

# Audit - EU DK MAL Code

## SIGMAGLIDE 1290 BASE RAL 3011

### Denmark MAL Code

#### Audit - MAL Code

EU Denmark MAL Code:- 1-6

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

Product is a Liquid

SIGMAGLIDE 1290 BASE RAL 3011 - Components considered for the MAL Code calculation. {Denmark MAL Code}

DIMETHYLSILOXANE (60.37074%)

CAS: 70131-67-8

Density: 0.97

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 = 603.707

SILICA CRISTOBALLITE (<10 microns) (11.23743%)

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: 6; Lower Limit: 10

FAD 3 Quotient = 11.237

FAD 6 Quotient = 1.124

SILICA CRISTOBALLITE (>10 microns) (11.19257%)

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: 0.1

FAD 1 Quotient = 111.926

polymethylphenyl siloxane (7.386148%)

CAS: 63148-52-7

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 = 73.861

ISOBUTYL ALCOHOL (3.76%)

Organic Solvent.

CAS: 78-83-1

Density: 0.802

Relative Density: 0.8

Molecular Weight: 74.14

Boiling Point: 108

Vapour Pressure: 10.8

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 = 3760

POLYDIMETHYLSILOXANE (2.10535%)

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: 0.1

FAD 1 Quotient = 21.054

Diiron trioxide (1.06%)

CAS: 1309-37-1

Density: 5.25

Relative Density: 5.18

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: 0.1

FAD 1 Quotient = 10.6

dodecamethylcyclohexasiloxane (0.680792%)

CAS: 540-97-6

Density: 0.98

Molecular Weight: 445.02

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

No MAL Factor calculated.

FAD: 1. (Default)

FAD 1 Quotient = 680.792

BARIUM SULFATE (0.6394%)

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 = 639.4

Reaction products of 12-hydroxyoctadecanoic acid and octadecanoic acid and 1,3-phenylenedimethanamine (0.574%)

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 = 574

OCTAMETHYLCYCLOTETRAILOXANE (0.24616%)

CAS: 556-67-2

Density: 0.95

Relative Density: 0.96

Molecular Weight: 296.68

Boiling Point: 175

Vapour Pressure: 0.99

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 = 0.246

Decamethylcyclopentasiloxane (0.24616%)

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: 0.1

FAD 1 Quotient = 2.462

POLYAMIDE WAX (0.246%)

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 = 2.46

DIKETO-PYRROLOPYRROL (0.21%)

CAS: 84632-65-5

Density: 1.6

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

SILANE,DICHLORODIMETHYL-,REACTION PRODUCTS WITH SILICA (0.02625%)

CAS: 68611-44-9

Density: 2

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 = 0.262  
CARBON BLACK (0.019%)

Carcinogen.

CAS: 1333-86-4

Density: 1.8

Relative Density: 1.95

Molecular Weight: 12.01

Boiling Point: 4200

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 = 0.001

FAD 3 Quotient = 0.002

Density = 1.135. Entered value.

Figure-before-the dash = 1

DIMETHYLSILOXANE(@60.37%). MAL Factor = 0. Total increased by 60.37\*0=0. Running Total = 0

SILICA CRISTOBALLITE (<10 microns)(@11.24%). MAL Factor = 0. Total increased by 11.24\*0=0. Running Total = 0

SILICA CRISTOBALLITE (>10 microns)(@11.19%). MAL Factor = 0. Total increased by 11.19\*0=0. Running Total = 0

polymethylphenyl siloxane(@7.39%). MAL Factor = 0. Total increased by 7.39\*0=0. Running Total = 0

ISOBUTYL ALCOHOL(@3.76%). MAL Factor = 67. Total increased by 3.76\*67=251.92. Running Total = 251.92

POLYDIMETHYLSILOXANE(@2.11%). MAL Factor = 0. Total increased by 2.11\*0=0. Running Total = 251.92

Diiron trioxide (@1.06%). MAL Factor = 0. Total increased by 1.06\*0=0. Running Total = 251.92

BARIUM SULFATE(@0.64%). MAL Factor = 0. Total increased by 0.64\*0=0. Running Total = 251.92

Reaction products of 12-hydroxyoctadecanoic acid and octadecanoic acid and 1,3-phenylenedimethanamine(@0.57%). MAL Factor = 0. Total increased by 0.57\*0=0.00.

Running Total = 251.92

OCTAMETHYLCYCLOTETRASILOXANE(@0.25%). MAL Factor = 1. Total increased by 0.25\*1=0.25. Running Total = 252.17

Decamethylcyclopentasiloxane(@0.25%). MAL Factor = 0. Total increased by 0.25\*0=0. Running Total = 252.17

POLYAMIDE WAX(@0.25%). MAL Factor = 0. Total increased by 0.25\*0=0. Running Total = 252.17

DIKETO-PYRROLOPYRROL(@0.21%). MAL Factor = 0. Total increased by 0.21\*0=0. Running Total = 252.17

SILANE,DICHLORODIMETHYL-,REACTION PRODUCTS WITH SILICA(@0.03%). MAL Factor = 0. Total increased by 0.03\*0=0. Running Total = 252.17

CARBON BLACK(@0.02%). MAL Factor = 0. Total increased by 0.02\*0=0. Running Total = 252.17

Figure-before-the-dash calculated as 1. Via MAL Factor Total \* Density (252.17 \* 1.135) giving a MAL Number of 286

MAL Number = Density (1.135) \* Sum (252.17) = 286

Figure-after-the-dash = 6. Calculated from component data.

DIMETHYLSILOXANE (@60.37%) Increasing Total for FAD1 by 603.7074, giving 603.7074

SILICA CRISTOBALLITE (<10 microns) (@11.24%) Increasing Total for FAD6 by 1.123743, giving 1.123743

SILICA CRISTOBALLITE (<10 microns) (@11.24%) Increasing Total for FAD3 by 11.23743, giving 11.23743

Figure-after-the-dash =6. Current total of components with FAD=6 is >=1.

Low Boiling Liquid = Empty. Insufficient information available.

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 : 1-6

MAL Number : 286.209

**MAL Number (RFU)**  
**Protection based on MAL**

- : Not applicable.
- : **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: 1-6

**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. 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.

- 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.

- 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-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 half mask, protective clothing and eye protection 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.