

Audit - EU DK MAL Code

SIGMATHERM 350 ALUMINIUM

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

SIGMATHERM 350 ALUMINIUM - Components considered for the MAL Code calculation. {Denmark MAL Code}

Hydrocarbons, C9, aromatics (18.97%)

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 = 189.7

XYLENES (17.45270536%)

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: 3; Lower Limit: 10

FAD 3 Quotient = 1.745

FAD 1 Quotient = 87.264

siloxanes and silicones (15.75%)

CAS: 68037-81-0

Density: 0

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

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 15750

ALUMINUM POWDER (14.3%)

CAS: 7429-90-5

Density: 2.702

Relative Density: 2.7

Molecular Weight: 26.98

Boiling Point: 2450

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 = 143

ETHYLBENZENE (12.64848%)

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: 3; Lower Limit: 10

FAD 3 Quotient = 1.265

2-propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate and methyl 2-methyl-2-propenoate (7.2962964%)

CAS: 28262-63-7

Density: 0

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

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 7296.296

SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC (7.04%)

CAS: 64742-94-5

Density: 0.884

Boiling Point: 222.5

Vapour Pressure: 1.875

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

MAL Factor entered: 25. Limit: 0

FAD entered: 1; Lower Limit: 0.1

FAD 1 Quotient = 70.4

Talc, non-asbestos form (2.994%)

CAS: 14807-96-6

Density: 2.7

Relative Density: 2.7

Molecular Weight: 96.33

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 = 29.94

AMORPHOUS SILICA (1%)

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 = 10

[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (0.7879964%)

CAS: 2530-83-8

Density: 1.07

Molecular Weight: 236.38

Vapour Pressure: 0.0082

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

R Phrases: R52/53

MAL Factor from Sub-Annex 2: 0

FAD: 1. (Default)

FAD 1 Quotient = 787.996

STEARIC ACID (0.66%)

CAS: 57-11-4

Density: 0.847

Relative Density: 0.885

Molecular Weight: 284.54

Boiling Point: 384.4

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 = 6.6

Zeolite (0.343471%)

CAS: 1318-02-1

Density: 1.5

Relative Density: 2.2

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 = 3.435

2,6-DIMETHYLHEPTANONE (0.222432%)

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 = 222.432

zinc bis(2-ethylhexanoate) (0.1197%)

CAS: 136-53-8

Density: 1.18

Molecular Weight: 175.9

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 = 119.7

TOLUENE (0.073822%)

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 = 0.007

POLYSILOXANE (0.06993588%)

CAS: 116810-47-0

Density: 0.911

Boiling Point: 142.5

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 = 0.699

BENZENE (0.06302772%)

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 = 0.630

4,6-DIMETHYL-2-HEPTANONE (0.055608%)

CAS: 19549-80-5

Density: 0

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

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 55.608

ACRYLIC POLYMER (0.0444%)

CAS: 9003-01-4

Density: 0

Molecular Weight: 168.06

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

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 44.4

SODIUM SULPHATE (0.0296%)

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 = 0.296

N-BUTYL METHACRYLATE (0.02146%)

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 = 0.021

mineral binder (0.0148%)

CAS: SUB139458

Density: 0

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

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 14.8

QUARTZ (>10 microns) (0.01073%)

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 = 0.107

METHYL METHACRYLATE (0.0082436%)

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 = 0.002
FAD 3 Quotient = 0.008

POLYDIMETHYLSILOXANE (0.008%)

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 = 0.08

WATER (0.006%)

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

SILICIC ACID, TETRAMETHYL ESTER (0.0024%)

Organic Solvent.
CAS: 681-84-5
Density: 1.052
Relative Density: 1.02
Molecular Weight: 152.25
Boiling Point: 121.5
Vapour Pressure: 9.75
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 = 0.002

CUMENE (0.00196%)

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 = 0.002

fluorinated polyalkyl silicones (0.0019544%)

CAS: SUB144560

Density: 0

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

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 1.954

METHYL ALCOHOL (0.0016%)

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 = 0.000

FAD 3 Quotient = 0.002

QUARTZ (<10 microns) (0.000333%)

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 = 0.000

FAD 3 Quotient = 0.000

SILICA CRISTOBALLITE (>10 microns) (0.000333%)

Carcinogen.

CAS: 14464-46-1

Density: 2.32

Relative Density: 2.3

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 = 0.003

silica, crystalline-tridymite (>10 microns) (0.000333%)

Carcinogen.

