

# Audit - EU DK MAL Code

## SIGMADUR 540 BASE BASE L

### Denmark MAL Code

#### Audit - MAL Code

EU Denmark MAL Code:- 4-3

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

Product is a Liquid

SIGMADUR 540 BASE BASE L - Components considered for the MAL Code calculation. {Denmark MAL Code}

TITANIUM DIOXIDE (29.689297556%)

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 = 29689.298

acrylic resin (13.14835%)

CAS: SUB139279

Density: 0

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

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 13148.35

N-BUTYL ACETATE (10.3792121362%)

Organic Solvent.

CAS: 123-86-4

Density: 0.881

Relative Density: 0.88

Molecular Weight: 116.18

Boiling Point: 126

Vapour Pressure: 11.25096

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

MAL Factor entered: 14. Limit: 0

FAD entered: 1; Lower Limit: 0

FAD 1 Quotient = 10379.212

XYLENES (6.760438975%)

Organic Solvent.

CAS: 1330-20-7

Density: 0.86

Relative Density: 0.861

Molecular Weight: 106.17

Boiling Point: 136.16  
Vapour Pressure: 6.7  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 46. Limit: 0  
FAD entered: 1; Lower Limit: 0.2  
FAD 3 Quotient = 0.676  
FAD 1 Quotient = 33.802

acrylic resin (6.387705%)

CAS: SUB110668  
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 = 6387.705

polyacrylate resin (5.7%)

CAS: SUB110590  
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 = 5700

Reaction mass of dimethyl adipate and dimethyl glutarate and dimethyl succinate (4.9875%)

CAS: SUB135541  
Density: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)  
FAD 1 Quotient = 4987.5

Solvent naphtha (petroleum), light arom. (3.63%)

CAS: 64742-95-6  
Density: 0.875  
Boiling Point: 167.5  
Vapour Pressure: 5.66  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
R Phrases: R10 N;R51/53  
MAL Factor from Sub-Annex 2: 50  
FAD: 1. (Default)  
FAD 1 Quotient = 3630

ISOBUTYL ALCOHOL (3.57499%)

Organic Solvent.  
CAS: 78-83-1  
Density: 0.802  
Relative Density: 0.8  
Molecular Weight: 74.14  
Boiling Point: 108  
Vapour Pressure: 10.800918  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 67. Limit: 0

FAD entered: 1; Lower Limit: 0  
FAD 1 Quotient = 3574.99  
POLYETHER POLYOL (2.5%)  
CAS: 9082-00-2  
Density: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)  
FAD 1 Quotient = 2500  
1-METHOXY-2-PROPYL ACETATE (1.93965680798003%)  
Organic Solvent.  
CAS: 108-65-6  
Density: 0.962  
Relative Density: 0.96  
Molecular Weight: 132.18  
Boiling Point: 145.8  
Vapour Pressure: 2.7  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 19. Limit: 0  
FAD entered: 1; Lower Limit: 0  
FAD 1 Quotient = 1939.657  
Hydrocarbons, C9, aromatics (1.824%)  
CAS: 64742-95-6  
Density: 0.879  
Molecular Weight: 123  
Boiling Point: 172.5  
Vapour Pressure: 1.5  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 58. Limit: 0  
FAD entered: 1; Lower Limit: 0.1  
FAD 1 Quotient = 18.24  
ETHYLBENZENE (1.716601%)  
Organic Solvent.  
Carcinogen.  
CAS: 100-41-4  
Density: 0.866  
Relative Density: 0.9  
Molecular Weight: 106.18  
Boiling Point: 136.1  
Vapour Pressure: 9.30076  
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 3 Quotient = 0.172  
BARIUM SULFATE (1.58416%)  
CAS: 7727-43-7  
Density: 4.5  
Molecular Weight: 233.4

Boiling Point: 1599.85

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 = 1584.16

ALUMINUM HYDROXIDE (1.09902212%)

CAS: 21645-51-2

Density: 2.42

Molecular Weight: 78

Vapour Pressure: 0.0675

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 = 10.990

ZINC ORTHOPHOSPHATE (0.98%)

CAS: 7779-90-0

Density: 3.26

Molecular Weight: 386.05

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 = 980

12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine (0.837%)

CAS: 220926-97-6

Density: 1.02

Vapour Pressure: 0.000326

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

MAL Factor from OEL: 0

R Phrases: Xn;R20

FAD: 1. (Default)

FAD 1 Quotient = 837

2,6-DIMETHYLHEPTANONE (0.65107%)

Organic Solvent.

