Audit - EU DK MAL Code

SIGMADUR 550 BASE REDBROWN 6179

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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 550 BASE REDBROWN 6179 - Components considered for the MAL Code calculation. {Denmark MAL Code}
     BARIUM SULPHATE (36.398%)
      CAS: 13462-86-7
      Density: 4.4
      Molecular Weight: 235.41
      No LBL Factor entered or estimated from CAS Number or Boiling Point.
      MAL Factor entered: 0. Limit: 0
      FAD entered: 2: Lower Limit: 2
      FAD 2 Quotient = 18.199
     hydroxy acrylic resin (24.5682%)
      CAS: SUB109728
      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 = 24568.2
    XYLENES (21.5596893102%)
      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 = 2.156
      FAD 1 Quotient = 107.798
     Diiron trioxide (5.217%)
      CAS: 1309-37-1
      Density: 5.25
      Relative Density: 5.18
      Molecular Weight: 159.69
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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 = 52.17** N-BUTYL ACETATE (5.0035475%) 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 = 5003.548 ETHYLBENZENE (3.84138449%) 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 = 0.384 N,N-1,6-HEXANEDIYLBIS (12-HYDROXY-OCTADECANEIMIDE) (1.531%) CAS: 55349-01-4 Density: 1.06 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 = 15.31 2,6-DIMETHYLHEPTANONE (0.3828%) 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 = 382.8 2-BUTOXY ETHANOL (0.3828%) Organic Solvent.

CAS: 111-76-2 Density: 0.9

Relative Density: 0.9 Molecular Weight: 118.18 Boiling Point: 171.25 Vapour Pressure: 0.75006

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

MAL Factor entered: 25. Limit: 0

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

FAD 3 Quotient = 0.038

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (0.287%)

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 = 287

2,9 DIMETHYL QUINACRIDONE (0.19885%)

CAS: 980-26-7 Density: 1.45

Molecular Weight: 340.4

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 = 1.988

BLOCKED COPOLYMER (0.17235%)

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 = 1.724 cyclohexanone (0.16269%)

Organic Solvent. CAS: 108-94-1 Density: 0.946

Relative Density: 0.95 Molecular Weight: 98.14 Boiling Point: 154.3 Vapour Pressure: 3.75

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

MAL Factor entered: 70. Limit: 0 FAD entered: 1; Lower Limit: 0 FAD 1 Quotient = 162.69 TOLUENE (0.0655885392%)

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 2-HYDROXYETHYL METHACRYLATE (0.0655152%) CAS: 868-77-9 Density: 1.07 Molecular Weight: 130.16 **Boiling Point: 213** Vapour Pressure: 0.06001 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 = 0.066 FAD 5 Quotient = 0.013 1-METHOXY-2-PROPYL ACETATE (0.047875%) 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 = 47.875 Siloxanes and Silicones, di-Me, [(triethoxysilyl)oxy]-terminated (0.02871%) CAS: 67923-21-1 Density: 0 No LBL Factor entered or estimated from CAS Number or Boiling Point. No MAL Factor calculated. FAD: 1. (Default) FAD 1 Quotient = 28.71 ALKOXYLATED BUTYL ETHER (0.0285194976%) 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 = 0.014 1-BUTANOL (0.014925%)

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 = 14.925 proprietary siloxane (0.0132672%) 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 = 13.267 ISOBUTYL ALCOHOL (0.009504%) 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 = 9.504 proprietary polyglycol (0.0080544%) 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 = 8.054** ALUMINUM SILICATE (0.00615%) CAS: 1332-58-7 Density: 2.6 Relative Density: 2.6 No LBL Factor entered or estimated from CAS Number or Boiling Point. MAL Factor entered: 0. Limit: 0 FAD entered: 1; Lower Limit: No limit specified. A very low value will be used. FAD 1 Quotient = 0.062 BENZENE (0.0024648246%) 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 = 0.025

DIBUTYL TIN DILAURATE (0.0023668%)

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 = 0.002 FAD 3 Quotient = 0.009 WATER (0.00199%) 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 ACETIC ACID (0.0004975%)

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: 400. 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

2-METHOXY-1-PROPYL ACETATE (0.00037917%)

