1  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 3 Quotient = 0.060

PROPYLENE GLYCOL (0.118508069%)

CAS: 57-55-6  
Density: 1.036  
Relative Density: 1.04  
Molecular Weight: 76.11

Boiling Point: 188.2  
Vapour Pressure: 0.15  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: 0  
FAD 1 Quotient = 118.508

proprietary organically modified phosphoric acid ester (0.1157184%)

CAS: SUB119211  
Density: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)  
FAD 1 Quotient = 115.718

Ethanol, 2-amino-, compd. with .alpha.-sulfo-.omega.-(nonylphenoxy)poly(oxy-1,2-ethanediyl) (1:1) (0.111130339614%)

CAS: 51617-74-4  
Density: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)  
FAD 1 Quotient = 111.130

SILICA (0.09832912395335%)

CAS: 7631-86-9  
Density: 2  
Relative Density: 2.2  
Molecular Weight: 60.08  
Boiling Point: 2230  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: 0  
FAD 1 Quotient = 98.329

DIMETHYLAMINOETHANOL (0.088509499472%)

Organic Solvent.  
CAS: 108-01-0  
Density: 0.89  
Relative Density: 0.89  
Molecular Weight: 89.14  
Boiling Point: 134.1  
Vapour Pressure: 4.59  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 280. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 3 Quotient = 0.009  
FAD 2 Quotient = 0.044

Ethanol, 2,2'-(butylimino)bis- (0.0877325574517%)

CAS: 102-79-4  
Density: 0.968  
Relative Density: 0.99  
Molecular Weight: 161.28

Boiling Point: 274

Vapour Pressure: 0.877571955

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 1. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 3 Quotient = 0.044

polyalkylene oxide (0.083047%)

CAS: SUB138459

Density: 0

No LBL Factor entered or estimated from CAS Number or Boiling Point.

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 83.047

Alcohols, C16-18, ethoxylated (0.082880906%)

CAS: 68439-49-6

Density: 0

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 3 Quotient = 0.008

LECITHINS (0.0802235075322%)

CAS: 8002-43-5

Density: 1.1

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 1 Quotient = 0.802

AMMONIUM HYDROXIDE (0.07745461502%)

CAS: 1336-21-6

Density: 0.9

Relative Density: 0.9

Molecular Weight: 35.06

Boiling Point: 38

Vapour Pressure: 360.03

LBLFactor = 100 (BP=38)

MAL Factor entered: 50. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 4 Quotient = 0.002

FAD 3 Quotient = 0.015

ETHYL ALCOHOL (0.06542972946252%)

Organic Solvent.

CAS: 64-17-5

Density: 0.786

Relative Density: 0.8

Molecular Weight: 46.08

Boiling Point: 78.29

Vapour Pressure: 42.95

LBLFactor = 200 (CAS=64175)

MAL Factor entered: 7. Limit: 0

FAD entered: 1; Lower Limit: 0

FAD 1 Quotient = 65.430

POLYETHYLENE GLYCOL OCTYLPHENYL ETHER (0.065396605855%)

CAS: 9036-19-5

Density: 1.009

Boiling Point: 220

Vapour Pressure: 0.0067505535

No LBL Factor entered or estimated from CAS Number or Boiling Point.

R Phrases: Xn;R22 Xi;R41 N;R51/53

MAL Factor from Sub-Annex 2: 0

FAD: 1. (Default)

FAD 1 Quotient = 65.397

WHITE MINERAL OIL (PETROLEUM) (0.06228525%)

CAS: 8042-47-5

Density: 0.852

Boiling Point: 509

Vapour Pressure: 0.08

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 1 Quotient = 0.623

4,5-Dichloro-2-octyl-2H-isothiazol-3-one (0.056056725%)

CAS: 64359-81-5

Density: 1.5

Molecular Weight: 282.23

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 5 Quotient = 0.056

POLYETHYLENE-POLYPROPYLENE POLYMER (0.05185246147134%)

CAS: 9003-11-6

Density: 1.1

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 1 Quotient = 0.519

ALCOHOL ETHOXYLATES (0.049662106%)

CAS: 68439-49-6

Density: 0.9

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 3 Quotient = 0.005

ZIRCONIUM OXIDE (0.04916275%)

CAS: 1314-23-4

Density: 5.85

Molecular Weight: 123.22



No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 1 Quotient = 0.492

1,2-BENZISOTHIAZOLONE (0.04846198795023%)

CAS: 2634-33-5  
Density: 1.095  
Molecular Weight: 151.19

No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 3 Quotient = 0.048

3-Iodo-2-propynyl butylcarbamate (0.044732175%)

CAS: 55406-53-6  
Density: 1.5  
Molecular Weight: 281.11  
Vapour Pressure: 0.0000063

No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 3 Quotient = 0.045

ADDITIVE (0.0415235%)

CAS: SUB113994  
Density: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)  
FAD 1 Quotient = 41.524

QUARTZ (>10 microns) (0.03401544602551%)

Carcinogen.  
CAS: 14808-60-7  
Density: 0  
Relative Density: 2.6  
Molecular Weight: 60.09  
Boiling Point: 2230

No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 1 Quotient = 0.340

Tripropylene Glycol n-Butyl Ether (0.0334098081%)

CAS: 55934-93-5  
Density: 0.93  
Molecular Weight: 248.37  
Boiling Point: 275  
Vapour Pressure: 0.0067505535

No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 1 Quotient = 0.334  
ethanol, 2-butoxy-, manufacture of, by-products from (0.02823598%)  
CAS: 161907-77-3  
Density: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)  
FAD 1 Quotient = 28.236  
SODIUM NITRITE (0.02657504%)  
CAS: 7632-00-0  
Density: 2.2  
Relative Density: 2.17  
Molecular Weight: 69  
Boiling Point: 320  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 6 Quotient = 0.133  
FAD 3 Quotient = 0.266  
POLYDIMETHYLSILOXANE (0.026562665997%)  
CAS: 63148-62-9  
Density: 0.965  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 1 Quotient = 0.266  
fatty acid tall oil reaction product with diethanoltriamine and monobasic acid (0.022991584%)  
CAS: SUB137241  
Density: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)  
FAD 1 Quotient = 22.992  
SODIUM CARBONATE (0.021506266355%)  
CAS: 497-19-8  
Density: 2.5  
Molecular Weight: 105.99  
Vapour Pressure: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 3 Quotient = 0.011  
polyglycoether (0.0211431%)  
CAS: SUB137240  
Density: 1.07  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)

FAD 1 Quotient = 21.143  
QUARTZ (<10 microns) (0.01700772301274%)  
Carcinogen.  
CAS: 14808-60-7  
Density: 0  
Relative Density: 2.6  
Molecular Weight: 60.09  
Boiling Point: 2230  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 6 Quotient = 0.002  
FAD 3 Quotient = 0.017

AMMONIUM BENZOATE (0.0166094%)  
CAS: 1863-63-4  
Density: 1.26  
Relative Density: 1.26  
Molecular Weight: 139.15  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 3 Quotient = 0.017

ZINC OXIDE (0.01245705%)  
CAS: 1314-13-2  
Density: 5.68  
Relative Density: 5.61  
Molecular Weight: 81.37  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: 0  
FAD 1 Quotient = 12.457

