

Audit - EU DK MAL Code

SIGMADUR 540 HARDENER

Denmark MAL Code

Audit - MAL Code

EU Denmark MAL Code:- 2-3

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

Product is a Liquid

SIGMADUR 540 HARDENER - Components considered for the MAL Code calculation. {Denmark MAL Code}

acrylic resin (70%)

CAS: SUB110729

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 = 70000

N-BUTYL ACETATE (29.9%)

Organic Solvent.

CAS: 123-86-4

Density: 0.881

Relative Density: 0.88

Molecular Weight: 116.18

Boiling Point: 126

Vapour Pressure: 11.25

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 = 29900

2-ETHYLHEXYL ACRYLATE (0.1%)

CAS: 103-11-7

Density: 0.885

Relative Density: 0.89

Molecular Weight: 184.31

Boiling Point: 215

Vapour Pressure: 0.18

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

MAL Factor entered: 79. Limit: 0

FAD entered: 3; Lower Limit: 0.1

FAD 5 Quotient = 0.1

FAD 3 Quotient = 1

Density = 1.04. Entered value.

Figure-before-the dash = 2

N-BUTYL ACETATE(@29.9%). MAL Factor = 14. Total increased by $29.9 \times 14 = 418.6$. Running Total = 418.6

2-ETHYLHEXYL ACRYLATE(@0.1%). MAL Factor = 79. Total increased by $0.1 \times 79 = 7.9$. Running Total = 426.5

Figure-before-the-dash calculated as 2. Via MAL Factor Total * Density (426.5 * 1.04) giving a MAL Number of 444

MAL Number = Density (1.04) * Sum (426.5) = 444

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

acrylic resin (@70%) Increasing Total for FAD1 by 70000, giving 70000

N-BUTYL ACETATE (@29.9%) Increasing Total for FAD1 by 29900, giving 99900

2-ETHYLHEXYL ACRYLATE (@0.1%) Increasing Total for FAD5 by 0.1, giving 0.1

2-ETHYLHEXYL ACRYLATE (@0.1%) Increasing Total for FAD3 by 1, giving 1

Figure-after-the-dash =3. Total of components with FAD=3 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 : 2-3

MAL Number : 443.56

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: 2-3

Application: 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.

- Gas filter mask and coveralls must be worn.

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 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 half mask, coveralls and eye protection must be worn.

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

- Air-supplied half mask, apron, arm protectors and eye protection 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 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, 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.