Audit - EU DK MAL Code

SIGMAFAST 278 BASE OFFWHITE

Denmark MAL Code

Audit - MAL Code

EU Denmark MAL Code:- 2-5

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

Product is a Liquid

SIGMAFAST 278 BASE OFFWHITE - Components considered for the MAL Code calculation.

QUARTZ (>10 microns) (22.53%) {Denmark MAL Code}

Carcinogen.

CAS: 14808607

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 = 225.3

EPOXY RESIN (AVERAGE MOLECULAR WT < 700) (15.85%) {Denmark MAL Code}

CAS: 25068386

Density: 1.16

Molecular Weight: 600

Boiling Point: 286

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 = 15.85

CALCIUM CARBONATE (14%) {Denmark MAL Code}

CAS: 1317653

Density: 2.83

Relative Density: 2.7

Molecular Weight: 100.09

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

No MAL Factor calculated.

FAD entered: 1; Lower Limit: 1

FAD 1 Quotient = 14

Talc, non-asbestos form (9.601%) {Denmark MAL Code}

CAS: 14807966

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 = 96.01
QUARTZ (<10 microns) (7.47%) {Denmark MAL Code}
Carcinogen.
CAS: 14808607
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: 3; Lower Limit: 1
FAD 6 Quotient = 0.747
FAD 3 Quotient = 7.47
XYLENES (7.049754%) {Denmark MAL Code}
Organic Solvent.
CAS: 1330207
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 = 0.705
FAD 1 Quotient = 35.249
4-nonylphenol, branched (7%) {Denmark MAL Code}
CAS: 84852153
Density: 0.95
Molecular Weight: 220.39
Boiling Point: 302
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 = 3.5
TITANIUM DIOXIDE (5.69967%) {Denmark MAL Code}
Carcinogen.
CAS: 13463677
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 = 5699.67
HYDROCARBON RESIN (3%) {Denmark MAL Code}
CAS: 68131997
Density: 0
No LBL Factor entered or estimated from CAS Number or Boiling Point.
No MAL Factor calculated.
FAD: 1. (Default)
FAD 1 Quotient = 3000
PROPYLENE GLYCOL MONOMETHYL ETHER (1.991%) {Denmark MAL Code}
Organic Solvent.
CAS: 107982
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 = 1991
ETHYLBENZENE (1.286%) {Denmark MAL Code}
Organic Solvent.
Carcinogen.
CAS: 100414
Density: 0.866
Relative Density: 0.9
Molecular Weight: 106.18
Boiling Point: 136.1
Vapour Pressure: 9.3
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 = 0.129
oxirane, mono[(C12-14-alkyloxy)methyl]derivs (1%) {Denmark MAL Code}
CAS: 68609972
Density: 0.9
Molecular Weight: 512.86
Boiling Point: 220
Vapour Pressure: 0
No LBL Factor entered or estimated from CAS Number or Boiling Point.
R Phrases: R43 Xi;R38
MAL Factor from Sub-Annex 2: 0
FAD:5. (Skin Sens)
FAD 5 Quotient = 1000
ZINC ORTHOPHOSPHATE (0.985%) {Denmark MAL Code}
CAS: 7779900
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 = 985

MICRONIZED AMIDE WAX (0.7%) {Denmark MAL Code}
CAS: SUB102020
Density: 1
No LBL Factor entered or estimated from CAS Number or Boiling Point.
No MAL Factor calculated.
FAD: 1. (Default)
FAD 1 Quotient = 700

TRIMETHOXYSILANE (0.29943%) {Denmark MAL Code}
CAS: 2530838
Density: 1.07
Molecular Weight: 236.38
Boiling Point: 290
Vapour Pressure: 0.01
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 = 2.994

SURFACTANT (0.25495%) {Denmark MAL Code}
CAS: SUB100185
Density: 2
No LBL Factor entered or estimated from CAS Number or Boiling Point.
No MAL Factor calculated.
FAD: 1. (Default)
FAD 1 Quotient = 254.95

Castor Oil Derivative (0.2253%) {Denmark MAL Code}
CAS: SUB114071
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 = 225.3