1,3-PROPANEDIOL (0.011211345%)  
CAS: 504-63-2  
Density: 0  
Molecular Weight: 76.11  
Vapour Pressure: 0.03  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: 0  
FAD 1 Quotient = 11.211

METHYL PARABAN (0.010380875%)  
CAS: 99-76-3  
Density: 0  
Molecular Weight: 152.16  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)  
FAD 1 Quotient = 10.381

ALCOHOL ETHOXYLATES (0.0103393515%)

CAS: 68439-46-3

Density: 1

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 3 Quotient = 0.001

2-ETHYLHEXYL ACRYLATE (0.010182558764%)

CAS: 103-11-7

Density: 0.885

Relative Density: 0.89

Molecular Weight: 184.31

Boiling Point: 215

Vapour Pressure: 0.18

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 79. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 5 Quotient = 0.010

FAD 3 Quotient = 0.102

POLYETHYLENE GLYCOL (0.008700784505%)

CAS: 25322-68-3

Density: 1.124

Relative Density: 1.13

Molecular Weight: 414.49

Boiling Point: 250

Vapour Pressure: 0

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 1 Quotient = 0.087

2-METHYL-4-ISOTHIAZOLIN-3-ONE (0.008339164505%)

CAS: 2682-20-4

Density: 0.8

Molecular Weight: 115.1

Boiling Point: 94

Vapour Pressure: 0.000037503

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 6 Quotient = 0.008

FAD 3 Quotient = 0.278

OCTAMETHYLCYCLOTETRAILOXANE (0.00825477660752%)

CAS: 556-67-2

Density: 0.95

Relative Density: 0.96

Molecular Weight: 296.68

Boiling Point: 175

Vapour Pressure: 0.99

No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 1. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 3 Quotient = 0.008

POLYETHER SILOXANE COPOLYMER (0.00730191225033%)

CAS: SUB117132

Density: 1.1

No LBL Factor entered or estimated from CAS Number or Boiling Point.

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 7.302

proprietary defoamer (0.00711878884%)

CAS: SUB127019

Density: 0

No LBL Factor entered or estimated from CAS Number or Boiling Point.

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 7.119

Poly(oxy-1,2-ethanediyl), alpha-undecyl-omega-hydroxy-, branched and linear (0.006394619%)

CAS: 127036-24-2

Density: 1

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 3 Quotient = 0.006

METHYL METHACRYLATE (0.005934289479%)

Organic Solvent.

CAS: 80-62-6

Density: 0.94

Relative Density: 0.94

Molecular Weight: 100.13

Boiling Point: 100.36

Vapour Pressure: 27.75

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 46. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 5 Quotient = 0.001

FAD 3 Quotient = 0.006

HYDROGEN PEROXIDE (0.00581329%)

CAS: 7722-84-1

Density: 1.13

Relative Density: 1.3

Molecular Weight: 34.01

Boiling Point: 108

Vapour Pressure: 0.75

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 3 Quotient = 0.058  
FAD 4 Quotient = 0.006  
polycarbonic acid ammonium salt (0.0046588599963%)  
CAS: SUB109712  
Density: 1.32  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)  
FAD 1 Quotient = 4.659  
pyrithione zinc (0.004567585%)  
CAS: 13463-41-7  
Density: 1.76  
Molecular Weight: 317.69  
Boiling Point: 269.85  
Vapour Pressure: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 3 Quotient = 0.005  
proprietary polyglycoether (0.004449984%)  
CAS: SUB129693  
Density: 0.95  
Boiling Point: 275  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)  
FAD 1 Quotient = 4.450  
residual monomers, composition unknown (0.004102604847%)  
CAS: SUB109742  
Density: 1.1  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)  
FAD 1 Quotient = 4.103  
Decamethylcyclopentasiloxane (0.00410242660752%)  
CAS: 541-02-6  
Density: 0.96  
Molecular Weight: 370.85  
Boiling Point: 210  
Vapour Pressure: 0.25  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 1 Quotient = 0.041  
dodecamethylcyclohexasiloxane (0.00410242660752%)  
CAS: 540-97-6  
Density: 0.98  
Molecular Weight: 445.02

No LBL Factor entered or estimated from CAS Number or Boiling Point.

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 4.102

N-BUTYL METHACRYLATE (0.003737115%)

Organic Solvent.

CAS: 97-88-1

Density: 0.89

Relative Density: 0.9

Molecular Weight: 142.22

Boiling Point: 163

Vapour Pressure: 1.59

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 16. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 5 Quotient = 0.004

2-butyl-1,2-benzisothiazolin-3-one (0.00355939442%)

CAS: 4299-07-4

Density: 1

Molecular Weight: 207.29

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 5 Quotient = 0.004

2-BROMO-2-NITRO-1,3-PROPANEDIOL (0.00310128%)

CAS: 52-51-7

Density: 1.1

Relative Density: 1.1

Molecular Weight: 200.01

Vapour Pressure: 0

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 3 Quotient = 0.003

PROPYLENE GLYCOL MONOMETHYL ETHER (0.002242269%)

Organic Solvent.

CAS: 107-98-2

Density: 0.92

Relative Density: 0.92

Molecular Weight: 90.14

Boiling Point: 120.17

Vapour Pressure: 8.5

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 28. Limit: 0

FAD entered: 1; Lower Limit: 0

FAD 1 Quotient = 2.242

MAGNESIUM NITRATE (0.0021506266355%)

CAS: 10377-60-3

Density: 1.464  
Molecular Weight: 148.3  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 3 Quotient = 0.001

2-METHOXY-1-PROPANOL (0.0020180421%)

Organic Solvent.  
CAS: 1589-47-5  
Density: 0.938  
Molecular Weight: 90.14  
Boiling Point: 130  
Vapour Pressure: 4.1  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 267. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 6 Quotient = 0.001

Carbamic acid, N-butyl-, 2-propyn-1-yl ester (0.0014533225%)

CAS: 76114-73-3  
Density: 0  
Vapour Pressure: 0.04  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
R Phrases: Xn;R22 Xn;R20 R43 R52/53  
MAL Factor from Sub-Annex 2: 0  
FAD: 1. (Default)  
FAD 1 Quotient = 1.453

DIETHYLENE GLYCOL (0.00111066098337%)

Organic Solvent.  
CAS: 111-46-6  
Density: 1.18  
Relative Density: 1.12  
Molecular Weight: 106.12  
Boiling Point: 244.9  
Vapour Pressure: 0.01  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 3 Quotient = 0.000

neutralized polymeric styrene maleic anhydrite (0.0010879%)

CAS: SUB138328  
Density: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)  
FAD 1 Quotient = 1.088

VINYL RESIN (0.00105892%)

CAS: 25213-24-5  
Density: 1.1



No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 1 Quotient = 0.011

POLYOXYETHYLENE (20) STEARYL ETHER (0.00091619857057%)

CAS: 9005-00-9

Density: 1

No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 3 Quotient = 0.000

2,2'-Dithiobis[N-methylbenzamide] (0.00073994877%)

CAS: 2527-58-4

Density: 1.4

Molecular Weight: 332.45

No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 5 Quotient = 0.001

SODIUM SULPHATE (0.000721325%)

CAS: 7757-82-6

Density: 2.67

Relative Density: 2.7

Molecular Weight: 142.04

No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 1 Quotient = 0.007

CALCIUM SULFATE (0.000721325%)

CAS: 7778-18-9

Density: 2.9

Relative Density: 2.96

Molecular Weight: 136.14

No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 1 Quotient = 0.007

ETHYLENE GLYCOL (0.00071199789741%)

Organic Solvent.