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 = 0.002** organotin compound (0.00037917%) 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 = 0.379** OCTAMETHYLCYCLOTETRASILOXANE (0.0001728%) 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 (0.0001728%) 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 = 0.002 CUMENE (0.000081304%) 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

COCONUT FATTY ACIDS (0.0000732%) CAS: 61788-47-4 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 = 0.000PROPYLENE OXIDE (0.0000014304%) 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 (0.0000001824%) 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 (0.0000001824%) 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 (0.0000001344%) 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 (0.000001344%) 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 (0.000000768%) 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 (0.000000768%) 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 (0.0000000768%)

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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 = 1.418. Entered value.
Figure-before-the dash = 4
  BARIUM SULPHATE(@36.40%), MAL Factor = 0. Total increased by 36.40*0=0. Running Total = 0.
  XYLENES(@21.56%). MAL Factor = 46. Total increased by 21.56*46=991.75. Running Total = 991.75
  Diiron trioxide (@5.22%). MAL Factor = 0. Total increased by 5.22*0=0. Running Total = 991.75
  N-BUTYL ACETATE(@5.00%), MAL Factor = 14. Total increased by 5.00*14=70.05, Running Total = 1061.80
  ETHYLBENZENE(@3.84%). MAL Factor = 46. Total increased by 3.84*46=176.70. Running Total = 1238.50
  N,N-1,6-HEXANEDIYLBIS (12-HYDROXY-OCTADECANEIMIDE)(@1.53%). MAL Factor = 0. Total increased by 1.53*0=0. Running Total = 1238.50
  2,6-DIMETHYLHEPTANONE(@0.38%), MAL Factor = 47. Total increased by 0.38*47=17.99. Running Total = 1256.49
  2-BUTOXY ETHANOL(@0.38%). MAL Factor = 25. Total increased by 0.38*25=9.57. Running Total = 1266.06
  2,9 DIMETHYL QUINACRIDONE(@0.20%). MAL Factor = 0. Total increased by 0.20*0=0. Running Total = 1266.06
  BLOCKED COPOLYMER(@0.17%). MAL Factor = 0. Total increased by 0.17*0=0. Running Total = 1266.06
  cvclohexanone(@0.16%), MAL Factor = 70. Total increased by 0.16*70=11.39. Running Total = 1277.45
  TOLUENE(@0.07%). MAL Factor = 74. Total increased by 0.07*74=4.85. Running Total = 1282.30
  2-HYDROXYETHYL METHACRYLATE(@0.07%), MAL Factor = 0. Total increased by 0.07*0=0. Running Total = 1282.30
  1-METHOXY-2-PROPYL ACETATE(@0.05%). MAL Factor = 19. Total increased by 0.05*19=0.91. Running Total = 1283.21
  ALKOXYLATED BUTYL ETHER(@0.03%). MAL Factor = 0. Total increased by 0.03*0=0. Running Total = 1283.21
  1-BUTANOL(@0.01%), MAL Factor = 67. Total increased by 0.01*67=1.00, Running Total = 1284.21
  ISOBUTYL ALCOHOL(@0.01%). MAL Factor = 67. Total increased by 0.01*67=0.64. Running Total = 1284.85
  ALUMINUM SILICATE (@0.01%), MAL Factor = 0. Total increased by 0.01*0=0. Running Total = 1284.85
  BENZENE(@0.00%). MAL Factor = 880. Total increased by 0.00*880=2.17. Running Total = 1287.02
  DIBUTYL TIN DILAURATE(@0.00%), MAL Factor = 0, Total increased by 0.00*0=0, Running Total = 1287.02
  WATER(@0.00%). MAL Factor = 0. Total increased by 0.00*0=0. Running Total = 1287.02