ALUMINUM HYDROXIDE (0.21%) {Denmark MAL Code}
CAS: 21645512
Density: 2.42
Molecular Weight: 78
Vapour Pressure: 0.072
No LBL Factor entered or estimated from CAS Number or Boiling Point.
MAL Factor entered: 0. Limit: 0
FAD entered: 1; Lower Limit: 0.1
FAD 1 Quotient = 2.1

IRON OXIDE BLACK (0.21%) {Denmark MAL Code}
CAS: 1317619
Density: 5.17
Molecular Weight: 231.54

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 = 2.1

METHYL ALKYL POLYSILOXANE (0.194%) {Denmark MAL Code}
CAS: SUB102665
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 = 194

WATER (0.149%) {Denmark MAL Code}
CAS: 7732185
Density: 1
Molecular Weight: 18.02
Boiling Point: 100
Vapour Pressure: 23.8
No LBL Factor entered or estimated from CAS Number or Boiling Point.
MAL Factor entered: 0. Limit: 0
FAD entered: 0; Lower Limit: 0

Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine (0.0747%) {Denmark MAL Code}
CAS: 100545480
Density: 1.04
Vapour Pressure: 0
No LBL Factor entered or estimated from CAS Number or Boiling Point.
R Phrases: R43 R52/53
MAL Factor from Sub-Annex 2: 0
FAD: 1. (Default)
FAD 1 Quotient = 74.7

SILICA (0.06%) {Denmark MAL Code}
CAS: 7631869
Density: 2
Relative Density: 2.2
Molecular Weight: 60.08
Boiling Point: 2230
No LBL Factor entered or estimated from CAS Number or Boiling Point.
MAL Factor entered: 0. Limit: 0
FAD entered: 1; Lower Limit: 0
FAD 1 Quotient = 60

TOLUENE (0.03308%) {Denmark MAL Code}
Organic Solvent.
CAS: 108883
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 = 0.003

ZIRCONIUM OXIDE (0.03%) {Denmark MAL Code}
CAS: 1314234
Density: 5.85
Molecular Weight: 123.22
No LBL Factor entered or estimated from CAS Number or Boiling Point.
MAL Factor entered: 0. Limit: 0
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.
FAD 1 Quotient = 0.3

ALUMINUM OXIDE (0.03%) {Denmark MAL Code}
CAS: 1344281
Density: 3.97
Relative Density: 4
Molecular Weight: 101.96
Boiling Point: 3000
No LBL Factor entered or estimated from CAS Number or Boiling Point.
MAL Factor entered: 0. Limit: 0
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.
FAD 1 Quotient = 0.3

2,6-DIMETHYLHEPTANONE (0.0175%) {Denmark MAL Code}
Organic Solvent.
CAS: 108838
Density: 0.81
Relative Density: 0.805
Molecular Weight: 142.27
Boiling Point: 168.26
Vapour Pressure: 1.73
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 = 17.5

ZINC OXIDE (0.01459%) {Denmark MAL Code}
CAS: 1314132
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 = 14.59

CALCIUM OXYDE (0.01%) {Denmark MAL Code}
CAS: 1305788
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 = 0.005
4,6-DIMETHYL-2-HEPTANONE (0.0075%) {Denmark MAL Code}
CAS: 19549805
Density: 0
No LBL Factor entered or estimated from CAS Number or Boiling Point.
No MAL Factor calculated.
FAD: 1. (Default)
FAD 1 Quotient = 7.5
1-OCTENE (0.006%) {Denmark MAL Code}
CAS: 111660
Density: 0.71
Relative Density: 0.7
Molecular Weight: 112.22
Boiling Point: 121.29
Vapour Pressure: 13.96
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 = 0.006
2-METHOXY-1-PROPANOL (0.0058%) {Denmark MAL Code}
Organic Solvent.
CAS: 1589475
Density: 0.938
Molecular Weight: 90.14
Boiling Point: 130
Vapour Pressure: 4.1
No LBL Factor entered or estimated from CAS Number or Boiling Point.
MAL Factor entered: 267. Limit: 0
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.
FAD 6 Quotient = 0.003
BENZENE (0.0012425%) {Denmark MAL Code}
Organic Solvent.
Carcinogen.
CAS: 71432
Density: 0.877
Relative Density: 0.88
Molecular Weight: 78.12
Boiling Point: 80.09
Vapour Pressure: 75.01
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 = 0.012
CHLORITE-GROUP MINERALS (0.001%) {Denmark MAL Code}
CAS: 1318598