CAS: 107-21-1

Density: 1.11

Relative Density: 1.1

Molecular Weight: 62.07

Boiling Point: 197.4

Vapour Pressure: 0.05

No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 2 Quotient = 0.000  
STYRENE (0.000438903395%)  
Organic Solvent.  
Carcinogen.  
CAS: 100-42-5  
Density: 0.91  
Relative Density: 0.91  
Molecular Weight: 104.15  
Boiling Point: 145  
Vapour Pressure: 6.4  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 95. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 6 Quotient = 0.000  
FAD 3 Quotient = 0.004

2-OCTYL-2-H-ISOTHIAZOL-3-ONE (0.00042914865%)  
CAS: 26530-20-1  
Density: 1.04  
Molecular Weight: 213.34  
Vapour Pressure: 2.23518327  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 20. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 6 Quotient = 0.002

MAGNESIUM CARBONATE (0.0003950130555%)  
CAS: 546-93-0  
Density: 2.04  
Relative Density: 2.95  
Molecular Weight: 84.32  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 1 Quotient = 0.004

MAGNESIUM CHLORIDE (0.0003950130555%)  
CAS: 7786-30-3  
Density: 2.316  
Molecular Weight: 95.21  
Boiling Point: 1412  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 1 Quotient = 0.004

METHACRYLIC ACID (0.00039447325%)  
Organic Solvent.  
CAS: 79-41-4  
Density: 1.014  
Relative Density: 1.02  
Molecular Weight: 86.1

Boiling Point: 163  
Vapour Pressure: 0.73  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 286. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 3 Quotient = 0.000  
FAD 5 Quotient = 0.000

CARBON BLACK (0.000381%)

Carcinogen.  
CAS: 1333-86-4  
Density: 1.8  
Relative Density: 1.95  
Molecular Weight: 12.01  
Boiling Point: 4200  
Vapour Pressure: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 6 Quotient = 0.000  
FAD 3 Quotient = 0.000

TETRAMETHYL DECYNE DIOL (0.00036162%)

CAS: 126-86-3  
Density: 0.887  
Molecular Weight: 226.36  
Boiling Point: 262  
Vapour Pressure: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 3 Quotient = 0.000

ETHANOLAMINE (0.00033123590022%)

Organic Solvent.  
CAS: 141-43-5  
Density: 1.018  
Relative Density: 1.02  
Molecular Weight: 61.08  
Boiling Point: 170.8  
Vapour Pressure: 0.4  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 500. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 3 Quotient = 0.000  
FAD 2 Quotient = 0.000

SILANE,DICHLORODIMETHYL-,REACTION PRODUCTS WITH SILICA (0.00033123590022%)

CAS: 68611-44-9  
Density: 2  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 1 Quotient = 0.003

TIN (0.00030480905%)

CAS: 7440-31-5

Density: 7.2

Relative Density: 7.28

Molecular Weight: 118.69

Boiling Point: 2260

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor from OEL: 0

R Phrases: None

FAD: 1. (Default)

FAD 1 Quotient = 0.305

GRAPHITE (0.00028853%)

CAS: 7782-42-5

Density: 2.2

Relative Density: 2.16

Molecular Weight: 12.01

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 1 Quotient = 0.003

2-BUTOXY ETHANOL (0.0001882476243%)

Organic Solvent.

CAS: 111-76-2

Density: 0.9

Relative Density: 0.9

Molecular Weight: 118.18

Boiling Point: 171.25

Vapour Pressure: 0.75

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 25. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 3 Quotient = 0.000

ARSENIC (0.00012782315%)

Carcinogen.

CAS: 7440-38-2

Density: 5.7

Relative Density: 5.73

Molecular Weight: 74.92

Vapour Pressure: 0

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 6 Quotient = 0.001

ISOTHIAZOLONE SOLUTION (0.00010579644848%)

CAS: 55965-84-9

Density: 0.9

Molecular Weight: 264.76

No LBL Factor entered or estimated from CAS Number or Boiling Point.

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 0.106

ALUMINUM OXIDE (0.00009059976277%)

CAS: 1344-28-1

Density: 3.97

Relative Density: 4

Molecular Weight: 101.96

Boiling Point: 3000

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 1 Quotient = 0.001

ACRYLONITRILE (0.000087780679%)

Organic Solvent.

Carcinogen.

CAS: 107-13-1

Density: 0.806

Relative Density: 0.8

Molecular Weight: 53.06

Boiling Point: 77.3

Vapour Pressure: 82.51

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 5. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 6 Quotient = 0.001

ACETIC ACID (0.00005442457775%)

Organic Solvent.

CAS: 64-19-7

Density: 1.04

Relative Density: 1.05

Molecular Weight: 60.06

Boiling Point: 117.9

Vapour Pressure: 15.59

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 1. Limit:

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 4 Quotient = 0.000

NICKEL (0.00004916275%)

Carcinogen.

CAS: 7440-02-0

Density: 8.9

Relative Density: 8.9

Molecular Weight: 58.71

Boiling Point: 2730

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 5 Quotient = 0.000

FAD 6 Quotient = 0.000

HYDROCHLORIC ACID (0.00004529995128%)

CAS: 7647-01-0

Density: 0.86

Boiling Point: 109.85

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 2900. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 4 Quotient = 0.000

FAD 3 Quotient = 0.000

SODIUM NITRATE (0.00003372737211%)

CAS: 7631-99-4

Density: 2.3

Molecular Weight: 84.99

Boiling Point: 380

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 1 Quotient = 0.000

CYCLOHEXANE (0.00003312360752%)

Organic Solvent.

CAS: 110-82-7

Density: 0.77

Relative Density: 0.8

Molecular Weight: 84.16

Boiling Point: 80.7

Vapour Pressure: 93.01

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 13. Limit: 0

FAD entered: 1; Lower Limit: 0

FAD 1 Quotient = 0.033

SODIUM HYDROXIDE (0.00003312360752%)

CAS: 1310-73-2

Density: 2.1

Relative Density: 2.13

Molecular Weight: 40

Boiling Point: 1390

Vapour Pressure: 0.097507995

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 4 Quotient = 0.000

FAD 3 Quotient = 0.001

ANTIMONY (0.00002949765%)

CAS: 7440-36-0

Density: 6.7  
Molecular Weight: 121.75  
Boiling Point: 1635  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor from OEL: 0  
R Phrases: T;R25  
FAD: 1. (Default)  
FAD 1 Quotient = 0.029

BARIUM (0.0000196651%)

CAS: 7440-39-3  
Density: 3.6  
Relative Density: 3.6  
Molecular Weight: 137.34  
Boiling Point: 1640  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor from OEL: 0  
R Phrases: F;R15 Xi;R38 Xi;R36 Xi;R37  
FAD: 1. (Default)  
FAD 1 Quotient = 0.020