CAS: 15468-32-3

Density: 2.65

Relative Density: 2.3

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 = 0.003

1-methylimidazole (0.0002772%)

CAS: 616-47-7

Density: 1.035

Molecular Weight: 82.12

Vapour Pressure: 0.26357

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

R Phrases: Xn;R22 Xn;R21 C;R34

MAL Factor from Sub-Annex 2: 2000

FAD: 1. (Default)

FAD 1 Quotient = 0.277

OCTAMETHYLCYCLOTETRAILOXANE (0.00003332%)

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

organotin compound (0.00002772%)

CAS: SUB143365

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 = 0.028

DIBUTYL TIN DILAURATE (0.0000196%)

CAS: 77-58-7

Density: 1.066

Relative Density: 1.1

Molecular Weight: 631.65

Boiling Point: 385

Vapour Pressure: 0.000000058

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

ACETIC ANHYDRIDE (0.0000168%)

Organic Solvent.

CAS: 108-24-7

Density: 1.08

Relative Density: 1.08

Molecular Weight: 102.09

Boiling Point: 139.5

Vapour Pressure: 5.10041

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

MAL Factor from OEL: 1000 ** Warning: An Evaporation Rate Correction Factor of 2 was used. Contact the Authorities for a MAL Factor.

R Phrases: R10 Xn;R22 Xn;R20 C;R34

FAD: 1. (Default)

FAD 1 Quotient = 0.017

ALLYL GLYCIDYL ETHER (0.0000036%)

Organic Solvent.

Carcinogen.

CAS: 106-92-3

Density: 0.97

Relative Density: 0.97

Molecular Weight: 114.16

Boiling Point: 153.9

Vapour Pressure: 3.6

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

MAL Factor from OEL: 909.09 ** Warning: An Evaporation Rate Correction Factor of 2 was used. Contact the Authorities for a MAL Factor.

R Phrases: R10 Xn;R22 Xn;R20 R43 Xi;R38 Xi;R37 Xi;R41 Carc.Cat.3;R40 Muta.Cat.3;R68 Repr.Cat.3;R62 R52/53

FAD: 1. (Default)

FAD 1 Quotient = 0.004

Density = 1.044. Entered value.

Figure-before-the dash = 4

Hydrocarbons, C9, aromatics (@18.97%). MAL Factor = 58. Total increased by $18.97 \times 58 = 1100.26$. Running Total = 1100.26

XYLENES(@17.45%). MAL Factor = 46. Total increased by $17.45 \times 46 = 802.82$. Running Total = 1903.08

ALUMINUM POWDER(@14.3%). MAL Factor = 0. Total increased by $14.3 \times 0 = 0$. Running Total = 1903.08

ETHYLBENZENE(@12.65%). MAL Factor = 46. Total increased by $12.65 \times 46 = 581.83$. Running Total = 2484.91

SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC(@7.04%). MAL Factor = 25. Total increased by $7.04 \times 25 = 176$. Running Total = 2660.91

Talc, non-asbestos form(@2.99%). MAL Factor = 0. Total increased by $2.99 \times 0 = 0$. Running Total = 2660.91

AMORPHOUS SILICA(@1%). MAL Factor = 0. Total increased by $1 \times 0 = 0$. Running Total = 2660.91

[3-(2,3-epoxypropoxy)propyl]trimethoxysilane(@0.79%). MAL Factor = 0. Total increased by $0.79 \times 0 = 0.00$. Running Total = 2660.91

STEARIC ACID(@0.66%). MAL Factor = 0. Total increased by $0.66 \times 0 = 0$. Running Total = 2660.91

Zeolite(@0.34%). MAL Factor = 0. Total increased by $0.34 \times 0 = 0$. Running Total = 2660.91

2,6-DIMETHYLHEPTANONE(@0.22%). MAL Factor = 47. Total increased by $0.22 \times 47 = 10.45$. Running Total = 2671.37

zinc bis(2-ethylhexanoate)(@0.12%). MAL Factor = 0. Total increased by $0.12 \times 0 = 0$. Running Total = 2671.37

TOLUENE(@0.07%). MAL Factor = 74. Total increased by $0.07 \times 74 = 5.46$. Running Total = 2676.83

POLYSILOXANE(@0.07%). MAL Factor = 0. Total increased by $0.07 \times 0 = 0$. Running Total = 2676.83

