Audit - EU DK MAL Code

SIGMACOVER 380 BASE GREY

Denmark MAL Code

Audit - MAL Code

EU Denmark MAL Code:- 3-5

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

Product is a Liquid

SIGMACOVER 380 BASE GREY - Components considered for the MAL Code calculation. {Denmark MAL Code}

QUARTZ (>10 microns) (28.855%)

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: 0.1

FAD 1 Quotient = 288.55

Talc, non-asbestos form (20.1%)

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 = 201

Bisphenol A diglycidyl ether (11.999916%)

CAS: 1675-54-3

Density: 1.16

Relative Density: 1.17

Molecular Weight: 340.45

Vapour Pressure: 0.0000675054

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

MAL Factor entered: 0. Limit: 0

FAD entered: 5; Lower Limit: 1

FAD 5 Quotient = 12.000

Modified petroleum hydrocarbon resin (6%)

CAS: 64742-16-1

Density: 1.07

Molecular Weight: 1600

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 = 60
NONYL PHENOL (4.9725%)
CAS: 25154-52-3
Density: 0.937
Relative Density: 0.95
Molecular Weight: 220.39
Boiling Point: 300
Vapour Pressure: 0.007500615
No LBL Factor entered or estimated from CAS Number or Boiling Point.
MAL Factor entered: 0. Limit: 0
FAD entered: 3; Lower Limit: 2
FAD 3 Quotient = 2.486
ETHYLBENZENE (4.7686%)
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 = 0.477
EPOXY RESIN (AVERAGE MOLECULAR WEIGHT >700 - <1100) (3.7499905%)
CAS: 25036-25-3
Density: 0
Molecular Weight: 1000
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 = 0.750
XYLENES (3.7316125%)
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 = 0.373
FAD 1 Quotient = 18.658

Phenol, methylstyrenated (3.493%)
CAS: 68512-30-1
Density: 1.03
Boiling Point: 300
Vapour Pressure: 0.0075
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 = 34.93
ALUMINUM POWDER (2.834%)
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 = 28.34
ISOBUTYL ALCOHOL (2.5198%)
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 = 2519.8
TITANIUM DIOXIDE (1.95%)
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 = 1950
1,2,4,5-tetramethylbenzene (1.4824%)
CAS: 95-93-2
Density: 0.9
Molecular Weight: 134.24
Boiling Point: 193
Vapour Pressure: 0.69005658
No LBL Factor entered or estimated from CAS Number or Boiling Point.

MAL Factor entered: 50. Limit: 0
FAD entered: 1; Lower Limit: 0.1
FAD 1 Quotient = 14.824

MICA (1.26%)
CAS: 12001-26-2
Density: 2.8
Relative Density: 2.6
Molecular Weight: 797
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 = 12.6

BARIUM SULFATE (1.05%)
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 = 1050

Reaction products of 12-hydroxyoctadecanoic acid and octadecanoic acid and 1,3-phenylenedimethanamine (0.63%)
CAS: 911674-82-3
Density: 1.02
No LBL Factor entered or estimated from CAS Number or Boiling Point.
MAL Factor from OEL: 0
R Phrases: R43 R53
FAD: 1. (Default)
FAD 1 Quotient = 630

POLYAMIDE WAX (0.27%)
CAS: SUB101889
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 = 2.7

ALKOXYLATED BUTYL ETHER (0.05941562%)
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 = 0.030

corundum (0.058%)
CAS: 1302-74-5
Density: 3.85
Molecular Weight: 101.96
Boiling Point: 1800

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 = 0.58

OLEIC ACID (0.0436%)
CAS: 112-80-1
Density: 0.891
Relative Density: 0.89
Molecular Weight: 282.52
Boiling Point: 360
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 = 0.436

MAGNESIUM OXIDE (0.029%)
CAS: 1309-48-4
Density: 2.58
Relative Density: 3.6
Molecular Weight: 40.3
Boiling Point: 3600
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 = 0.29