Density: 2.8
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 = 0.01
DOLOMITE (0.001%) {Denmark MAL Code}
CAS: 16389881
Density: 2.85
Molecular Weight: 188.43
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 = 0.01
MAGNESIUM CARBONATE (0.001%) {Denmark MAL Code}
CAS: 13717005
Density: 3
Molecular Weight: 84.31
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 = 0.01
Lead (0.0004%) {Denmark MAL Code}
CAS: 7439921
Density: 11.34
Relative Density: 11.34
Molecular Weight: 207.19
Boiling Point: 660
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
FAD 6 Quotient = 0.000
METHYL ALCOHOL (0.00027%) {Denmark MAL Code}
Organic Solvent.
CAS: 67561
Density: 0.792
Relative Density: 0.79
Molecular Weight: 32.05
Boiling Point: 64.7
Vapour Pressure: 126.96
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
ALLYL GLYCIDYL ETHER (0.00027%) {Denmark MAL Code}
Organic Solvent.
Carcinogen.

CAS: 106923
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 = 0.27

ACETIC ACID (0.0002%) {Denmark MAL Code}
Organic Solvent.
CAS: 64197
Density: 1.04
Relative Density: 1.05
Molecular Weight: 60.06
Boiling Point: 117.9
Vapour Pressure: 15.59
No LBL Factor entered or estimated from CAS Number or Boiling Point.
MAL Factor entered: 1. Limit:
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.
FAD 4 Quotient = 0.000

TIN (0.000186%) {Denmark MAL Code}
CAS: 7440315
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 = 0.186

ARSENIC (0.000078%) {Denmark MAL Code}
Carcinogen.
CAS: 7440382
Density: 5.7
Relative Density: 5.73
Molecular Weight: 74.92
Vapour Pressure: 0
No LBL Factor entered or estimated from CAS Number or Boiling Point.
MAL Factor entered: 0. Limit: 0
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.
FAD 6 Quotient = 0.000

NICKEL (0.00003%) {Denmark MAL Code}
Carcinogen.
CAS: 7440020

Density: 8.9
Relative Density: 8.9
Molecular Weight: 58.71
Boiling Point: 2730
No LBL Factor entered or estimated from CAS Number or Boiling Point.
MAL Factor entered: 0. Limit: 0
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.
FAD 5 Quotient = 0.000
FAD 6 Quotient = 0.000

ANTIMONY (0.000018%) {Denmark MAL Code}
CAS: 7440360
Density: 6.7
Molecular Weight: 121.75
Boiling Point: 1635
No LBL Factor entered or estimated from CAS Number or Boiling Point.
MAL Factor from OEL: 0
R Phrases: Xn;R22 Xn;R20 N;R51/53
FAD: 1. (Default)
FAD 1 Quotient = 0.018

BARIUM (0.000012%) {Denmark MAL Code}
CAS: 7440393
Density: 3.6
Relative Density: 3.6
Molecular Weight: 137.34
Boiling Point: 1640
No LBL Factor entered or estimated from CAS Number or Boiling Point.
MAL Factor from OEL: 0
R Phrases: F;R15 Xi;R38 Xi;R36 Xi;R37
FAD: 1. (Default)
FAD 1 Quotient = 0.012

CADMIUM (0.00001%) {Denmark MAL Code}
Carcinogen.
CAS: 7440439
Density: 8.64
Relative Density: 8.64
Molecular Weight: 112.4
Boiling Point: 766.85
Vapour Pressure: 0.97507995
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

CHROMIUM (0.000006%) {Denmark MAL Code}
CAS: 7440473
Density: 7.15
Relative Density: 7.14
Molecular Weight: 52
Boiling Point: 2642