BENZENE(@0.06%). MAL Factor = 880. Total increased by $0.06 \times 880 = 55.46$. Running Total = 2732.30

SODIUM SULPHATE(@0.03%). MAL Factor = 0. Total increased by $0.03 \times 0 = 0$. Running Total = 2732.30

N-BUTYL METHACRYLATE(@0.02%). MAL Factor = 16. Total increased by $0.02 \times 16 = 0.34$. Running Total = 2732.64

QUARTZ (>10 microns)(@0.01%). MAL Factor = 0. Total increased by $0.01 \times 0 = 0$. Running Total = 2732.64

METHYL METHACRYLATE(@0.01%). MAL Factor = 46. Total increased by $0.01 \times 46 = 0.38$. Running Total = 2733.02

POLYDIMETHYLSILOXANE(@0.01%). MAL Factor = 0. Total increased by $0.01 \times 0 = 0$. Running Total = 2733.02

WATER(@0.01%). MAL Factor = 0. Total increased by $0.01 \times 0 = 0$. Running Total = 2733.02

SILICIC ACID, TETRAMETHYL ESTER(@0.00%). MAL Factor = 0. Total increased by $0.00 \times 0 = 0$. Running Total = 2733.02
CUMENE(@0.00%). MAL Factor = 1. Total increased by $0.00 \times 1 = 0.00$. Running Total = 2733.02
METHYL ALCOHOL(@0.00%). MAL Factor = 54. Total increased by $0.00 \times 54 = 0.09$. Running Total = 2733.11
QUARTZ (<10 microns)(@0.00%). MAL Factor = 0. Total increased by $0.00 \times 0 = 0$. Running Total = 2733.11
SILICA CRISTOBALLITE (>10 microns)(@0.00%). MAL Factor = 0. Total increased by $0.00 \times 0 = 0$. Running Total = 2733.11
silica, crystalline-tridymite (>10 microns)(@0.00%). MAL Factor = 0. Total increased by $0.00 \times 0 = 0$. Running Total = 2733.11
1-methylimidazole(@0.00%). MAL Factor = 2000. Total increased by $0.00 \times 2000 = 0.55$. Running Total = 2733.66
OCTAMETHYLCYCLOTETRASILOXANE(@0.00%). MAL Factor = 1. Total increased by $0.00 \times 1 = 0.00$. Running Total = 2733.66
organotin compound(@0.00%). MAL Factor = 0. Total increased by $0.00 \times 0 = 0.00$. Running Total = 2733.66
DIBUTYL TIN DILAURATE(@0.00%). MAL Factor = 0. Total increased by $0.00 \times 0 = 0$. Running Total = 2733.66
ACETIC ANHYDRIDE(@0.00%). MAL Factor = 1000. Total increased by $0.00 \times 1000 = 0.02$. Running Total = 2733.68
ALLYL GLYCIDYL ETHER(@0.00%). MAL Factor = 909.09. Total increased by $0.00 \times 909.09 = 0.00$. Running Total = 2733.68
Figure-before-the-dash calculated as 4. Via MAL Factor Total * Density (2733.68 * 1.044) giving a MAL Number of 2854

MAL Number = Density (1.044) * Sum (2733.68) = 2854

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

Hydrocarbons, C9, aromatics (@18.97%) Increasing Total for FAD1 by 189.7, giving 189.7

XYLENES (@17.45%) Increasing Total for FAD3 by 1.745270536, giving 1.745270536

XYLENES (@17.45%) Increasing Total for FAD1 by 87.2635268, giving 276.9635268

siloxanes and silicones (@15.75%) Increasing Total for FAD1 by 15750, giving 16026.9635268

ALUMINUM POWDER (@14.3%) Increasing Total for FAD1 by 143, giving 16169.9635268

ETHYLBENZENE (@12.65%) Increasing Total for FAD3 by 1.264848, giving 3.010118536

2-propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate and methyl 2-methyl-2-propenoate (@7.30%) Increasing Total for FAD1 by 7296.2964, giving 23466.2599268

SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC (@7.04%) Increasing Total for FAD1 by 70.4, giving 23536.6599268

Talc, non-asbestos form (@2.99%) Increasing Total for FAD1 by 29.94, giving 23566.5999268