IRON OXIDE (0.029%)
CAS: 1332-37-2
Density: 5
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 = 0.29

proprietary siloxane (0.02764%)
CAS: SUB127499
Density: 0
No LBL Factor entered or estimated from CAS Number or Boiling Point.
No MAL Factor calculated.
FAD: 1. (Default)
FAD 1 Quotient = 27.64

p-nonylphenol (0.025%)
CAS: 104-40-5
Density: 0.937
Molecular Weight: 220.39
Boiling Point: 295
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 = 0.012

proprietary polyglycol (0.01678%)
CAS: SUB127500
Density: 0
No LBL Factor entered or estimated from CAS Number or Boiling Point.
No MAL Factor calculated.
FAD: 1. (Default)
FAD 1 Quotient = 16.78
CALCIUM OXYDE (0.0145%)
CAS: 1305-78-8
Density: 3.3
Relative Density: 3.35
Molecular Weight: 56.08
Boiling Point: 2850
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 = 0.007
SODIUM HYDROXIDE (0.0145%)
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 = 0.014
FAD 3 Quotient = 0.362
TOLUENE (0.00522%)
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 = 0.001
PHENOL (0.0035%)
Organic Solvent.
CAS: 108-95-2
Density: 1.06
Molecular Weight: 94.11
Boiling Point: 181.75
Vapour Pressure: 0.15001

No LBL Factor entered or estimated from CAS Number or Boiling Point.
MAL Factor from OEL: 5000 ** Warning: An Evaporation Rate Correction Factor of 2 was used. Contact the Authorities for a MAL Factor.
R Phrases: T;R25 T;R24 T;R23 Xn;R48/22 Xn;R48/21 Xn;R48/20 C;R34 Muta.Cat.3;R68
FAD: 1. (Default)
FAD 1 Quotient = 3.5

ALPHA-METHYLSTYRENE / ISOPROPENYLBENZENE (0.0035%)
Organic Solvent.
CAS: 98-83-9
Density: 0.91
Relative Density: 0.91
Molecular Weight: 118.19
Boiling Point: 165
Vapour Pressure: 1.89766
No LBL Factor entered or estimated from CAS Number or Boiling Point.
MAL Factor entered: 58. Limit: 0
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.
FAD 3 Quotient = 0.000

WATER (0.0025%)
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

OCTAMETHYLCYCLOTETRASILOXANE (0.00036%)
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

Decamethylcyclopentasiloxane (0.00036%)
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 = 0.004

BENZENE (0.0001973%)

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 = 0.002

PHENYL GLYCIDYL ETHER (0.000072%)
Organic Solvent.
Carcinogen.
CAS: 122-60-1
Density: 1.109
Relative Density: 1.11
Molecular Weight: 150.19
Boiling Point: 245
Vapour Pressure: 0.00975
No LBL Factor entered or estimated from CAS Number or Boiling Point.
MAL Factor entered: 20000. Limit: 0
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.
FAD 6 Quotient = 0.000
FAD 5 Quotient = 0.001

EPICHLOROHYDRIN (0.000012%)
Organic Solvent.
Carcinogen.
CAS: 106-89-8
Density: 1.18
Relative Density: 1.2
Molecular Weight: 92.52
Boiling Point: 117
Vapour Pressure: 17.10145
No LBL Factor entered or estimated from CAS Number or Boiling Point.
MAL Factor entered: 5300. 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