No LBL Factor entered or estimated from CAS Number or Boiling Point.
MAL Factor entered: 0. Limit: 0
FAD entered: 1; Lower Limit: No limit specified. A very low value will be used.
FAD 3 Quotient = 0.000
2-METHOXY-1-PROPYL ACETATE (0.0000035%) {Denmark MAL Code}
Organic Solvent.
CAS: 70657704
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 = 0.000
Density = 1.642. Entered value.
Figure-before-the dash = 2
QUARTZ (>10 microns)(@22.53%). MAL Factor = 0. Total increased by 22.53*0=0. Running Total = 0
EPOXY RESIN (AVERAGE MOLECULAR WT < 700)(@15.85%). MAL Factor = 0. Total increased by 15.85*0=0. Running Total = 0
Talc, non-asbestos form(@9.60%). MAL Factor = 0. Total increased by 9.60*0=0. Running Total = 0
QUARTZ (<10 microns)(@7.47%). MAL Factor = 0. Total increased by 7.47*0=0. Running Total = 0
XYLENES(@7.05%). MAL Factor = 46. Total increased by 7.05*46=324.29. Running Total = 324.29
4-nonylphenol, branched(@7%). MAL Factor = 0. Total increased by 7*0=0. Running Total = 324.29
TITANIUM DIOXIDE(@5.70%). MAL Factor = 0. Total increased by 5.70*0=0. Running Total = 324.29
PROPYLENE GLYCOL MONOMETHYL ETHER(@1.99%). MAL Factor = 28. Total increased by 1.99*28=55.75. Running Total = 380.04
ETHYLBENZENE(@1.29%). MAL Factor = 46. Total increased by 1.29*46=59.16. Running Total = 439.19
oxirane, mono[(C12-14-alkyloxy)methyl]derivs(@1%). MAL Factor = 0. Total increased by 1*0=0. Running Total = 439.19
ZINC ORTHOPHOSPHATE(@0.98%). MAL Factor = 0. Total increased by 0.98*0=0. Running Total = 439.19
TRIMETHOXYSILANE(@0.30%). MAL Factor = 50. Total increased by 0.30*50=14.97. Running Total = 454.16
ALUMINUM HYDROXIDE(@0.21%). MAL Factor = 0. Total increased by 0.21*0=0. Running Total = 454.16
IRON OXIDE BLACK(@0.21%). MAL Factor = 0. Total increased by 0.21*0=0. Running Total = 454.16
WATER(@0.15%). MAL Factor = 0. Total increased by 0.15*0=0. Running Total = 454.16
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine(@0.07%). MAL Factor = 0. Total increased by 0.07*0=0.00. Running Total = 454.16
SILICA(@0.06%). MAL Factor = 0. Total increased by 0.06*0=0. Running Total = 454.16
TOLUENE(@0.03%). MAL Factor = 74. Total increased by 0.03*74=2.45. Running Total = 456.61
ZIRCONIUM OXIDE(@0.03%). MAL Factor = 0. Total increased by 0.03*0=0. Running Total = 456.61
ALUMINUM OXIDE(@0.03%). MAL Factor = 0. Total increased by 0.03*0=0. Running Total = 456.61
2,6-DIMETHYLHEPTANONE(@0.02%). MAL Factor = 47. Total increased by 0.02*47=0.82. Running Total = 457.43
ZINC OXIDE(@0.01%). MAL Factor = 0. Total increased by 0.01*0=0. Running Total = 457.43
CALCIUM OXYDE(@0.01%). MAL Factor = 0. Total increased by 0.01*0=0. Running Total = 457.43
1-OCTENE(@0.01%). MAL Factor = 1. Total increased by 0.01*1=0.01. Running Total = 457.44
2-METHOXY-1-PROPANOL(@0.01%). MAL Factor = 267. Total increased by 0.01*267=1.55. Running Total = 458.99
BENZENE(@0.00%). MAL Factor = 880. Total increased by 0.00*880=1.09. Running Total = 460.08
CHLORITE-GROUP MINERALS(@0.00%). MAL Factor = 0. Total increased by 0.00*0=0. Running Total = 460.08
DOLOMITE(@0.00%). MAL Factor = 0. Total increased by 0.00*0=0. Running Total = 460.08
MAGNESIUM CARBONATE(@0.00%). MAL Factor = 0. Total increased by 0.00*0=0. Running Total = 460.08
Lead(@0.00%). MAL Factor = 0. Total increased by 0.00*0=0. Running Total = 460.08
METHYL ALCOHOL(@0.00%). MAL Factor = 54. Total increased by 0.00*54=0.01. Running Total = 460.10