  ACETIC ACID(@0.00%). MAL Factor = 400. Total increased by 0.00*400=0.20. Running Total = 1287.22
  2-METHOXY-1-PROPYL ACETATE(@0.00%), MAL Factor = 181. Total increased by 0.00*181=0.07. Running Total = 1287.29
  organotin compound(@0.00%). MAL Factor = 0. Total increased by 0.00*0=0.00. Running Total = 1287.29
  OCTAMETHYLCYCLOTETRASILOXANE(@0.00%). MAL Factor = 1. Total increased by 0.00*1=0.00. Running Total = 1287.29
  Decamethylcyclopentasiloxane(@0.00%). MAL Factor = 0. Total increased by 0.00*0=0. Running Total = 1287.29
  CUMENE(@0.00%). MAL Factor = 1. Total increased by 0.00*1=0.00. Running Total = 1287.29
  COCONUT FATTY ACIDS(@0.00%), MAL Factor = 0. Total increased by 0.00*0=0. Running Total = 1287.29
  PROPYLENE OXIDE(@0.00%). MAL Factor = 1. Total increased by 0.00*1=0.00. Running Total = 1287.29
  ACETALDEHYDE(@0.00%). MAL Factor = 1. Total increased by 0.00*1=0.00. Running Total = 1287.29
  HYDROCHLORIC ACID(@0.00%). MAL Factor = 2900. Total increased by 0.00*2900=0.00. Running Total = 1287.29
  FORMALDEHYDE(@0.00%). MAL Factor = 2500. Total increased by 0.00*2500=0.00. Running Total = 1287.29
  ETHYLENE OXIDE(@0.00%). MAL Factor = 11. Total increased by 0.00*11=0.00. Running Total = 1287.29
  1,4-DIOXANE(@0.00%). MAL Factor = 390. Total increased by 0.00*390=0.00. Running Total = 1287.29
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METHYL ALCOHOL (@0.00%). MAL Factor = 54. Total increased by 0.00*54=0.00. Running Total = 1287.29
    METHYL CHLORIDE(@0.00%), MAL Factor = 476.19. Total increased by 0.00*476.19=0.00. Running Total = 1287.29
    Figure-before-the-dash calculated as 4. Via MAL Factor Total * Density (1287.29 * 1.418) giving a MAL Number of 1825
  MAL Number = Density (1.418) * Sum (1287.29) = 1825
  Figure-after-the-dash = 3. Calculated from component data.
    BARIUM SULPHATE (@36.40%) Increasing Total for FAD2 by 18.199, giving 18.199
    hydroxy acrylic resin (@24.57%) Increasing Total for FAD1 by 24568.2, giving 24568.2
    XYLENES (@21.56%) Increasing Total for FAD3 by 2.15596893102, giving 2.15596893102
    XYLENES (@21.56%) Increasing Total for FAD1 by 107.798446551, giving 24675.998446551
    Diiron trioxide (@5.22%) Increasing Total for FAD1 by 52.17, giving 24728.168446551
    N-BUTYL ACETATE (@5.00%) Increasing Total for FAD1 by 5003.5475, giving 29731.715946551
    ETHYLBENZENE (@3.84%) Increasing Total for FAD3 by 0.384138449, giving 2.54010738002
    N,N-1,6-HEXANEDIYLBIS (12-HYDROXY-OCTADECANEIMIDE) (@1.53%) Increasing Total for FAD1 by 15.31, giving 29747.025946551
    2,6-DIMETHYLHEPTANONE (@0.38%) Increasing Total for FAD1 by 382.8, giving 30129.825946551
    2-BUTOXY ETHANOL (@0.38%) Increasing Total for FAD3 by 0.03828, giving 2.57838738002
    Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (@0.29%) Increasing Total for FAD1 by 287,
giving 30416.825946551
    2.9 DIMETHYL QUINACRIDONE (@0.20%) Increasing Total for FAD1 by 1.9885, giving 30418.814446551
    BLOCKED COPOLYMER (@0.17%) Increasing Total for FAD1 by 1.7235, giving 30420.537946551
    cyclohexanone (@0.16%) Increasing Total for FAD1 by 162.69, giving 30583.227946551
    TOLUENE (@0.07%) Increasing Total for FAD3 by 0.00655885392, giving 2.58494623394
    2-HYDROXYETHYL METHACRYLATE (@0.0655152%) Increasing Total for FAD5 by 0.01310304, giving 0.01310304