CUMENE (0.0000098%)
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
4,4-ISOPROPYLIDENEDIPHENOL (0.0000095%)
CAS: 80-05-7
Density: 1.2
Relative Density: 1.2
Molecular Weight: 228.31
Boiling Point: 360
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 5 Quotient = 0.000
PROPYLENE OXIDE (0.00000298%)
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
LBLFactor = 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
ACETALDEHYDE (0.00000038%)
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 (0.00000038%)
CAS: 7647-01-0
Density: 0.86
Molecular Weight: 36.46
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
FORMALDEHYDE (0.00000028%)
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 (0.00000028%)
Carcinogen.
CAS: 75-21-8
Density: 0.882
Relative Density: 0.9
Molecular Weight: 44.06
Boiling Point: 10.7
Vapour Pressure: 1314.1117
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
1,4-DIOXANE (0.00000016%)
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 ALCOHOL (0.00000016%)
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 = 0.000
METHYL CHLORIDE (0.00000016%)
Carcinogen.
CAS: 74-87-3
Density: 0.911
Relative Density: 0.92
Molecular Weight: 50.49
Boiling Point: -23.7
Vapour Pressure: 3671.9
LBLFactor = 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
Density = 1.306. Entered value.
Figure-before-the dash = 3
QUARTZ (>10 microns)(@28.86%). MAL Factor = 0. Total increased by 28.86*0=0. Running Total = 0
Talc, non-asbestos form(@20.1%). MAL Factor = 0. Total increased by 20.1*0=0. Running Total = 0
Bisphenol A diglycidyl ether(@12.00%). MAL Factor = 0. Total increased by 12.00*0=0. Running Total = 0
Modified petroleum hydrocarbon resin(@6%). MAL Factor = 0. Total increased by 6*0=0. Running Total = 0
NONYL PHENOL(@4.97%). MAL Factor = 0. Total increased by 4.97*0=0. Running Total = 0
ETHYLBENZENE(@4.77%). MAL Factor = 46. Total increased by 4.77*46=219.36. Running Total = 219.36
EPOXY RESIN (AVERAGE MOLECULAR WEIGHT >700 - <1100)(@3.75%). MAL Factor = 0. Total increased by 3.75*0=0. Running Total = 219.36
XYLENES(@3.73%). MAL Factor = 46. Total increased by 3.73*46=171.65. Running Total = 391.01
Phenol, methylstyrenated(@3.49%). MAL Factor = 0. Total increased by 3.49*0=0. Running Total = 391.01
ALUMINUM POWDER(@2.83%). MAL Factor = 0. Total increased by 2.83*0=0. Running Total = 391.01
ISOBUTYL ALCOHOL(@2.52%). MAL Factor = 67. Total increased by 2.52*67=168.83. Running Total = 559.84
TITANIUM DIOXIDE(@1.95%). MAL Factor = 0. Total increased by 1.95*0=0. Running Total = 559.84
1,2,4,5-tetramethylbenzene(@1.48%). MAL Factor = 50. Total increased by 1.48*50=74.12. Running Total = 633.96
MICA(@1.26%). MAL Factor = 0. Total increased by 1.26*0=0. Running Total = 633.96
BARIUM SULFATE(@1.05%). MAL Factor = 0. Total increased by 1.05*0=0. Running Total = 633.96
Reaction products of 12-hydroxyoctadecanoic acid and octadecanoic acid and 1,3-phenylenedimethanamine(@0.63%). MAL Factor = 0. Total increased by 0.63*0=0.00.
Running Total = 633.96
POLYAMIDE WAX(@0.27%). MAL Factor = 0. Total increased by 0.27*0=0. Running Total = 633.96
ALKOXYLATED BUTYL ETHER(@0.06%). MAL Factor = 0. Total increased by 0.06*0=0. Running Total = 633.96
corundum(@0.06%). MAL Factor = 0. Total increased by 0.06*0=0. Running Total = 633.96
OLEIC ACID(@0.04%). MAL Factor = 0. Total increased by 0.04*0=0. Running Total = 633.96
MAGNESIUM OXIDE(@0.03%). MAL Factor = 0. Total increased by 0.03*0=0. Running Total = 633.96
IRON OXIDE(@0.03%). MAL Factor = 0. Total increased by 0.03*0=0. Running Total = 633.96
p-nonylphenol(@0.02%). MAL Factor = 0. Total increased by 0.02*0=0. Running Total = 633.96
CALCIUM OXYDE(@0.01%). MAL Factor = 0. Total increased by 0.01*0=0. Running Total = 633.96
SODIUM HYDROXIDE(@0.01%). MAL Factor = 0. Total increased by 0.01*0=0. Running Total = 633.96