ALLYL GLYCIDYL ETHER(@0.00%). MAL Factor = 909.09. Total increased by 0.00*909.09=0.25. Running Total = 460.34
ACETIC ACID(@0.00%). MAL Factor = 1. Total increased by 0.00*1=0.00. Running Total = 460.34
TIN(@0.00%). MAL Factor = 0. Total increased by 0.00*0=0.00. Running Total = 460.34
ARSENIC(@0.00%). MAL Factor = 0. Total increased by 0.00*0=0. Running Total = 460.34
NICKEL(@0.00%). MAL Factor = 0. Total increased by 0.00*0=0. Running Total = 460.34
ANTIMONY(@0.00%). MAL Factor = 0. Total increased by 0.00*0=0.00. Running Total = 460.34
BARIUM(@0.00%). MAL Factor = 0. Total increased by 0.00*0=0.00. Running Total = 460.34
CADMIUM(@0.00%). MAL Factor = 0. Total increased by 0.00*0=0. Running Total = 460.34
CHROMIUM(@0.00%). MAL Factor = 0. Total increased by 0.00*0=0. Running Total = 460.34
2-METHOXY-1-PROPYL ACETATE(@0.00%). MAL Factor = 181. Total increased by 0.00*181=0.00. Running Total = 460.34
Figure-before-the-dash calculated as 2. Via MAL Factor Total * Density (460.34 * 1.642) giving a MAL Number of 756
MAL Number = Density (1.642) * Sum (460.34) = 756
Figure-after-the-dash = 5. Calculated from component data.
QUARTZ (>10 microns) (@22.53%) Increasing Total for FAD1 by 225.3, giving 225.3
EPOXY RESIN (AVERAGE MOLECULAR WT < 700) (@15.85%) Increasing Total for FAD5 by 15.85, giving 15.85
CALCIUM CARBONATE (@14%) Increasing Total for FAD1 by 14, giving 239.3
Talc, non-asbestos form (@9.60%) Increasing Total for FAD1 by 96.01, giving 335.31
QUARTZ (<10 microns) (@7.47%) Increasing Total for FAD6 by 0.747, giving 0.747
QUARTZ (<10 microns) (@7.47%) Increasing Total for FAD3 by 7.47, giving 7.47
XYLENES (@7.05%) Increasing Total for FAD3 by 0.7049754, giving 8.1749754
XYLENES (@7.05%) Increasing Total for FAD1 by 35.24877, giving 370.55877
4-nonylphenol, branched (@7%) Increasing Total for FAD3 by 3.5, giving 11.6749754
TITANIUM DIOXIDE (@5.70%) Increasing Total for FAD1 by 5699.67, giving 6070.22877
HYDROCARBON RESIN (@3%) Increasing Total for FAD1 by 3000, giving 9070.22877
PROPYLENE GLYCOL MONOMETHYL ETHER (@1.99%) Increasing Total for FAD1 by 1991, giving 11061.22877
ETHYLBENZENE (@1.29%) Increasing Total for FAD3 by 0.1286, giving 11.8035754
oxirane, mono[(C12-14-alkyloxy)methyl]derivs (@1%) Increasing Total for FAD5 by 1000, giving 1015.85
ZINC ORTHOPHOSPHATE (@0.98%) Increasing Total for FAD1 by 985, giving 12046.22877
MICRONIZED AMIDE WAX (@0.7%) Increasing Total for FAD1 by 700, giving 12746.22877
TRIMETHOXYSILANE (@0.30%) Increasing Total for FAD1 by 2.9943, giving 12749.22307
SURFACTANT (@0.25%) Increasing Total for FAD1 by 254.95, giving 13004.17307
Castor Oil Derivative (@0.23%) Increasing Total for FAD1 by 225.3, giving 13229.47307
ALUMINUM HYDROXIDE (@0.21%) Increasing Total for FAD1 by 2.1, giving 13231.57307
IRON OXIDE BLACK (@0.21%) Increasing Total for FAD1 by 2.1, giving 13233.67307
METHYL ALKYL POLYSILOXANE (@0.19%) Increasing Total for FAD1 by 194, giving 13427.67307
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine (@0.07%) Increasing Total for FAD1 by 74.7, giving 13502.37307
SILICA (@0.06%) Increasing Total for FAD1 by 60, giving 13562.37307
TOLUENE (@0.03%) Increasing Total for FAD3 by 0.003308, giving 11.8068834
ZIRCONIUM OXIDE (@0.03%) Increasing Total for FAD1 by 0.3, giving 13562.67307
ALUMINUM OXIDE (@0.03%) Increasing Total for FAD1 by 0.3, giving 13562.97307
2,6-DIMETHYLHEPTANONE (@0.02%) Increasing Total for FAD1 by 17.5, giving 13580.47307
ZINC OXIDE (@0.01%) Increasing Total for FAD1 by 14.59, giving 13595.06307
CALCIUM OXYDE (@0.01%) Increasing Total for FAD3 by 0.005, giving 11.8118834
4,6-DIMETHYL-2-HEPTANONE (@0.01%) Increasing Total for FAD1 by 7.5, giving 13602.56307
1-OCTENE (@0.01%) Increasing Total for FAD3 by 0.006, giving 11.8178834
2-METHOXY-1-PROPANOL (@0.01%) Increasing Total for FAD6 by 0.0029, giving 0.7499
BENZENE (@0.00%) Increasing Total for FAD6 by 0.012425, giving 0.762325
CHLORITE-GROUP MINERALS (@0.00%) Increasing Total for FAD1 by 0.01, giving 13602.57307