CAS: 108-83-8

Density: 0.81

Relative Density: 0.805

Molecular Weight: 142.27

Boiling Point: 168.26

Vapour Pressure: 1.72514

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

MAL Factor entered: 47. Limit: 0

FAD entered: 1; Lower Limit: 0

FAD 1 Quotient = 651.07

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (0.5%)

CAS: 1065336-91-5

Density: 0.992

Molecular Weight: 878.31

Boiling Point: 330

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

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 500

1,3,5-TRIMETHYLBENZENE (0.361325%)

Organic Solvent.

CAS: 108-67-8

Density: 0.86

Relative Density: 0.86

Molecular Weight: 120.19

Boiling Point: 164.74

Vapour Pressure: 2.4002

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

MAL Factor entered: 58. Limit: 0

FAD entered: 1; Lower Limit: 0

FAD 1 Quotient = 361.325

SILICA (0.31400632%)

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

R Phrases: None

FAD: 1. (Default)

FAD 1 Quotient = 314.006

Hexanoic acid, 2-ethyl-, zinc salt, basic (0.239795%)

CAS: 85203-81-2

Density: 1.5

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 = 239.795

N-BUTYL ACRYLATE (0.2393545%)

Organic Solvent.

CAS: 141-32-2

Density: 0.9

Relative Density: 0.9

Molecular Weight: 128.19

Boiling Point: 147

Vapour Pressure: 3.75032

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

MAL Factor entered: 180. Limit: 0

FAD entered: 3; Lower Limit: 0.1

FAD 5 Quotient = 0.239

FAD 3 Quotient = 2.394

BLOCKED COPOLYMER (0.18%)

CAS: SUB100054

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: 0.1

FAD 1 Quotient = 1.8

ZIRCONIUM OXIDE (0.15700316%)

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: 0.1

FAD 1 Quotient = 1.570

TRIMETHYLOLPROPANE (0.141302844%)

CAS: 77-99-6

Density: 1.084

Molecular Weight: 134.2

Boiling Point: 304.2

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 = 1.413

TOLUENE (0.109456075%)

Organic Solvent.

CAS: 108-88-3

Density: 0.87

Relative Density: 0.87

Molecular Weight: 92.14

Boiling Point: 110.6

Vapour Pressure: 23.17

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

MAL Factor entered: 74. Limit: 0

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

FAD 3 Quotient = 0.011

NAPHTHA (PETROLEUM); HYDROTREATED HEAVY (0.076%)

CAS: 64742-48-9

Density: 0.775

Molecular Weight: 143

Boiling Point: 186

Vapour Pressure: 1.50012

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

R Phrases: R10 Xn;R65 R66

MAL Factor from Sub-Annex 2: 1000

FAD: 1. (Default)

FAD 1 Quotient = 76

non-hazardous polymer (0.063%)

CAS: SUB137438

Density: 0

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

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 63

METHYL METHACRYLATE (0.046076114777%)

Organic Solvent.

CAS: 80-62-6

Density: 0.94

Relative Density: 0.94

Molecular Weight: 100.13

Boiling Point: 100.36

Vapour Pressure: 27.75236

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 = 0.009

FAD 3 Quotient = 0.046

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (0.03493%)

CAS: 64742-48-9

Density: 0.76

Boiling Point: 151.5

Vapour Pressure: 3.75

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

MAL Factor entered: 12. Limit: 0

FAD entered: 1; Lower Limit: 0

FAD 1 Quotient = 34.93

ALKOXYLATED BUTYL ETHER (0.03%)

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 = 0.015

ZINC OXIDE (0.02%)

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 = 20

QUARTZ (<10 microns) (0.01584%)

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 = 0.016

1-BUTANOL (0.0150000110586%)

Organic Solvent.  
CAS: 71-36-3  
Density: 0.81  
Relative Density: 0.81  
Molecular Weight: 74.14  
Boiling Point: 119  
Vapour Pressure: 6.750576  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
MAL Factor entered: 67. Limit: 0  
FAD entered: 1; Lower Limit: 0  
FAD 1 Quotient = 15.000

SILICONE CONTAINING ADDITIVE (0.014%)

CAS: SUB119851  
Density: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)  
FAD 1 Quotient = 14

polysiloxane (0.014%)

CAS: SUB144062  
Density: 0  
No LBL Factor entered or estimated from CAS Number or Boiling Point.  
No MAL Factor calculated.  
FAD: 1. (Default)  
FAD 1 Quotient = 14

METHYL ALCOHOL (0.01000011122%)

Organic Solvent.  
CAS: 67-56-1  
Density: 0.792  
Relative Density: 0.79  
Molecular Weight: 32.05  
Boiling Point: 64.7  
Vapour Pressure: 126.96329  
LBLFactor = 100 (BP=64.7)  
MAL Factor entered: 54. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 6 Quotient = 0.001  
FAD 3 Quotient = 0.010

polyglycol (0.00757566%)



CAS: SUB144063

Density: 0

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

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 7.576

2-METHOXY-1-PROPYL ACETATE (0.005906749345%)

Organic Solvent.

