

Audit - EU DK MAL Code

AMERCOAT 68HS GREEN RESIN

| MAL Code | Product as is | Ready-for-use mixture |
|----------------|---|------------------------------------|
| MAL Protection | <p data-bbox="315 284 353 308">4-6</p> <p data-bbox="315 325 1814 384">According to the regulations on work involving coded products, the following stipulations apply to the use of personal protective equipment:</p> <p data-bbox="315 421 1814 539">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.</p> <p data-bbox="315 572 1778 632">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.</p> <p data-bbox="315 716 488 740">MAL-code: 4-6</p> <p data-bbox="315 746 1805 836">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.</p> <p data-bbox="315 869 719 893">- Protective clothing must be worn.</p> <p data-bbox="315 930 1812 1021">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.</p> <p data-bbox="315 1054 1216 1078">- Air-supplied half mask, protective clothing and eye protection must be worn.</p> <p data-bbox="315 1115 1146 1139">When spraying in new* booths if the operator is outside the spray zone.</p> <p data-bbox="315 1176 987 1200">- Air-supplied half mask and eye protection must be worn.</p> <p data-bbox="315 1236 1792 1355">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. 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.</p> <p data-bbox="315 1391 1025 1415">- Air-supplied full mask and protective clothing must be worn.</p> <p data-bbox="315 1452 1783 1505">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.</p> | Not applicable. Not applicable. |
| | | Not applicable. |

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

Not applicable.

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.

Not applicable.

Not applicable.

Low Boiling
Liquid
MAL Number
Audit (Textual)

2133.9

Not applicable.

4/6

Not applicable.

Figure-before-dash (from MAL Number) = 4
1600 < MAL Number [2133.9] ≤ 3200
MAL Number = density * Σ[Conc(i) * MAL Factor(i)] = 1.191 * 1791.7 = 2133.9
Density (from Density (g/m³) data entry) = 1.191
Σ[Conc(i) * MAL Factor(i)] = 1791.7
[4-METHYLPENTAN-2-ONE / METHYL ISOBUTYL KETONE] Conc * MAL Factor = 10.33% * 48 = 495.8
MAL Factor entered against range: '>0' = 48
[HEPTAN-2-ONE] Conc * MAL Factor = 10.29% * 43 = 442.6
MAL Factor entered against range: '>0' = 43
[Hydrocarbons, C9, aromatics] Conc * MAL Factor = 6.346% * 58 = 368.1
MAL Factor entered against range: '>0' = 58
[XYLENES] Conc * MAL Factor = 4.360% * 46 = 200.6
MAL Factor entered against range: '>0' = 46
[Tetraethyl Silicate] Conc * MAL Factor = 2.402% * 82 = 196.9
MAL Factor entered against range: '>0' = 82
[ETHYLBENZENE] Conc * MAL Factor = 0.7732% * 46 = 35.57
MAL Factor entered against range: '>0' = 46
[1-BUTANOL] Conc * MAL Factor = 0.3997% * 67 = 26.78
MAL Factor entered against range: '>0' = 67
[ETHYL ALCOHOL] Conc * MAL Factor = 0.06594% * 7 = 0.4616
MAL Factor entered against range: '>0' = 7
[METHYL AMYL ALCOHOL] Conc * MAL Factor = 0.04168% * 100 = 4.168
MAL Factor entered against range: '>0' = 100
[toluene] Conc * MAL Factor = 0.02062% * 74 = 1.526
MAL Factor entered against range: '>0' = 74
[METHYL ALCOHOL] Conc * MAL Factor = 0.01539% * 54 = 0.8313
MAL Factor entered against range: '>0' = 54
[FORMALDEHYDE] Conc * MAL Factor = 0.006818% * 2500 = 17.05
MAL Factor entered against range: '<0.1' = 2500
[BENZENE] Conc * MAL Factor = 0.0007740% * 880 = 0.6811
MAL Factor entered against range: '>0' = 880
[ACETIC ACID] Conc * MAL Factor = 0.0005210% * 400 = 0.2084
MAL Factor entered against range: '>0' = 400
[EPICHLOROHYDRIN] Conc * MAL Factor = 0.00009425% * 5300 = 0.4995
MAL Factor entered against range: '>0' = 5300
Ingredients with MAL factor of 0 [did not contribute] {Denmark MAL Code}
QUARTZ (<10 microns) (24.39%)
MAL Factor entered against range: '>0' = 0
Bisphenol A diglycidyl ether (16.85%)
MAL Factor entered against range: '>0' = 0
EPOXY RESIN (AVERAGE MOLECULAR WEIGHT >700 - <1100) (12.46%)
MAL Factor entered against range: '>0' = 0

IRON HYDROXIDE OXIDE (3.386%)
MAL Factor entered against range: '>0' = 0
cashew, nutshell liq., polymer with epichlorohydrin (3.225%)
MAL Factor entered against range: '>0' = 0
ORGANIC DERIVATIVE OF A MONTMORILLONITE CLAY (1.828%)
MAL Factor entered against range: '>0' = 0
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (1.540%)
Default assumption [non-volatile] = 0
UREA-FORMALDEHYDE RESIN, BUTYLATED (0.6425%)
MAL Factor entered against range: '>0' = 0
POLYAMIDE (0.512%)
MAL Factor entered against range: '>0' = 0
LECITHINS (0.065%)
MAL Factor entered against range: '>0' = 0
QUARTZ (>10 microns) (0.03768%)
MAL Factor entered against range: '>0' = 0
WATER (0.01042%)
MAL Factor entered against range: '>0' = 0
TIN (0.002372%)
From US (ACGIH) OELs: Product is assumed to be non-volatile, due to an OEL in mg/m³ being available, and no ppm OEL being available] = 0
Available value in mg/m³ = 2
4,4-ISOPROPYLIDENEDIPHENOL (0.0008256%)
MAL Factor entered against range: '>0' = 0
Figure-after-dash (Ingredient(s) above the cut-off on their own) = 6
Ingredients above the Figure-after-dash 6 concentration limit on their own {Denmark MAL Code}
QUARTZ (<10 microns) (24.39%)
Ingredient concentration is above the limit [10%]