TOLUENE(@0.01%). MAL Factor = 74. Total increased by 0.01*74=0.39. Running Total = 634.34
PHENOL(@0.00%). MAL Factor = 5000. Total increased by 0.00*5000=17.5. Running Total = 651.84
ALPHA-METHYLSTYRENE / ISOPROPENYLBENZENE(@0.00%). MAL Factor = 58. Total increased by 0.00*58=0.20. Running Total = 652.05
WATER(@0.00%). MAL Factor = 0. Total increased by 0.00*0=0. Running Total = 652.05
OCTAMETHYLCYCLOTETRASILOXANE(@0.00%). MAL Factor = 1. Total increased by 0.00*1=0.00. Running Total = 652.05
Decamethylcyclopentasiloxane(@0.00%). MAL Factor = 0. Total increased by 0.00*0=0. Running Total = 652.05
BENZENE(@0.00%). MAL Factor = 880. Total increased by 0.00*880=0.17. Running Total = 652.22
PHENYL GLYCIDYL ETHER(@0.00%). MAL Factor = 20000. Total increased by 0.00*20000=1.44. Running Total = 653.66
EPICHLOROHYDRIN(@0.00%). MAL Factor = 5300. Total increased by 0.00*5300=0.06. Running Total = 653.72
CUMENE(@0.00%). MAL Factor = 1. Total increased by 0.00*1=0.00. Running Total = 653.72
4,4-ISOPROPYLIDENEDIPHENOL(@0.00%). MAL Factor = 0. Total increased by 0.00*0=0. Running Total = 653.72
PROPYLENE OXIDE(@0.00%). MAL Factor = 1. Total increased by 0.00*1=0.00. Running Total = 653.72
ACETALDEHYDE(@0.00%). MAL Factor = 1. Total increased by 0.00*1=0.00. Running Total = 653.72
HYDROCHLORIC ACID(@0.00%). MAL Factor = 2900. Total increased by 0.00*2900=0.00. Running Total = 653.72
FORMALDEHYDE(@0.00%). MAL Factor = 2500. Total increased by 0.00*2500=0.00. Running Total = 653.73
ETHYLENE OXIDE(@0.00%). MAL Factor = 11. Total increased by 0.00*11=0.00. Running Total = 653.73
1,4-DIOXANE(@0.00%). MAL Factor = 390. Total increased by 0.00*390=0.00. Running Total = 653.73
METHYL ALCOHOL(@0.00%). MAL Factor = 54. Total increased by 0.00*54=0.00. Running Total = 653.73
METHYL CHLORIDE(@0.00%). MAL Factor = 476.19. Total increased by 0.00*476.19=0.00. Running Total = 653.73
Figure-before-the-dash calculated as 3. Via MAL Factor Total * Density (653.73 * 1.306) giving a MAL Number of 854
MAL Number = Density (1.306) * Sum (653.73) = 854
Figure-after-the-dash = 5. Calculated from component data.
QUARTZ (>10 microns) (@28.86%) Increasing Total for FAD1 by 288.55, giving 288.55
Talc, non-asbestos form (@20.1%) Increasing Total for FAD1 by 201, giving 489.55
Bisphenol A diglycidyl ether (@11.999916%) Increasing Total for FAD5 by 11.999916, giving 11.999916
Modified petroleum hydrocarbon resin (@6%) Increasing Total for FAD1 by 60, giving 549.55
NONYL PHENOL (@4.97%) Increasing Total for FAD3 by 2.48625, giving 2.48625
ETHYLBENZENE (@4.77%) Increasing Total for FAD3 by 0.47686, giving 2.96311
EPOXY RESIN (AVERAGE MOLECULAR WEIGHT >700 - <1100) (@3.7499905%) Increasing Total for FAD5 by 0.7499981, giving 12.7499141
XYLENES (@3.73%) Increasing Total for FAD3 by 0.37316125, giving 3.33627125
XYLENES (@3.73%) Increasing Total for FAD1 by 18.6580625, giving 568.2080625
Phenol, methylstyrenated (@3.49%) Increasing Total for FAD1 by 34.93, giving 603.1380625
ALUMINUM POWDER (@2.83%) Increasing Total for FAD1 by 28.34, giving 631.4780625
ISOBUTYL ALCOHOL (@2.52%) Increasing Total for FAD1 by 2519.8, giving 3151.2780625
TITANIUM DIOXIDE (@1.95%) Increasing Total for FAD1 by 1950, giving 5101.2780625
1,2,4,5-tetramethylbenzene (@1.48%) Increasing Total for FAD1 by 14.824, giving 5116.1020625
MICA (@1.26%) Increasing Total for FAD1 by 12.6, giving 5128.7020625
BARIUM SULFATE (@1.05%) Increasing Total for FAD1 by 1050, giving 6178.7020625
Reaction products of 12-hydroxyoctadecanoic acid and octadecanoic acid and 1,3-phenylenedimethanamine (@0.63%) Increasing Total for FAD1 by 630, giving 6808.7020625
POLYAMIDE WAX (@0.27%) Increasing Total for FAD1 by 2.7, giving 6811.4020625
ALKOXYLATED BUTYL ETHER (@0.06%) Increasing Total for FAD3 by 0.02970781, giving 3.36597906
corundum (@0.06%) Increasing Total for FAD1 by 0.58, giving 6811.9820625
OLEIC ACID (@0.04%) Increasing Total for FAD1 by 0.436, giving 6812.4180625
MAGNESIUM OXIDE (@0.03%) Increasing Total for FAD1 by 0.29, giving 6812.7080625
IRON OXIDE (@0.03%) Increasing Total for FAD1 by 0.29, giving 6812.9980625
proprietary siloxane (@0.03%) Increasing Total for FAD1 by 27.64, giving 6840.6380625
p-nonylphenol (@0.02%) Increasing Total for FAD3 by 0.0125, giving 3.37847906