CAS: 70657-70-4

Density: 0.97

Molecular Weight: 132.18

Boiling Point: 150.5

Vapour Pressure: 2.9

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

MAL Factor entered: 181. Limit: 0

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

FAD 6 Quotient = 0.030

WATER (0.00545006902314%)

CAS: 7732-18-5

Density: 1

Molecular Weight: 18.02

Boiling Point: 100

Vapour Pressure: 17.5

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

MAL Factor entered: 0. Limit: 0

FAD entered: 0; Lower Limit: 0

BENZENE (0.005403%)

Organic Solvent.

Carcinogen.

CAS: 71-43-2

Density: 0.877

Relative Density: 0.88

Molecular Weight: 78.12

Boiling Point: 80.09

Vapour Pressure: 75.00609

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

MAL Factor entered: 880. Limit: 0

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

FAD 6 Quotient = 0.054

PROPYLENE GLYCOL MONOMETHYL ETHER (0.0038002452444%)

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 = 3.800

ACETIC ACID (0.00078501876195%)

Organic Solvent.

CAS: 64-19-7

Density: 1.04

Relative Density: 1.05

Molecular Weight: 60.06

Boiling Point: 117.9

Vapour Pressure: 15.59383

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

organotin compound (0.000396%)

CAS: SUB143296

Density: 0

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 = 0.396

OCTAMETHYLCYCLOTETRASILOXANE (0.0001785%)

CAS: 556-67-2

Density: 0.95

Relative Density: 0.96

Molecular Weight: 296.68

Boiling Point: 175

Vapour Pressure: 0.99008

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 = 0.000

acrylic copolymer (0.00012488%)

CAS: SUB110897

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 = 0.125

CUMENE (0.00011%)

Organic Solvent.

CAS: 98-82-8

Density: 0.86

Relative Density: 0.9

Molecular Weight: 120.21

Boiling Point: 152

Vapour Pressure: 3.72032

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 = 0.000

Decamethylcyclopentasiloxane (0.0001%)

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 = 0.001

dodecamethylcyclohexasiloxane (0.00004%)

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 = 0.04

BLOCK COPOLYMER (0.0000136916%)

CAS: SUB101356

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 = 0.014

DIMETHYL GLUTARATE (0.00001044309%)

CAS: 1119-40-0

Density: 1.09

Molecular Weight: 160.17

Boiling Point: 216

Vapour Pressure: 0.062

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

MAL Factor entered: 4. Limit: 0

FAD entered: 1; Lower Limit: 0

FAD 1 Quotient = 0.010

ORGANIC DERIVATIVE OF A MONTMORILLONITE CLAY (0.000004875%)

CAS: 121888-68-4

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 = 0.000

DIMETHYL SUCCINATE (0.00000357469%)

CAS: 106-65-0  
Density: 1.119  
Molecular Weight: 146.16  
Boiling Point: 196.2  
Vapour Pressure: 0.18  
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 = 0.004

DIMETHYL ADIPATE (0.000001553195%)

CAS: 627-93-0  
Density: 1.062  
Molecular Weight: 174.22  
Boiling Point: 230.9  
Vapour Pressure: 0.021  
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

PROPYLENE OXIDE (0.000001%)

Organic Solvent.  
Carcinogen.  
CAS: 75-56-9  
Density: 0.83  
Relative Density: 0.8  
Molecular Weight: 58.09  
Boiling Point: 34.23  
Vapour Pressure: 538  
LB�Factor = 100 (BP=34.23)  
MAL Factor entered: 1. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 6 Quotient = 0.000

2-Propenoic acid, 2-methyl-, 1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, exo- (0.000000534977%)

CAS: 7534-94-3  
Density: 0.983  
Molecular Weight: 222.33  
Boiling Point: 275  
Vapour Pressure: 0.009  
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 3 Quotient = 0.000

N-BUTYL METHACRYLATE (0.000000529848%)

Organic Solvent.  
CAS: 97-88-1  
Density: 0.89  
Relative Density: 0.9

Molecular Weight: 142.22  
Boiling Point: 163  
Vapour Pressure: 1.59014  
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 = 0.000

ACETALDEHYDE (0.0000002%)

Organic Solvent.  
Carcinogen.  
CAS: 75-07-0  
Density: 0  
Relative Density: 0.78  
Molecular Weight: 44.06  
Boiling Point: 20.1  
Vapour Pressure: 900.07313  
LBLFactor = 100 (BP=20.1)  
MAL Factor entered: 1. Limit: 0  
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.  
FAD 3 Quotient = 0.000

HYDROCHLORIC ACID (0.0000002%)

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

QUARTZ (>10 microns) (0.000000125%)

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 = 0.000

FORMALDEHYDE (0.0000001%)

Carcinogen.  
CAS: 50-00-0  
Density: 1.09  
Relative Density: 0.812  
Molecular Weight: 30.03  
Boiling Point: 98  
Vapour Pressure: 1

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

MAL Factor entered: 2500. 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 (0.0000001%)

Carcinogen.