SODIUM CHLORIDE (0.00001277869699%)

CAS: 7647-14-5  
Density: 2.165  
Molecular Weight: 58.44  
Boiling Point: 1430.85  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 1 Quotient = 0.000

2-PYRIDINETHIOL-1-OXIDE SODIUM SALT (0.00001177731511%)

CAS: 3811-73-2  
Density: 0  
Molecular Weight: 150.16  
Vapour Pressure: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor from OEL: 0  
R Phrases: Xn;R22 Xn;R21 Xn;R20 Xi;R38 Xi;R36 N;R50  
FAD: 1. (Default)  
FAD 1 Quotient = 0.012

CHROMIUM (0.00000983255%)

CAS: 7440-47-3  
Density: 7.15  
Relative Density: 7.14  
Molecular Weight: 52  
Boiling Point: 2642  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 0. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 3 Quotient = 0.000

Diiron trioxide (0.00000543594048%)

CAS: 1309-37-1

Density: 5.25

Relative Density: 5.18

Molecular Weight: 159.7

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 0. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 1 Quotient = 0.000

1,4-DIOXANE (0.00000166094%)

Organic Solvent.

Carcinogen.

CAS: 123-91-1

Density: 1.03

Relative Density: 1.03

Molecular Weight: 88.12

Boiling Point: 101.15

Vapour Pressure: 30.75

No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 390. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 6 Quotient = 0.000

FAD 3 Quotient = 0.000

ETHYLENE OXIDE (0.00000166094%)

Carcinogen.

CAS: 75-21-8

Density: 0.882

Relative Density: 0.9

Molecular Weight: 44.06

Boiling Point: 10.7

Vapour Pressure: 1314.11

LBLFactor = 100 (BP=10.7)

MAL Factor entered: 11. Limit: 0

FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.

FAD 6 Quotient = 0.000

Density = 1.17. Entered value.

Figure-before-the dash = 0

WATER(@48.86%). MAL Factor = 0. Total increased by  $48.86 \times 0 = 0$ . Running Total = 0

TITANIUM DIOXIDE(@9.34%). MAL Factor = 0. Total increased by  $9.34 \times 0 = 0$ . Running Total = 0

ALUMINUM SILICATE(@5.66%). MAL Factor = 0. Total increased by  $5.66 \times 0 = 0$ . Running Total = 0

DIPROPYLENE GLYCOL MONOMETHYL ETHER(@2.22%). MAL Factor = 5. Total increased by  $2.22 \times 5 = 11.11$ . Running Total = 11.11

DIPROPYLENE GLYCOL MONOBUTYL ETHER(@2.21%). MAL Factor = 0. Total increased by  $2.21 \times 0 = 0$ . Running Total = 11.11

PETROLEUM DISTILLATES(@0.73%). MAL Factor = 14. Total increased by  $0.73 \times 14 = 10.17$ . Running Total = 21.28

TRIETHYLENEGLYCOL(@0.71%). MAL Factor = 0. Total increased by  $0.71 \times 0 = 0$ . Running Total = 21.28

ARYLIDE PIGMENT YELLOW 74(@0.52%). MAL Factor = 0. Total increased by  $0.52 \times 0 = 0$ . Running Total = 21.28

Alcohols, C16-18 and C18-unsatd., ethoxylated(@0.47%). MAL Factor = 0. Total increased by  $0.47 \times 0 = 0$ . Running Total = 21.28

WAX(@0.45%). MAL Factor = 0. Total increased by  $0.45 \times 0 = 0$ . Running Total = 21.28

tetraamminezinc(2+) carbonate(@0.43%). MAL Factor = 0. Total increased by  $0.43 \times 0 = 0$ . Running Total = 21.28