AMORPHOUS SILICA (@1%) Increasing Total for FAD1 by 10, giving 23576.5999268

[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (@0.79%) Increasing Total for FAD1 by 787.9964, giving 24364.5963268

STEARIC ACID (@0.66%) Increasing Total for FAD1 by 6.6, giving 24371.1963268

Zeolite (@0.34%) Increasing Total for FAD1 by 3.43471, giving 24374.6310368

2,6-DIMETHYLHEPTANONE (@0.22%) Increasing Total for FAD1 by 222.432, giving 24597.0630368

zinc bis(2-ethylhexanoate) (@0.12%) Increasing Total for FAD1 by 119.7, giving 24716.7630368

TOLUENE (@0.07%) Increasing Total for FAD3 by 0.0073822, giving 3.017500736

POLYSILOXANE (@0.07%) Increasing Total for FAD1 by 0.6993588, giving 24717.4623956

BENZENE (@0.06%) Increasing Total for FAD6 by 0.6302772, giving 0.6302772

4,6-DIMETHYL-2-HEPTANONE (@0.06%) Increasing Total for FAD1 by 55.608, giving 24773.0703956

ACRYLIC POLYMER (@0.04%) Increasing Total for FAD1 by 44.4, giving 24817.4703956

SODIUM SULPHATE (@0.03%) Increasing Total for FAD1 by 0.296, giving 24817.7663956

N-BUTYL METHACRYLATE (@0.02146%) Increasing Total for FAD5 by 0.02146, giving 0.02146

mineral binder (@0.01%) Increasing Total for FAD1 by 14.8, giving 24832.5663956

QUARTZ (>10 microns) (@0.01%) Increasing Total for FAD1 by 0.1073, giving 24832.6736956

METHYL METHACRYLATE (@0.0082436%) Increasing Total for FAD5 by 0.00164872, giving 0.02310872

METHYL METHACRYLATE (@0.01%) Increasing Total for FAD3 by 0.0082436, giving 3.025744336

POLYDIMETHYLSILOXANE (@0.01%) Increasing Total for FAD1 by 0.08, giving 24832.7536956

SILICIC ACID, TETRAMETHYL ESTER (@0.00%) Increasing Total for FAD3 by 0.0024, giving 3.028144336

CUMENE (@0.00%) Increasing Total for FAD3 by 0.00196, giving 3.030104336

fluorinated polyalkyl silicones (@0.00%) Increasing Total for FAD1 by 1.9544, giving 24834.7080956

METHYL ALCOHOL (@0.00%) Increasing Total for FAD6 by 0.00008, giving 0.6303572

METHYL ALCOHOL (@0.00%) Increasing Total for FAD3 by 0.0016, giving 3.031704336

QUARTZ (<10 microns) (@0.00%) Increasing Total for FAD6 by 0.0000333, giving 0.6303905
QUARTZ (<10 microns) (@0.00%) Increasing Total for FAD3 by 0.000333, giving 3.032037336
SILICA CRISTOBALLITE (>10 microns) (@0.00%) Increasing Total for FAD1 by 0.00333, giving 24834.7114256
silica, crystalline-tridymite (>10 microns) (@0.00%) Increasing Total for FAD1 by 0.00333, giving 24834.7147556
1-methylimidazole (@0.00%) Increasing Total for FAD1 by 0.2772, giving 24834.9919556
OCTAMETHYLCYCLOTETRASILOXANE (@0.00%) Increasing Total for FAD3 by 0.00003332, giving 3.032070656
organotin compound (@0.00%) Increasing Total for FAD1 by 0.02772, giving 24835.0196756
DIBUTYL TIN DILAURATE (@0.00%) Increasing Total for FAD6 by 0.0000196, giving 0.6304101
DIBUTYL TIN DILAURATE (@0.00%) Increasing Total for FAD3 by 0.0000784, giving 3.032149056
ACETIC ANHYDRIDE (@0.00%) Increasing Total for FAD1 by 0.0168, giving 24835.0364756
ALLYL GLYCIDYL ETHER (@0.00%) Increasing Total for FAD1 by 0.0036, giving 24835.0400756
Figure-after-the-dash =3. Total of components with FAD=3 is >=1.

Low Boiling Liquid = False.

METHYL ALCOHOL (@0.00%) Total increased by $0.00 \cdot 54 / 100 = 0.00$. Running Total = 0.00

Density * (Sum of components Concentration * MALFactor/LBLFactor) = 0

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 : 2853.96
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.