CAS: 75-21-8

Density: 0.882

Relative Density: 0.9

Molecular Weight: 44.06

Boiling Point: 10.7

Vapour Pressure: 1314.1117

LB�Factor = 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

1,4-DIOXANE (0.00000008%)

Organic Solvent.

Carcinogen.

CAS: 123-91-1

Density: 1.03

Relative Density: 1.03

Molecular Weight: 88.12

Boiling Point: 101.15

Vapour Pressure: 30.7525

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

METHYL CHLORIDE (0.00000008%)

Carcinogen.

CAS: 74-87-3

Density: 0.911

Relative Density: 0.92

Molecular Weight: 50.49

Boiling Point: -23.7

Vapour Pressure: 3671.9

LB�Factor = 100 (BP=-23.7)

MAL Factor from OEL: 476.19 \*\* Warning: An Evaporation Rate Correction Factor of 2 was used. Contact the Authorities for a MAL Factor.

R Phrases: F+;R12 Xn;R48/20 Carc.Cat.3;R40

FAD: 1. (Default)

FAD 1 Quotient = 0.000

2-TERT-BUTYLAMINOETHYL METHACRYLATE (0.0000000446%)

CAS: 3775-90-4

Density: 0.914

Relative Density: 0.9

Molecular Weight: 185.3  
Boiling Point: 215  
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: No limit specified. A very low value will be used.  
FAD 3 Quotient = 0.000  
FAD 5 Quotient = 0.000

BUTYLATED HYDROXYTOLUENE (0.00000000852525%)

CAS: 128-37-0  
Density: 1.03  
Relative Density: 1.048  
Molecular Weight: 220.39  
Boiling Point: 265  
Vapour Pressure: 0.00825  
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

ISOBUTYL METHACRYLATE (0.000000005352%)

Organic Solvent.  
CAS: 97-86-9  
Density: 0.88  
Relative Density: 0.8858  
Molecular Weight: 142.22  
Boiling Point: 155  
Vapour Pressure: 1.58263  
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 = 0.000  
FAD 5 Quotient = 0.000

TIN (0.0000000028963%)

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 = 0.000

4-METHOXYPHENOL (0.00000000223%)

CAS: 150-76-5  
Density: 1.6  
Relative Density: 1.55  
Molecular Weight: 124.15

Boiling Point: 243

Vapour Pressure: 0.00675

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

Density = 1.313. Entered value.

Figure-before-the dash = 4

TITANIUM DIOXIDE(@29.69%). MAL Factor = 0. Total increased by  $29.69 \times 0 = 0$ . Running Total = 0

N-BUTYL ACETATE(@10.38%). MAL Factor = 14. Total increased by  $10.38 \times 14 = 145.31$ . Running Total = 145.31

XYLENES(@6.76%). MAL Factor = 46. Total increased by  $6.76 \times 46 = 310.98$ . Running Total = 456.29

Solvent naphtha (petroleum), light arom.(@3.63%). MAL Factor = 50. Total increased by  $3.63 \times 50 = 181.50$ . Running Total = 637.79

ISOBUTYL ALCOHOL(@3.57%). MAL Factor = 67. Total increased by  $3.57 \times 67 = 239.52$ . Running Total = 877.31

1-METHOXY-2-PROPYL ACETATE(@1.94%). MAL Factor = 19. Total increased by  $1.94 \times 19 = 36.85$ . Running Total = 914.17

Hydrocarbons, C9, aromatics (@1.82%). MAL Factor = 58. Total increased by  $1.82 \times 58 = 105.79$ . Running Total = 1019.96

ETHYLBENZENE(@1.72%). MAL Factor = 46. Total increased by  $1.72 \times 46 = 78.96$ . Running Total = 1098.92

BARIUM SULFATE(@1.58%). MAL Factor = 0. Total increased by  $1.58 \times 0 = 0$ . Running Total = 1098.92

ALUMINUM HYDROXIDE(@1.10%). MAL Factor = 0. Total increased by  $1.10 \times 0 = 0$ . Running Total = 1098.92

ZINC ORTHOPHOSPHATE(@0.98%). MAL Factor = 0. Total increased by  $0.98 \times 0 = 0$ . Running Total = 1098.92

12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine(@0.84%). MAL Factor = 0. Total increased by  $0.84 \times 0 = 0.00$ .