alkyl polyglycol ether phosphate compound(@0.37%). MAL Factor = 0. Total increased by 0.37\*0=0. Running Total = 21.28  
ALUMINUM HYDROXIDE(@0.34%). MAL Factor = 0. Total increased by 0.34\*0=0. Running Total = 21.28  
IRON HYDROXIDE OXIDE(@0.29%). MAL Factor = 0. Total increased by 0.29\*0=0. Running Total = 21.28  
THICKENER(@0.25%). MAL Factor = 0. Total increased by 0.25\*0=0. Running Total = 21.28  
AMMONIUM NONYPHENOLETHER SULFATE(@0.20%). MAL Factor = 0. Total increased by 0.20\*0=0. Running Total = 21.28  
2-(2-BUTOXYETHOXY)ETHANOL(@0.19%). MAL Factor = 0. Total increased by 0.19\*0=0. Running Total = 21.28  
AMORPHOUS SILICA(@0.18%). MAL Factor = 0. Total increased by 0.18\*0=0. Running Total = 21.28  
ALKOXYLATED BUTYL ETHER(@0.12%). MAL Factor = 0. Total increased by 0.12\*0=0. Running Total = 21.28  
PROPYLENE GLYCOL(@0.12%). MAL Factor = 0. Total increased by 0.12\*0=0. Running Total = 21.28  
SILICA(@0.10%). MAL Factor = 0. Total increased by 0.10\*0=0. Running Total = 21.28  
DIMETHYLAMINOETHANOL(@0.09%). MAL Factor = 280. Total increased by 0.09\*280=24.78. Running Total = 46.07  
Ethanol, 2,2'-(butylimino)bis-(@0.09%). MAL Factor = 1. Total increased by 0.09\*1=0.09. Running Total = 46.16  
Alcohols, C16-18, ethoxylated(@0.08%). MAL Factor = 0. Total increased by 0.08\*0=0. Running Total = 46.16  
LECITHINS(@0.08%). MAL Factor = 0. Total increased by 0.08\*0=0. Running Total = 46.16  
AMMONIUM HYDROXIDE(@0.08%). MAL Factor = 50. Total increased by 0.08\*50=3.87. Running Total = 50.03  
ETHYL ALCOHOL(@0.07%). MAL Factor = 7. Total increased by 0.07\*7=0.46. Running Total = 50.49  
POLYETHYLENE GLYCOL OCTYLPHENYL ETHER(@0.07%). MAL Factor = 0. Total increased by 0.07\*0=0. Running Total = 50.49  
WHITE MINERAL OIL (PETROLEUM)(@0.06%). MAL Factor = 0. Total increased by 0.06\*0=0. Running Total = 50.49  
4,5-Dichloro-2-octyl-2H-isothiazol-3-one(@0.06%). MAL Factor = 0. Total increased by 0.06\*0=0. Running Total = 50.49  
POLYETHYLENE-POLYPROPYLENE POLYMER(@0.05%). MAL Factor = 0. Total increased by 0.05\*0=0. Running Total = 50.49  
ALCOHOL ETHOXYLATES(@0.05%). MAL Factor = 0. Total increased by 0.05\*0=0. Running Total = 50.49  
ZIRCONIUM OXIDE(@0.05%). MAL Factor = 0. Total increased by 0.05\*0=0. Running Total = 50.49  
1,2-BENZISOTHAZOLONE(@0.05%). MAL Factor = 0. Total increased by 0.05\*0=0. Running Total = 50.49  
3-Iodo-2-propynyl butylcarbamate(@0.04%). MAL Factor = 0. Total increased by 0.04\*0=0. Running Total = 50.49  
QUARTZ (>10 microns)(@0.03%). MAL Factor = 0. Total increased by 0.03\*0=0. Running Total = 50.49  
Tripropylene Glycol n-Butyl Ether(@0.03%). MAL Factor = 0. Total increased by 0.03\*0=0. Running Total = 50.49  
SODIUM NITRITE(@0.03%). MAL Factor = 0. Total increased by 0.03\*0=0. Running Total = 50.49  
POLYDIMETHYLSILOXANE(@0.03%). MAL Factor = 0. Total increased by 0.03\*0=0. Running Total = 50.49  
SODIUM CARBONATE(@0.02%). MAL Factor = 0. Total increased by 0.02\*0=0. Running Total = 50.49  
QUARTZ (<10 microns)(@0.02%). MAL Factor = 0. Total increased by 0.02\*0=0. Running Total = 50.49  
AMMONIUM BENZOATE(@0.02%). MAL Factor = 0. Total increased by 0.02\*0=0. Running Total = 50.49  
ZINC OXIDE(@0.01%). MAL Factor = 0. Total increased by 0.01\*0=0. Running Total = 50.49  
1,3-PROPANEDIOL(@0.01%). MAL Factor = 0. Total increased by 0.01\*0=0. Running Total = 50.49  
ALCOHOL ETHOXYLATES(@0.01%). MAL Factor = 0. Total increased by 0.01\*0=0. Running Total = 50.49  
2-ETHYLHEXYL ACRYLATE(@0.01%). MAL Factor = 79. Total increased by 0.01\*79=0.80. Running Total = 51.29  
POLYETHYLENE GLYCOL(@0.01%). MAL Factor = 0. Total increased by 0.01\*0=0. Running Total = 51.29  
2-METHYL-4-ISOTHAZOLIN-3-ONE(@0.01%). MAL Factor = 0. Total increased by 0.01\*0=0. Running Total = 51.29  
OCTAMETHYLCYCLOTETRA-SILOXANE(@0.01%). MAL Factor = 1. Total increased by 0.01\*1=0.01. Running Total = 51.30  
Poly(oxy-1,2-ethanediyl), alpha-undecyl-omega-hydroxy-, branched and linear(@0.01%). MAL Factor = 0. Total increased by 0.01\*0=0. Running Total = 51.30  
METHYL METHACRYLATE(@0.01%). MAL Factor = 46. Total increased by 0.01\*46=0.27. Running Total = 51.57  
HYDROGEN PEROXIDE(@0.01%). MAL Factor = 0. Total increased by 0.01\*0=0. Running Total = 51.57  
pyrithione zinc(@0.00%). MAL Factor = 0. Total increased by 0.00\*0=0. Running Total = 51.57  
Decamethylcyclopentasiloxane(@0.00%). MAL Factor = 0. Total increased by 0.00\*0=0. Running Total = 51.57  
N-BUTYL METHACRYLATE(@0.00%). MAL Factor = 16. Total increased by 0.00\*16=0.06. Running Total = 51.63  
2-butyl-1,2-benzisothiazolin-3-one(@0.00%). MAL Factor = 0. Total increased by 0.00\*0=0. Running Total = 51.63  
2-BROMO-2-NITRO-1,3-PROPANEDIOL(@0.00%). MAL Factor = 0. Total increased by 0.00\*0=0. Running Total = 51.63  
PROPYLENE GLYCOL MONOMETHYL ETHER(@0.00%). MAL Factor = 28. Total increased by 0.00\*28=0.06. Running Total = 51.69  
MAGNESIUM NITRATE(@0.00%). MAL Factor = 0. Total increased by 0.00\*0=0. Running Total = 51.69

2-METHOXY-1-PROPANOL(@0.00%). MAL Factor = 267. Total increased by  $0.00 \times 267 = 0.54$ . Running Total = 52.23  
Carbamic acid, N-butyl-, 2-propyn-1-yl ester(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0.00$ . Running Total = 52.23  
DIETHYLENE GLYCOL(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.23  
VINYL RESIN(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.23  
POLYOXYETHYLENE (20) STEARYL ETHER(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.23  
2,2'-Dithiobis[N-methylbenzamide](@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.23  
SODIUM SULPHATE(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.23  
CALCIUM SULFATE(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.23  
ETHYLENE GLYCOL(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.23  
STYRENE(@0.00%). MAL Factor = 95. Total increased by  $0.00 \times 95 = 0.04$ . Running Total = 52.27  
2-OCTYL-2-H-ISOTHIAZOL-3-ONE(@0.00%). MAL Factor = 20. Total increased by  $0.00 \times 20 = 0.01$ . Running Total = 52.28  
MAGNESIUM CARBONATE(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.28  
MAGNESIUM CHLORIDE(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.28  
METHACRYLIC ACID(@0.00%). MAL Factor = 286. Total increased by  $0.00 \times 286 = 0.11$ . Running Total = 52.40  
CARBON BLACK(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.40  
TETRAMETHYL DECYNE DIOL(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.40  
ETHANOLAMINE(@0.00%). MAL Factor = 500. Total increased by  $0.00 \times 500 = 0.17$ . Running Total = 52.56  
SILANE,DICHLORODIMETHYL-,REACTION PRODUCTS WITH SILICA(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.56  
TIN(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0.00$ . Running Total = 52.56  
GRAPHITE(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.56  
2-BUTOXY ETHANOL(@0.00%). MAL Factor = 25. Total increased by  $0.00 \times 25 = 0.00$ . Running Total = 52.57  
ARSENIC(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.57  
ALUMINUM OXIDE(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.57  
ACRYLONITRILE(@0.00%). MAL Factor = 5. Total increased by  $0.00 \times 5 = 0.00$ . Running Total = 52.57  
ACETIC ACID(@0.00%). MAL Factor = 1. Total increased by  $0.00 \times 1 = 0.00$ . Running Total = 52.57  
NICKEL(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.57  
HYDROCHLORIC ACID(@0.00%). MAL Factor = 2900. Total increased by  $0.00 \times 2900 = 0.13$ . Running Total = 52.70  
SODIUM NITRATE(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.70  
CYCLOHEXANE(@0.00%). MAL Factor = 13. Total increased by  $0.00 \times 13 = 0.00$ . Running Total = 52.70  
SODIUM HYDROXIDE(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.70  
ANTIMONY(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0.00$ . Running Total = 52.70  
BARIUM(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0.00$ . Running Total = 52.70  
SODIUM CHLORIDE(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.70  
2-PYRIDINETHIOL-1-OXIDE SODIUM SALT(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0.00$ . Running Total = 52.70  
CHROMIUM(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.70  
Diiron trioxide (@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 52.70  
1,4-DIOXANE(@0.00%). MAL Factor = 390. Total increased by  $0.00 \times 390 = 0.00$ . Running Total = 52.70  
ETHYLENE OXIDE(@0.00%). MAL Factor = 11. Total increased by  $0.00 \times 11 = 0.00$ . Running Total = 52.70  
Figure-before-the-dash calculated as 0. Via MAL Factor Total \* Density (52.70 \* 1.17) giving a MAL Number of 62

MAL Number = Density (1.17) \* Sum (52.70) = 62

Figure-after-the-dash = 3. Calculated from component data.