DOLOMITE (@0.00%) Increasing Total for FAD1 by 0.01, giving 13602.58307
MAGNESIUM CARBONATE (@0.00%) Increasing Total for FAD1 by 0.01, giving 13602.59307
Lead (@0.00%) Increasing Total for FAD6 by 0.00004, giving 0.762365
Lead (@0.00%) Increasing Total for FAD3 by 0.0016, giving 11.8194834
METHYL ALCOHOL (@0.00%) Increasing Total for FAD6 by 0.0000135, giving 0.7623785
METHYL ALCOHOL (@0.00%) Increasing Total for FAD3 by 0.00027, giving 11.8197534
ALLYL GLYCIDYL ETHER (@0.00%) Increasing Total for FAD1 by 0.27, giving 13602.86307
ACETIC ACID (@0.00%) Increasing Total for FAD4 by 0.000008, giving 0.000008
TIN (@0.00%) Increasing Total for FAD1 by 0.186, giving 13603.04907
ARSENIC (@0.00%) Increasing Total for FAD6 by 0.00039, giving 0.7627685
NICKEL (@0.00%) Increasing Total for FAD6 by 0.000006, giving 0.7627745
NICKEL (@0.00003%) Increasing Total for FAD5 by 0.0003, giving 1015.8503
ANTIMONY (@0.00%) Increasing Total for FAD1 by 0.018, giving 13603.06707
BARIUM (@0.00%) Increasing Total for FAD1 by 0.012, giving 13603.07907
CADMIUM (@0.00%) Increasing Total for FAD6 by 0.0001, giving 0.7628745
CHROMIUM (@0.00%) Increasing Total for FAD3 by 0.0000006, giving 11.8197540
2-METHOXY-1-PROPYL ACETATE (@0.00%) Increasing Total for FAD6 by 0.0000175, giving 0.7628920
Figure-after-the-dash =5. Total of components with FAD=5 is >=1.
Low Boiling Liquid = False.
METHYL ALCOHOL (@0.00%) Total increased by 0.00*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	:	2-5
MAL Number	:	755.884
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: 2-5

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.

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.

- Gas filter mask and protective clothing must be worn.

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

- Air-supplied full mask and protective clothing must be worn.

During non-atomising spraying in existing* facilities of the combined-cabin, spray-cabin and spray-booth type where the operator is working inside the spray zone. During downtimes, cleaning and repair in closed facilities, spray booths or cabins, if there is a risk of contact with wet paint or organic solvents.

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

During all spraying where atomisation 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.