Running Total = 1098.92

2,6-DIMETHYLHEPTANONE(@0.65%). MAL Factor = 47. Total increased by  $0.65 \times 47 = 30.60$ . Running Total = 1129.52

1,3,5-TRIMETHYLBENZENE(@0.36%). MAL Factor = 58. Total increased by  $0.36 \times 58 = 20.96$ . Running Total = 1150.48

SILICA(@0.31%). MAL Factor = 0. Total increased by  $0.31 \times 0 = 0$ . Running Total = 1150.48

Hexanoic acid, 2-ethyl-, zinc salt, basic(@0.24%). MAL Factor = 0. Total increased by  $0.24 \times 0 = 0$ . Running Total = 1150.48

N-BUTYL ACRYLATE(@0.24%). MAL Factor = 180. Total increased by  $0.24 \times 180 = 43.08$ . Running Total = 1193.56

BLOCKED COPOLYMER(@0.18%). MAL Factor = 0. Total increased by  $0.18 \times 0 = 0$ . Running Total = 1193.56

ZIRCONIUM OXIDE(@0.16%). MAL Factor = 0. Total increased by  $0.16 \times 0 = 0$ . Running Total = 1193.56

TRIMETHYLOLPROPANE(@0.14%). MAL Factor = 0. Total increased by  $0.14 \times 0 = 0$ . Running Total = 1193.56

TOLUENE(@0.11%). MAL Factor = 74. Total increased by  $0.11 \times 74 = 8.10$ . Running Total = 1201.66

NAPHTHA (PETROLEUM); HYDROTREATED HEAVY(@0.08%). MAL Factor = 1000. Total increased by  $0.08 \times 1000 = 76.00$ . Running Total = 1277.66

METHYL METHACRYLATE(@0.05%). MAL Factor = 46. Total increased by  $0.05 \times 46 = 2.12$ . Running Total = 1279.78

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics(@0.03%). MAL Factor = 12. Total increased by  $0.03 \times 12 = 0.42$ . Running Total = 1280.20

ALKOXYLATED BUTYL ETHER(@0.03%). MAL Factor = 0. Total increased by  $0.03 \times 0 = 0$ . Running Total = 1280.20

ZINC OXIDE(@0.02%). MAL Factor = 0. Total increased by  $0.02 \times 0 = 0$ . Running Total = 1280.20

QUARTZ (<10 microns)(@0.02%). MAL Factor = 0. Total increased by  $0.02 \times 0 = 0$ . Running Total = 1280.20

1-BUTANOL(@0.02%). MAL Factor = 67. Total increased by  $0.02 \times 67 = 1.01$ . Running Total = 1281.21

METHYL ALCOHOL(@0.01%). MAL Factor = 54. Total increased by  $0.01 \times 54 = 0.54$ . Running Total = 1281.75

2-METHOXY-1-PROPYL ACETATE(@0.01%). MAL Factor = 181. Total increased by  $0.01 \times 181 = 1.07$ . Running Total = 1282.82

WATER(@0.01%). MAL Factor = 0. Total increased by  $0.01 \times 0 = 0$ . Running Total = 1282.82

BENZENE(@0.01%). MAL Factor = 880. Total increased by  $0.01 \times 880 = 4.75$ . Running Total = 1287.57

PROPYLENE GLYCOL MONOMETHYL ETHER(@0.00%). MAL Factor = 28. Total increased by  $0.00 \times 28 = 0.11$ . Running Total = 1287.68

ACETIC ACID(@0.00%). MAL Factor = 1. Total increased by  $0.00 \times 1 = 0.00$ . Running Total = 1287.68

organotin compound(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0.00$ . Running Total = 1287.68

OCTAMETHYLCYCLOTETRAILOXANE(@0.00%). MAL Factor = 1. Total increased by  $0.00 \times 1 = 0.00$ . Running Total = 1287.68

CUMENE(@0.00%). MAL Factor = 1. Total increased by  $0.00 \times 1 = 0.00$ . Running Total = 1287.68

Decamethylcyclopentasiloxane(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 1287.68

DIMETHYL GLUTARATE(@0.00%). MAL Factor = 4. Total increased by  $0.00 \times 4 = 0.00$ . Running Total = 1287.68