acrylic resin (@16.80%) Increasing Total for FAD1 by 16804.557626402, giving 16804.557626402  
TITANIUM DIOXIDE (@9.34%) Increasing Total for FAD1 by 9340.47230951277, giving 26145.02993591477  
ALUMINUM SILICATE (@5.66%) Increasing Total for FAD1 by 56.6194623367357, giving 26201.6493982515057  
acrylic copolymer (@4.10%) Increasing Total for FAD1 by 4102.604847, giving 30304.2542452515057  
proprietary urethane polymer (@2.43%) Increasing Total for FAD1 by 2427.50699444, giving 32731.7612396915057  
DIPROPYLENE GLYCOL MONOMETHYL ETHER (@2.22%) Increasing Total for FAD1 by 2222.3128059, giving 34954.0740455915057  
DIPROPYLENE GLYCOL MONOBUTYL ETHER (@2.21%) Increasing Total for FAD1 by 22.088591919, giving 34976.1626375105057

PETROLEUM DISTILLATES (@0.73%) Increasing Total for FAD1 by 7.2666125, giving 34983.4292500105057  
TRIETHYLENEGLYCOL (@0.71%) Increasing Total for FAD1 by 7.105382960143, giving 34990.5346329706487  
ARYLIDE PIGMENT YELLOW 74 (@0.52%) Increasing Total for FAD1 by 5.21766, giving 34995.7522929706487  
ALIPHATIC POLYURETHANE RESIN (@0.50%) Increasing Total for FAD1 by 498.282, giving 35494.0342929706487  
Alcohols, C16-18 and C18-unsatd., ethoxylated (@0.47%) Increasing Total for FAD1 by 4.6667215371675, giving 35498.7010145078162  
WAX (@0.45%) Increasing Total for FAD1 by 4.47929109054, giving 35503.1803055983562  
tetraamminezinc(2+) carbonate (@0.43%) Increasing Total for FAD1 by 430.1253271, giving 35933.3056326983562  
alkyl polyglycol ether phosphate compound (@0.37%) Increasing Total for FAD3 by 0.18674700048526, giving 0.18674700048526  
ALUMINUM HYDROXIDE (@0.34%) Increasing Total for FAD1 by 3.4413925, giving 35936.7470251983562  
IRON HYDROXIDE OXIDE (@0.29%) Increasing Total for FAD1 by 2.8679882, giving 35939.6150133983562  
THICKENER (@0.25%) Increasing Total for FAD1 by 2.476942425, giving 35942.0919558233562  
siloxane polyalkyleneoxide copolymer (@0.23%) Increasing Total for FAD1 by 232.780741, giving 36174.8726968233562  
AMMONIUM NONYPHENOLETHER SULFATE (@0.20%) Increasing Total for FAD3 by 0.1000260837205, giving 0.28677308420576  
2-(2-BUTOXYETHOXY)ETHANOL (@0.19%) Increasing Total for FAD3 by 0.01869298909299, giving 0.30546607329875  
ACRYLIC POLYMER (@0.19%) Increasing Total for FAD1 by 186.85575, giving 36361.7284468233562  
AMORPHOUS SILICA (@0.18%) Increasing Total for FAD1 by 1.8096395959082, giving 36363.5380864192644  
SILOXANE (@0.17%) Increasing Total for FAD1 by 166.094, giving 36529.6320864192644  
acrylic copolymer (@0.15%) Increasing Total for FAD1 by 145.33225, giving 36674.9643364192644  
ALKOXYLATED BUTYL ETHER (@0.12%) Increasing Total for FAD3 by 0.06039011746, giving 0.36585619075875  
PROPYLENE GLYCOL (@0.12%) Increasing Total for FAD1 by 118.508069, giving 36793.4724054192644  
proprietary organically modified phosphoric acid ester (@0.12%) Increasing Total for FAD1 by 115.7184, giving 36909.1908054192644  
Ethanol, 2-amino-, compd. with .alpha.-sulfo-.omega.-(nonylphenoxy)poly(oxy-1,2-ethanediyl) (1:1) (@0.11%) Increasing Total for FAD1 by 111.130339614, giving 37020.3211450332644  
SILICA (@0.10%) Increasing Total for FAD1 by 98.32912395335, giving 37118.6502689866144  
DIMETHYLAMINOETHANOL (@0.09%) Increasing Total for FAD3 by 0.0088509499472, giving 0.37470714070595  
DIMETHYLAMINOETHANOL (@0.09%) Increasing Total for FAD2 by 0.044254749736, giving 0.044254749736  
Ethanol, 2,2'-(butylimino)bis- (@0.09%) Increasing Total for FAD3 by 0.04386627872585, giving 0.41857341943180  
polyalkylene oxide (@0.08%) Increasing Total for FAD1 by 83.047, giving 37201.6972689866144  
Alcohols, C16-18, ethoxylated (@0.08%) Increasing Total for FAD3 by 0.0082880906, giving 0.42686151003180  
LECITHINS (@0.08%) Increasing Total for FAD1 by 0.802235075322, giving 37202.4995040619364  
AMMONIUM HYDROXIDE (@0.08%) Increasing Total for FAD4 by 0.0022129890005714285714285714, giving 0.0022129890005714285714285714  
AMMONIUM HYDROXIDE (@0.08%) Increasing Total for FAD3 by 0.015490923004, giving 0.44235243303580  
ETHYL ALCOHOL (@0.07%) Increasing Total for FAD1 by 65.42972946252, giving 37267.9292335244564  
POLYETHYLENE GLYCOL OCTYLPHENYL ETHER (@0.07%) Increasing Total for FAD1 by 65.396605855, giving 37333.3258393794564  
WHITE MINERAL OIL (PETROLEUM) (@0.06%) Increasing Total for FAD1 by 0.6228525, giving 37333.9486918794564  
4,5-Dichloro-2-octyl-2H-isothiazol-3-one (@0.056056725%) Increasing Total for FAD5 by 0.056056725, giving 0.056056725  
POLYETHYLENE-POLYPROPYLENE POLYMER (@0.05%) Increasing Total for FAD1 by 0.5185246147134, giving 37334.4672164941698  
ALCOHOL ETHOXYLATES (@0.05%) Increasing Total for FAD3 by 0.0049662106, giving 0.44731864363580  
ZIRCONIUM OXIDE (@0.05%) Increasing Total for FAD1 by 0.4916275, giving 37334.9588439941698  
1,2-BENZISOTHIAZOLONE (@0.05%) Increasing Total for FAD3 by 0.04846198795023, giving 0.49578063158603  
3-Iodo-2-propynyl butylcarbamate (@0.04%) Increasing Total for FAD3 by 0.044732175, giving 0.54051280658603  
ADDITIVE (@0.04%) Increasing Total for FAD1 by 41.5235, giving 37376.4823439941698  
QUARTZ (>10 microns) (@0.03%) Increasing Total for FAD1 by 0.3401544602551, giving 37376.8224984544249  
Tripropylene Glycol n-Butyl Ether (@0.03%) Increasing Total for FAD1 by 0.334098081, giving 37377.1565965354249  
ethanol, 2-butoxy-, manufacture of, by-products from (@0.03%) Increasing Total for FAD1 by 28.23598, giving 37405.3925765354249  
SODIUM NITRITE (@0.03%) Increasing Total for FAD6 by 0.1328752, giving 0.1328752  
SODIUM NITRITE (@0.03%) Increasing Total for FAD3 by 0.2657504, giving 0.80626320658603  
POLYDIMETHYLSILOXANE (@0.03%) Increasing Total for FAD1 by 0.26562665997, giving 37405.6582031953949