    2-HYDROXYETHYL METHACRYLATE (@0.07%) Increasing Total for FAD3 by 0.0655152, giving 2.65046143394
    1-METHOXY-2-PROPYL ACETATE (@0.05%) Increasing Total for FAD1 by 47.875, giving 30631.102946551
    Siloxanes and Silicones, di-Me, [(triethoxysilyl)oxy]-terminated (@0.03%) Increasing Total for FAD1 by 28.71, giving 30659.812946551
    ALKOXYLATED BUTYL ETHER (@0.03%) Increasing Total for FAD3 by 0.0142597488, giving 2.66472118274
    1-BUTANOL (@0.01%) Increasing Total for FAD1 by 14.925, giving 30674.737946551
    proprietary siloxane (@0.01%) Increasing Total for FAD1 by 13.2672, giving 30688.005146551
    ISOBUTYL ALCOHOL (@0.01%) Increasing Total for FAD1 by 9.504, giving 30697.509146551
    proprietary polyglycol (@0.01%) Increasing Total for FAD1 by 8.0544, giving 30705.563546551
    ALUMINUM SILICATE (@0.01%) Increasing Total for FAD1 by 0.0615, giving 30705.625046551
    BENZENE (@0.00%) Increasing Total for FAD6 by 0.024648246, giving 0.024648246
    DIBUTYL TIN DILAURATE (@0.00%) Increasing Total for FAD6 by 0.0023668, giving 0.027015046
    DIBUTYL TIN DILAURATE (@0.00%) Increasing Total for FAD3 by 0.0094672, giving 2.67418838274
    ACETIC ACID (@0.00%) Increasing Total for FAD4 by 0.0000199, giving 0.0000199
    ACETIC ACID (@0.00%) Increasing Total for FAD3 by 0.00004975, giving 2.67423813274
    2-METHOXY-1-PROPYL ACETATE (@0.00%) Increasing Total for FAD6 by 0.00189585, giving 0.028910896
    organotin compound (@0.00%) Increasing Total for FAD1 by 0.37917, giving 30706.004216551
    OCTAMETHYLCYCLOTETRASILOXANE (@0.00%) Increasing Total for FAD3 by 0.0001728, giving 2.67441093274
    Decamethylcyclopentasiloxane (@0.00%) Increasing Total for FAD1 by 0.001728, giving 30706.005944551
    CUMENE (@0.00%) Increasing Total for FAD3 by 0.000081304, giving 2.67449223674
    COCONUT FATTY ACIDS (@0.00%) Increasing Total for FAD3 by 0.0000366, giving 2.67452883674
    PROPYLENE OXIDE (@0.00%) Increasing Total for FAD6 by 0.000007152, giving 0.028918048
    ACETALDEHYDE (@0.00%) Increasing Total for FAD3 by 0.000001824, giving 2.67453066074
    HYDROCHLORIC ACID (@0.00%) Increasing Total for FAD4 by 0.00000003648, giving 0.00001993648
    HYDROCHLORIC ACID (@0.00%) Increasing Total for FAD3 by 0.000000456, giving 2.67453111674
    FORMALDEHYDE (@0.00%) Increasing Total for FAD6 by 0.0000001344, giving 0.0289181824
    FORMALDEHYDE (@0.00%) Increasing Total for FAD3 by 0.000001344, giving 2.67453246074
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ETHYLENE OXIDE (@0.00%) Increasing Total for FAD6 by 0.000000672, giving 0.0289188544 1,4-DIOXANE (@0.00%) Increasing Total for FAD6 by 0.00000000768, giving 0.02891886208 1,4-DIOXANE (@0.00%) Increasing Total for FAD3 by 0.000000768, giving 0.02891886288 METHYL ALCOHOL (@0.00%) Increasing Total for FAD6 by 0.00000000384, giving 0.028918865928 METHYL ALCOHOL (@0.00%) Increasing Total for FAD3 by 0.0000000768, giving 0.028918865928 METHYL CHLORIDE (@0.00%) Increasing Total for FAD1 by 0.0000768, giving 0.008918865928 Figure-after-the-dash = 0.008918865928 Total of components with FAD=0.008918865928 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 * (Sun of components Concentration * MALFARDON*) = 0.00 Density * (Sun of Components Concentration * (Sun of Comp

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
 : ₹825.37

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.