ORGANIC DERIVATIVE OF A MONTMORILLONITE CLAY(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 1287.68  
 DIMETHYL SUCCINATE(@0.00%). MAL Factor = 5. Total increased by  $0.00 \times 5 = 0.00$ . Running Total = 1287.68  
 DIMETHYL ADIPATE(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 1287.68  
 PROPYLENE OXIDE(@0.00%). MAL Factor = 1. Total increased by  $0.00 \times 1 = 0.00$ . Running Total = 1287.68  
 2-Propenoic acid, 2-methyl-, 1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, exo-(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 1287.68  
 N-BUTYL METHACRYLATE(@0.00%). MAL Factor = 16. Total increased by  $0.00 \times 16 = 0.00$ . Running Total = 1287.68  
 ACETALDEHYDE(@0.00%). MAL Factor = 1. Total increased by  $0.00 \times 1 = 0.00$ . Running Total = 1287.68  
 HYDROCHLORIC ACID(@0.00%). MAL Factor = 2900. Total increased by  $0.00 \times 2900 = 0.00$ . Running Total = 1287.68  
 QUARTZ (>10 microns)(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 1287.68  
 FORMALDEHYDE(@0.00%). MAL Factor = 2500. Total increased by  $0.00 \times 2500 = 0.00$ . Running Total = 1287.68  
 ETHYLENE OXIDE(@0.00%). MAL Factor = 11. Total increased by  $0.00 \times 11 = 0.00$ . Running Total = 1287.68  
 1,4-DIOXANE(@0.00%). MAL Factor = 390. Total increased by  $0.00 \times 390 = 0.00$ . Running Total = 1287.68  
 METHYL CHLORIDE(@0.00%). MAL Factor = 476.19. Total increased by  $0.00 \times 476.19 = 0.00$ . Running Total = 1287.68  
 2-TERT-BUTYLAMINOETHYL METHACRYLATE(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 1287.68  
 BUTYLATED HYDROXYTOLUENE(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 1287.68  
 ISOBUTYL METHACRYLATE(@0.00%). MAL Factor = 1. Total increased by  $0.00 \times 1 = 0.00$ . Running Total = 1287.68  
 TIN(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0.00$ . Running Total = 1287.68  
 4-METHOXYPHENOL(@0.00%). MAL Factor = 0. Total increased by  $0.00 \times 0 = 0$ . Running Total = 1287.68  
 Figure-before-the-dash calculated as 4. Via MAL Factor Total \* Density (1287.68 \* 1.313) giving a MAL Number of 1691  
 MAL Number = Density (1.313) \* Sum (1287.68) = 1691  
 Figure-after-the-dash = 3. Calculated from component data.  
 TITANIUM DIOXIDE (@29.69%) Increasing Total for FAD1 by 29689.297556, giving 29689.297556  
 acrylic resin (@13.15%) Increasing Total for FAD1 by 13148.35, giving 42837.647556  
 N-BUTYL ACETATE (@10.38%) Increasing Total for FAD1 by 10379.2121362, giving 53216.8596922  
 XYLENES (@6.76%) Increasing Total for FAD3 by 0.6760438975, giving 0.6760438975  
 XYLENES (@6.76%) Increasing Total for FAD1 by 33.802194875, giving 53250.661887075  
 acrylic resin (@6.39%) Increasing Total for FAD1 by 6387.705, giving 59638.366887075  
 polyacrylate resin (@5.7%) Increasing Total for FAD1 by 5700, giving 65338.366887075  
 Reaction mass of dimethyl adipate and dimethyl glutarate and dimethyl succinate (@4.99%) Increasing Total for FAD1 by 4987.5, giving 70325.866887075  
 Solvent naphtha (petroleum), light arom. (@3.63%) Increasing Total for FAD1 by 3630, giving 73955.866887075  
 ISOBUTYL ALCOHOL (@3.57%) Increasing Total for FAD1 by 3574.99, giving 77530.856887075  
 POLYETHER POLYOL (@2.5%) Increasing Total for FAD1 by 2500, giving 80030.856887075  
 1-METHOXY-2-PROPYL ACETATE (@1.94%) Increasing Total for FAD1 by 1939.65680798003, giving 81970.51369505503  
 Hydrocarbons, C9, aromatics (@1.82%) Increasing Total for FAD1 by 18.24, giving 81988.75369505503  
 ETHYLBENZENE (@1.72%) Increasing Total for FAD3 by 0.1716601, giving 0.8477039975  
 BARIUM SULFATE (@1.58%) Increasing Total for FAD1 by 1584.16, giving 83572.91369505503  
 ALUMINUM HYDROXIDE (@1.10%) Increasing Total for FAD1 by 10.9902212, giving 83583.90391625503  
 ZINC ORTHOPHOSPHATE (@0.98%) Increasing Total for FAD1 by 980, giving 84563.90391625503  
 12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine (@0.84%) Increasing Total for FAD1 by 837, giving 85400.90391625503  
 2,6-DIMETHYLHEPTANONE (@0.65%) Increasing Total for FAD1 by 651.07, giving 86051.97391625503  
 Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (@0.5%) Increasing Total for FAD1 by 500, giving 86551.97391625503  
 1,3,5-TRIMETHYLBENZENE (@0.36%) Increasing Total for FAD1 by 361.325, giving 86913.29891625503  
 SILICA (@0.31%) Increasing Total for FAD1 by 314.00632, giving 87227.30523625503  
 Hexanoic acid, 2-ethyl-, zinc salt, basic (@0.24%) Increasing Total for FAD1 by 239.795, giving 87467.10023625503  
 N-BUTYL ACRYLATE (@0.2393545%) Increasing Total for FAD5 by 0.2393545, giving 0.2393545  
 N-BUTYL ACRYLATE (@0.24%) Increasing Total for FAD3 by 2.393545, giving 3.2412489975