fatty acid tall oil reaction product with diethanoltriamine and monobasic acid (@0.02%) Increasing Total for FAD1 by 22.991584, giving 37428.6497871953949  
SODIUM CARBONATE (@0.02%) Increasing Total for FAD3 by 0.0107531331775, giving 0.81701633976353  
polyglycoether (@0.02%) Increasing Total for FAD1 by 21.1431, giving 37449.7928871953949  
QUARTZ (<10 microns) (@0.02%) Increasing Total for FAD6 by 0.001700772301274, giving 0.134575972301274  
QUARTZ (<10 microns) (@0.02%) Increasing Total for FAD3 by 0.01700772301274, giving 0.83402406277627  
AMMONIUM BENZOATE (@0.02%) Increasing Total for FAD3 by 0.0166094, giving 0.85063346277627  
ZINC OXIDE (@0.01%) Increasing Total for FAD1 by 12.45705, giving 37462.2499371953949  
1,3-PROPANEDIOL (@0.01%) Increasing Total for FAD1 by 11.211345, giving 37473.4612821953949  
METHYL PARABAN (@0.01%) Increasing Total for FAD1 by 10.380875, giving 37483.8421571953949  
ALCOHOL ETHOXYLATES (@0.01%) Increasing Total for FAD3 by 0.00103393515, giving 0.85166739792627  
2-ETHYLHEXYL ACRYLATE (@0.010182558764%) Increasing Total for FAD5 by 0.010182558764, giving 0.066239283764  
2-ETHYLHEXYL ACRYLATE (@0.01%) Increasing Total for FAD3 by 0.10182558764, giving 0.95349298556627  
POLYETHYLENE GLYCOL (@0.01%) Increasing Total for FAD1 by 0.08700784505, giving 37483.9291650404449  
2-METHYL-4-ISOTHIAZOLIN-3-ONE (@0.01%) Increasing Total for FAD6 by 0.008339164505, giving 0.142915136806274  
2-METHYL-4-ISOTHIAZOLIN-3-ONE (@0.01%) Increasing Total for FAD3 by 0.2779721501666666666666666667, giving 1.2314651357329366666666666667  
OCTAMETHYLCYCLOTETRA-SILOXANE (@0.01%) Increasing Total for FAD3 by 0.00825477660752, giving 1.2397199123404566666666666667  
POLYETHER SILOXANE COPOLYMER (@0.01%) Increasing Total for FAD1 by 7.30191225033, giving 37491.2310772907749  
proprietary defoamer (@0.01%) Increasing Total for FAD1 by 7.11878884, giving 37498.3498661307749  
Poly(oxy-1,2-ethanediyl), alpha-undecyl-omega-hydroxy-, branched and linear (@0.01%) Increasing Total for FAD3 by 0.006394619, giving  
1.2461145313404566666666666667  
METHYL METHACRYLATE (@0.005934289479%) Increasing Total for FAD5 by 0.0011868578958, giving 0.0674261416598  
METHYL METHACRYLATE (@0.01%) Increasing Total for FAD3 by 0.005934289479, giving 1.2520488208194566666666666667  
HYDROGEN PEROXIDE (@0.01%) Increasing Total for FAD4 by 0.00581329, giving 0.0080262790005714285714285714  
HYDROGEN PEROXIDE (@0.01%) Increasing Total for FAD3 by 0.0581329, giving 1.3101817208194566666666666667  
polycarbonic acid ammonium salt (@0.00%) Increasing Total for FAD1 by 4.6588599963, giving 37503.0087261270749  
pyrithione zinc (@0.00%) Increasing Total for FAD3 by 0.004567585, giving 1.3147493058194566666666666667  
proprietary polyglycoether (@0.00%) Increasing Total for FAD1 by 4.449984, giving 37507.4587101270749  
residual monomers, composition unknown (@0.00%) Increasing Total for FAD1 by 4.102604847, giving 37511.5613149740749  
Decamethylcyclopentasiloxane (@0.00%) Increasing Total for FAD1 by 0.0410242660752, giving 37511.6023392401501  
dodecamethylcyclohexasiloxane (@0.00%) Increasing Total for FAD1 by 4.10242660752, giving 37515.7047658476701  
N-BUTYL METHACRYLATE (@0.003737115%) Increasing Total for FAD5 by 0.003737115, giving 0.0711632566598  
2-butyl-1,2-benzisothiazolin-3-one (@0.00355939442%) Increasing Total for FAD5 by 0.00355939442, giving 0.0747226510798  
2-BROMO-2-NITRO-1,3-PROPANEDIOL (@0.00%) Increasing Total for FAD3 by 0.00310128, giving 1.3178505858194566666666666667  
PROPYLENE GLYCOL MONOMETHYL ETHER (@0.00%) Increasing Total for FAD1 by 2.242269, giving 37517.9470348476701  
MAGNESIUM NITRATE (@0.00%) Increasing Total for FAD3 by 0.00107531331775, giving 1.3189258991372066666666666667  
2-METHOXY-1-PROPANOL (@0.00%) Increasing Total for FAD6 by 0.00100902105, giving 0.143924157856274  
Carbamic acid, N-butyl-, 2-propyn-1-yl ester (@0.00%) Increasing Total for FAD1 by 1.4533225, giving 37519.4003573476701  
DIETHYLENE GLYCOL (@0.00%) Increasing Total for FAD3 by 0.000111066098337, giving 1.3190369652355436666666666667  
neutralized polymeric styrene maleic anhydrite (@0.00%) Increasing Total for FAD1 by 1.0879, giving 37520.4882573476701  
VINYL RESIN (@0.00%) Increasing Total for FAD1 by 0.0105892, giving 37520.4988465476701  
POLYOXYETHYLENE (20) STEARYL ETHER (@0.00%) Increasing Total for FAD3 by 0.000458099285285, giving 1.3194950645208286666666666667  
2,2'-Dithiobis[N-methylbenzamide] (@0.00073994877%) Increasing Total for FAD5 by 0.00073994877, giving 0.0754625998498  
SODIUM SULPHATE (@0.00%) Increasing Total for FAD1 by 0.00721325, giving 37520.5060597976701  
CALCIUM SULFATE (@0.00%) Increasing Total for FAD1 by 0.00721325, giving 37520.5132730476701  
ETHYLENE GLYCOL (@0.00%) Increasing Total for FAD2 by 0.000071199789741, giving 0.044325949525741  
STYRENE (@0.00%) Increasing Total for FAD6 by 0.000087780679, giving 0.144011938535274  
STYRENE (@0.00%) Increasing Total for FAD3 by 0.00438903395, giving 1.3238840984708286666666666667  
2-OCTYL-2-H-ISOTHIAZOL-3-ONE (@0.00%) Increasing Total for FAD6 by 0.00214574325, giving 0.146157681785274