proprietary polyglycol (@0.02%) Increasing Total for FAD1 by 16.78, giving 6857.4180625
CALCIUM OXYDE (@0.01%) Increasing Total for FAD3 by 0.00725, giving 3.38572906
SODIUM HYDROXIDE (@0.01%) Increasing Total for FAD4 by 0.0145, giving 0.0145
SODIUM HYDROXIDE (@0.01%) Increasing Total for FAD3 by 0.3625, giving 3.74822906
TOLUENE (@0.01%) Increasing Total for FAD3 by 0.000522, giving 3.74875106
PHENOL (@0.00%) Increasing Total for FAD1 by 3.5, giving 6860.9180625
ALPHA-METHYLSTYRENE / ISOPROPENYLBENZENE (@0.00%) Increasing Total for FAD3 by 0.00035, giving 3.74910106
OCTAMETHYLCYCLOTETRASILOXANE (@0.00%) Increasing Total for FAD3 by 0.00036, giving 3.74946106
Decamethylcyclopentasiloxane (@0.00%) Increasing Total for FAD1 by 0.0036, giving 6860.9216625
BENZENE (@0.00%) Increasing Total for FAD6 by 0.001973, giving 0.001973
PHENYL GLYCIDYL ETHER (@0.00%) Increasing Total for FAD6 by 0.0000144, giving 0.0019874
PHENYL GLYCIDYL ETHER (@0.000072%) Increasing Total for FAD5 by 0.00072, giving 12.7506341
EPICHLOROHYDRIN (@0.00%) Increasing Total for FAD6 by 0.00012, giving 0.0021074
EPICHLOROHYDRIN (@0.00%) Increasing Total for FAD3 by 0.00048, giving 3.74994106
CUMENE (@0.00%) Increasing Total for FAD3 by 0.0000098, giving 3.74995086
4,4-ISOPROPYLIDENEDIPHENOL (@0.0000095%) Increasing Total for FAD5 by 0.0000095, giving 12.7506436
PROPYLENE OXIDE (@0.00%) Increasing Total for FAD6 by 0.0000149, giving 0.0021223
ACETALDEHYDE (@0.00%) Increasing Total for FAD3 by 0.0000038, giving 3.74995466
HYDROCHLORIC ACID (@0.00%) Increasing Total for FAD4 by 0.000000076, giving 0.014500076
HYDROCHLORIC ACID (@0.00%) Increasing Total for FAD3 by 0.00000095, giving 3.74995561
FORMALDEHYDE (@0.00%) Increasing Total for FAD6 by 0.00000028, giving 0.00212258
FORMALDEHYDE (@0.00%) Increasing Total for FAD3 by 0.0000028, giving 3.74995841
ETHYLENE OXIDE (@0.00%) Increasing Total for FAD6 by 0.0000014, giving 0.00212398
1,4-DIOXANE (@0.00%) Increasing Total for FAD6 by 0.000000016, giving 0.002123996
1,4-DIOXANE (@0.00%) Increasing Total for FAD3 by 0.0000016, giving 3.74996001
METHYL ALCOHOL (@0.00%) Increasing Total for FAD6 by 0.000000008, giving 0.002124004
METHYL ALCOHOL (@0.00%) Increasing Total for FAD3 by 0.00000016, giving 3.74996017
METHYL CHLORIDE (@0.00%) Increasing Total for FAD1 by 0.00016, giving 6860.9218225
Figure-after-the-dash =5. Total of components with FAD=5 is >=1.

Low Boiling Liquid = False.

PROPYLENE OXIDE (@0.00%) Total increased by 0.00*1/100=0.00. Running Total = 0.00
ACETALDEHYDE (@0.00%) Total increased by 0.00*1/100=0.00. Running Total = 0.00
ETHYLENE OXIDE (@0.00%) Total increased by 0.00*11/100=0.00. Running Total = 0.00
METHYL ALCOHOL (@0.00%) Total increased by 0.00*54/100=0.00. Running Total = 0.00
METHYL CHLORIDE (@0.00%) Total increased by 0.00*476.19/100=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	:	3-5
MAL Number	:	853.765
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: 3-5
Application: When using scraper or knife, brush, roller etc. for pre- and post-treatments in a spray booth where the operator is outside the spray zone and when working in similar new* facilities of the combined-cabin, spray-cabin and spray-booth type where the operator is working inside the spray zone. When spraying in new* booths and cabins with non-atomizing guns.

- Protective clothing 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. 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. 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, protective clothing and eye protection must be worn.

When spraying in new* booths if the operator is outside the spray zone.

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

When spraying in existing* spray booths, if the operator is outside the spray zone. 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 and protective clothing 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, protective clothing 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.