BLOCKED COPOLYMER (@0.18%) Increasing Total for FAD1 by 1.8, giving 87468.90023625503  
ZIRCONIUM OXIDE (@0.16%) Increasing Total for FAD1 by 1.5700316, giving 87470.47026785503  
TRIMETHYLOLPROPANE (@0.14%) Increasing Total for FAD1 by 1.41302844, giving 87471.88329629503  
TOLUENE (@0.11%) Increasing Total for FAD3 by 0.0109456075, giving 3.2521946050  
NAPHTHA (PETROLEUM); HYDROTREATED HEAVY (@0.08%) Increasing Total for FAD1 by 76, giving 87547.88329629503  
non-hazardous polymer (@0.06%) Increasing Total for FAD1 by 63, giving 87610.88329629503  
METHYL METHACRYLATE (@0.046076114777%) Increasing Total for FAD5 by 0.0092152229554, giving 0.2485697229554  
METHYL METHACRYLATE (@0.05%) Increasing Total for FAD3 by 0.046076114777, giving 3.298270719777  
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (@0.03%) Increasing Total for FAD1 by 34.93, giving 87645.81329629503  
ALKOXYLATED BUTYL ETHER (@0.03%) Increasing Total for FAD3 by 0.015, giving 3.313270719777  
ZINC OXIDE (@0.02%) Increasing Total for FAD1 by 20, giving 87665.81329629503  
QUARTZ (<10 microns) (@0.02%) Increasing Total for FAD6 by 0.001584, giving 0.001584  
QUARTZ (<10 microns) (@0.02%) Increasing Total for FAD3 by 0.01584, giving 3.329110719777  
1-BUTANOL (@0.02%) Increasing Total for FAD1 by 15.0000110586, giving 87680.81330735363  
SILICONE CONTAINING ADDITIVE (@0.01%) Increasing Total for FAD1 by 14, giving 87694.81330735363  
polysiloxane (@0.01%) Increasing Total for FAD1 by 14, giving 87708.81330735363  
METHYL ALCOHOL (@0.01%) Increasing Total for FAD6 by 0.000500005561, giving 0.002084005561  
METHYL ALCOHOL (@0.01%) Increasing Total for FAD3 by 0.01000011122, giving 3.339110830997  
polyglycol (@0.01%) Increasing Total for FAD1 by 7.57566, giving 87716.38896735363  
2-METHOXY-1-PROPYL ACETATE (@0.01%) Increasing Total for FAD6 by 0.029533746725, giving 0.031617752286  
BENZENE (@0.01%) Increasing Total for FAD6 by 0.05403, giving 0.085647752286  
PROPYLENE GLYCOL MONOMETHYL ETHER (@0.00%) Increasing Total for FAD1 by 3.8002452444, giving 87720.18921259803  
ACETIC ACID (@0.00%) Increasing Total for FAD4 by 0.000031400750478, giving 0.000031400750478  
organotin compound (@0.00%) Increasing Total for FAD1 by 0.396, giving 87720.58521259803  
OCTAMETHYLCYCLOTETRASILOXANE (@0.00%) Increasing Total for FAD3 by 0.0001785, giving 3.339289330997  
acrylic copolymer (@0.00%) Increasing Total for FAD1 by 0.12488, giving 87720.71009259803  
CUMENE (@0.00%) Increasing Total for FAD3 by 0.00011, giving 3.339399330997  
Decamethylcyclopentasiloxane (@0.00%) Increasing Total for FAD1 by 0.001, giving 87720.71109259803  
dodecamethylcyclohexasiloxane (@0.00%) Increasing Total for FAD1 by 0.04, giving 87720.75109259803  
BLOCK COPOLYMER (@0.00%) Increasing Total for FAD1 by 0.0136916, giving 87720.76478419803  
DIMETHYL GLUTARATE (@0.00%) Increasing Total for FAD1 by 0.01044309, giving 87720.77522728803  
ORGANIC DERIVATIVE OF A MONTMORILLONITE CLAY (@0.00%) Increasing Total for FAD1 by 0.00004875, giving 87720.77527603803  
DIMETHYL SUCCINATE (@0.00%) Increasing Total for FAD1 by 0.00357469, giving 87720.77885072803  
DIMETHYL ADIPATE (@0.00%) Increasing Total for FAD1 by 0.00001553195, giving 87720.77886625998  
PROPYLENE OXIDE (@0.00%) Increasing Total for FAD6 by 0.000005, giving 0.085652752286  
2-Propenoic acid, 2-methyl-, 1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, exo- (@0.00000534977%) Increasing Total for FAD5 by 0.0000001069954, giving 0.2485698299508  
2-Propenoic acid, 2-methyl-, 1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, exo- (@0.00%) Increasing Total for FAD3 by 0.000000534977, giving 3.339399865974  
N-BUTYL METHACRYLATE (@0.000000529848%) Increasing Total for FAD5 by 0.000000529848, giving 0.2485703597988  
ACETALDEHYDE (@0.00%) Increasing Total for FAD3 by 0.000002, giving 3.339401865974  
HYDROCHLORIC ACID (@0.00%) Increasing Total for FAD4 by 0.00000004, giving 0.000031440750478  
HYDROCHLORIC ACID (@0.00%) Increasing Total for FAD3 by 0.0000005, giving 3.339402365974  
QUARTZ (>10 microns) (@0.00%) Increasing Total for FAD1 by 0.00000125, giving 87720.77886750998  
FORMALDEHYDE (@0.00%) Increasing Total for FAD6 by 0.0000001, giving 0.085652852286  
FORMALDEHYDE (@0.00%) Increasing Total for FAD3 by 0.000001, giving 3.339403365974  
ETHYLENE OXIDE (@0.00%) Increasing Total for FAD6 by 0.0000005, giving 0.085653352286  
1,4-DIOXANE (@0.00%) Increasing Total for FAD6 by 0.00000008, giving 0.085653360286  
1,4-DIOXANE (@0.00%) Increasing Total for FAD3 by 0.0000008, giving 3.339404165974