MAGNESIUM CARBONATE (@0.00%) Increasing Total for FAD1 by 0.003950130555, giving 37520.5172231782251  
MAGNESIUM CHLORIDE (@0.00%) Increasing Total for FAD1 by 0.003950130555, giving 37520.5211733087801  
METHACRYLIC ACID (@0.00039447325%) Increasing Total for FAD5 by 0.00007889465, giving 0.0755414944998  
METHACRYLIC ACID (@0.00%) Increasing Total for FAD3 by 0.00039447325, giving 1.3242785717208286666666666667  
CARBON BLACK (@0.00%) Increasing Total for FAD6 by 0.00001524, giving 0.146172921785274  
CARBON BLACK (@0.00%) Increasing Total for FAD3 by 0.0000381, giving 1.324316671720828666666666666667  
TETRAMETHYL DECYNE DIOL (@0.00%) Increasing Total for FAD3 by 0.000036162, giving 1.324352833720828666666666666667  
ETHANOLAMINE (@0.00%) Increasing Total for FAD3 by 0.000033123590022, giving 1.324385957310850666666666666667  
ETHANOLAMINE (@0.00%) Increasing Total for FAD2 by 0.00016561795011, giving 0.044491567475851  
SILANE,DICHLORODIMETHYL-,REACTION PRODUCTS WITH SILICA (@0.00%) Increasing Total for FAD1 by 0.0033123590022, giving 37520.5244856677823  
TIN (@0.00%) Increasing Total for FAD1 by 0.30480905, giving 37520.8292947177823  
GRAPHITE (@0.00%) Increasing Total for FAD1 by 0.0028853, giving 37520.8321800177823  
2-BUTOXY ETHANOL (@0.00%) Increasing Total for FAD3 by 0.00001882476243, giving 1.324404782073280666666666666667  
ARSENIC (@0.00%) Increasing Total for FAD6 by 0.00063911575, giving 0.146812037535274  
ISOTHIAZOLONE SOLUTION (@0.00%) Increasing Total for FAD1 by 0.10579644848, giving 37520.9379764662623  
ALUMINUM OXIDE (@0.00%) Increasing Total for FAD1 by 0.0009059976277, giving 37520.9388824638900  
ACRYLONITRILE (@0.00%) Increasing Total for FAD6 by 0.00087780679, giving 0.147689844325274  
ACETIC ACID (@0.00%) Increasing Total for FAD4 by 0.00000217698311, giving 0.0080284559836814285714285714  
NICKEL (@0.00%) Increasing Total for FAD6 by 0.00000983255, giving 0.147699676875274  
NICKEL (@0.00004916275%) Increasing Total for FAD5 by 0.0004916275, giving 0.0760331219998  
HYDROCHLORIC ACID (@0.00%) Increasing Total for FAD4 by 0.000009059990256, giving 0.0080375159739374285714285714  
HYDROCHLORIC ACID (@0.00%) Increasing Total for FAD3 by 0.0001132498782, giving 1.324518031951480666666666666667  
SODIUM NITRATE (@0.00%) Increasing Total for FAD1 by 0.0003372737211, giving 37520.9392197376111  
CYCLOHEXANE (@0.00%) Increasing Total for FAD1 by 0.03312360752, giving 37520.9723433451311  
SODIUM HYDROXIDE (@0.00%) Increasing Total for FAD4 by 0.00003312360752, giving 0.0080706395814574285714285714  
SODIUM HYDROXIDE (@0.00%) Increasing Total for FAD3 by 0.000828090188, giving 1.325346122139480666666666666667  
ANTIMONY (@0.00%) Increasing Total for FAD1 by 0.02949765, giving 37521.0018409951311  
BARIUM (@0.00%) Increasing Total for FAD1 by 0.0196651, giving 37521.0215060951311  
SODIUM CHLORIDE (@0.00%) Increasing Total for FAD1 by 0.0001277869699, giving 37521.0216338821010  
2-PYRIDINETHIOL-1-OXIDE SODIUM SALT (@0.00%) Increasing Total for FAD1 by 0.01177731511, giving 37521.0334111972110  
CHROMIUM (@0.00%) Increasing Total for FAD3 by 0.000000983255, giving 1.325347105394480666666666666667  
Diiron trioxide (@0.00%) Increasing Total for FAD1 by 0.0000543594048, giving 37521.0334655566158  
1,4-DIOXANE (@0.00%) Increasing Total for FAD6 by 0.000000166094, giving 0.147699842969274  
1,4-DIOXANE (@0.00%) Increasing Total for FAD3 by 0.0000166094, giving 1.325363714794480666666666666667  
ETHYLENE OXIDE (@0.00%) Increasing Total for FAD6 by 0.0000083047, giving 0.147708147669274  
Figure-after-the-dash =3. Total of components with FAD=3 is >=1.

Low Boiling Liquid = False.

AMMONIUM HYDROXIDE (@0.08%) Total increased by  $0.08 \times 50 / 100 = 0.04$ . Running Total = 0.04

ETHYL ALCOHOL (@0.07%) Total increased by  $0.07 \times 7 / 200 = 0.00$ . Running Total = 0.04

ETHYLENE OXIDE (@0.00%) Total increased by  $0.00 \times 11 / 100 = 0.00$ . Running Total = 0.04

Density \* (Sum of components Concentration \* MALFactor/LBLFactor) = 0.05

Recommended Usage Temperature is < 40C, hence no MAL Code in use is assigned.

### Audit - RFU MAL Code

EU Denmark RFU MAL Code:-

Nothing was found

### New Fields for IA3.3

MAL-code : 0-3

- MAL Number** : 61.6583  
**MAL Number (RFU)** : Not applicable.  
**Protection based on MAL** : **According to the regulations on work involving coded products, the following stipulations apply to the use of personal protective equipment:**

**General:** Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In this case, other recommended use of eye protection is not required.

In all spraying operations in which there is return spray, the following must be worn: respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed.

MAL-code: 0-3

**Application:** During downtimes, cleaning and repair of closed facilities, spray booths or cabins, if there is a risk of contact with wet paint or organic solvents. When using scraper or knife, brush, roller, etc. for pre- and post-treatments in cabins or booths of the existing\* facility type, if the operator is inside the spray zone.

- Coveralls must be worn.

When spraying in existing\* spray booths, if the operator is outside the spray zone.

- Arm protectors and apron must be worn.

During non-atomizing spraying in existing\* facilities of the combined-cabin, spray-cabin and spray-booth type where the operator is working inside the spray zone.

- Gas filter mask must be worn.

During all spraying where atomization occurs in cabins or spray booths where the operator is inside the spray zone and during spraying outside a closed facility, cabin or booth.

- Air-supplied full mask, coveralls and hood must be worn.

**Drying:** Items for drying/drying ovens that are temporarily placed on such things as rack trolleys, etc. must be equipped with a mechanical exhaust system to prevent fumes from wet items from passing through workers' inhalation zone.

**Polishing:** When polishing treated surfaces, a mask with dust filter must be worn. When machine grinding, eye protection must be worn. Work gloves must always be

worn.

**Caution** The regulations contain other stipulations in addition to the above.

\*See Regulations.

**Protection based on R-F-U  
MAL** : Not available.

Not available.

Not available.