METHYL CHLORIDE (@0.00%) Increasing Total for FAD1 by 0.00008, giving 87720.77894750998  
2-TERT-BUTYLAMINOETHYL METHACRYLATE (@0.0000000446%) Increasing Total for FAD5 by 0.0000000892, giving 0.2485703687188  
2-TERT-BUTYLAMINOETHYL METHACRYLATE (@0.00%) Increasing Total for FAD3 by 0.0000000446, giving 3.339404210574  
BUTYLATED HYDROXYTOLUENE (@0.00%) Increasing Total for FAD3 by 0.0000000852525, giving 3.339404211426525  
ISOBUTYL METHACRYLATE (@0.00000005352%) Increasing Total for FAD5 by 0.000000010704, giving 0.2485703697892  
ISOBUTYL METHACRYLATE (@0.00%) Increasing Total for FAD3 by 0.00000005352, giving 3.339404216778525  
TIN (@0.00%) Increasing Total for FAD1 by 0.00000028963, giving 87720.77894779961  
4-METHOXYPHENOL (@0.00000000223%) Increasing Total for FAD5 by 0.00000000223, giving 0.2485703700122  
Figure-after-the-dash =3. Total of components with FAD=3 is >=1.

Low Boiling Liquid = False.

METHYL ALCOHOL (@0.01%) Total increased by  $0.01 \times 54 / 100 = 0.01$ . Running Total = 0.01  
PROPYLENE OXIDE (@0.00%) Total increased by  $0.00 \times 1 / 100 = 0.00$ . Running Total = 0.01  
ACETALDEHYDE (@0.00%) Total increased by  $0.00 \times 1 / 100 = 0.00$ . Running Total = 0.01  
ETHYLENE OXIDE (@0.00%) Total increased by  $0.00 \times 11 / 100 = 0.00$ . Running Total = 0.01  
METHYL CHLORIDE (@0.00%) Total increased by  $0.00 \times 476.19 / 100 = 0.00$ . Running Total = 0.01  
Density \* (Sum of components Concentration \* MALFactor/LBLFactor) = 0.01

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** : 4-3  
**MAL Number** : 1690.72  
**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: 4-3

**Application:** When spraying in new\* booths if the operator is outside the spray zone. When using scraper or knife, brush, roller, etc. for pre- and post-treatments outside a closed facility, spray booth or spray cabin.

- Air-supplied half mask and eye protection must be worn.

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.

- Air-supplied half mask, coveralls and eye protection must be worn.

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.

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

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

- Air-supplied full mask, 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.

- Air-supplied full 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.