

Date of print: 2007-10-31
 Date of last alteration: 2007-10-31 - Version: English
 Art. -No., product name: **03012 express coat**



7. Handling and storage

- 7.1 Handling:
 Precautions for safe handling: Avoid contact with eyes, skin and clothing.
 Precautions against fire and explosion: Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking. Cool endangered containers with water mist. Forms explosive mixtures with air, also in emptied, uncleaned containers.
- 7.2 Storage:
 Conditions for storage rooms and vessels: Store in a cool, dry and well-ventilated place, away from food-stuffs. Keep containers always tightly closed. Provide for sufficient ventilation.
 Advice for storage of incompatible materials: Keep away from combustible materials.
 Further information for storage: Keep at temperature not exceeding 25 °C / 77 °F. Keep away from humidity.

8 Exposure controls / personal protection

- 8.1 Further information for system design and engineering measures:
 Provide for sufficient ventilation/suction system.
- 8.2 Associate substance with specific control parameters such as limit values
 (Air limits according to TRGS 900):
- | CAS-no. | Substance | mg/m ³ |
|------------|-----------------|----------------------------------|
| 64742-49-0 | Petroleum ether | 1000 mg/m ³ = 200 ppm |
| 108-88-3 | Toluene | 190 mg/m ³ = 50 ppm |
- 8.3 Personal protection equipment:
 General protection and hygiene measures: Take off immediately all contaminated clothing. Do not breathe vapours.
 Respiratory protection (filter A): In case of strong or prolonged exposure wear suitable respiratory equipment.
 Hand protection: Use protective gloves. Suitable are gloves of the following material (*permeation time ≥ 8 hours*):
 Fluoro carbon rubber – FKM (0.4 mm).
Unsuitable are gloves of the following materials:
 Nitrile rubber/Nitrile latex – NBR; Polychloroprene – CR; Natural rubber/Natural latex – NR; Butyl rubber – Butyl; Polyvinyl chloride - PVC.
 Textile or leather gloves are completely unsuitable.
 Eye protection: Wear protective goggles / face protection.

9 Physical and chemical properties

- 9.1 Appearance:
 Form: liquid
 Colour: colourless
 Odour: typical
- 9.2 Safety parameters: Method (67 / 548 / EC)
- | | | |
|--------------------------------|---|-----------|
| Change in physical state: | | |
| Boiling point..... : = | 53 °C / 127 °F | DIN 51356 |
| Flash point : = | < -10 °C / 14 °F | DIN 51755 |
| Inflammability : | not available | |
| Ignition temperature : = | > 300 °C / 572 °F | DIN 51794 |
| Autoflammability..... : | not available | |
| Oxidising properties : | not available | |
| Explosive properties..... : | not available | |
| Explosion limits : = | lower: approx. 1 vol.-% • upper: approx. 8 vol.-% | |
| Vapour pressure : = | approx. 80 hPa at 20 °C/68 °F • < 110 kPa at 50 °C/122 °F | |
| Density : = | approx. 0.86 g/cm ³ at 20 °C/68 °F | DIN 51757 |
| Solubility in water : = | virtually insoluble | |

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DETAX

pH-value.....: n.a.
 Distribution coefficient octanol / water: not available
 Viscosity.....: = approx. 70 mPa.s at 23 °C/73 °F Brookfield

9.3 Further information:
 Thermal decomposition: not available

10 Stability and reactivity

10.1 Conditions to avoid: No special conditions.
 10.2 Materials to avoid: Reacts violently with strong oxidising agents.
 10.3 Hazardous decomposition products: The following applies for the silicone content of the product:
 At a temperature of approx. 150 °C/302 °F a small amount of formaldehyde can be released by oxidative degradation.

11 Toxicological information

11.0 General information: Toxicological symptoms depend on the way and period of exposure and may vary: Headache, nausea, vomiting, giddiness, unconsciousness, haemolysis, hepatic and renal lesions. In case of aspiration pulmonary oedema and pneumonia may occur.

11.1 Acute toxicity:
 Acute oral toxicity (LD₅₀):
 species rat 5 000 mg/kg
 origin: literature
 these data refer to the ingredient toluene.
 species rat > 5 700 mg/kg
 origin: literature
 these data refer to the ingredient petroleum ether.

12 Ecological information

12.1 Information on elimination (persistence and degradability): No data known.
 12.2 Behaviour in environmental compartments: No data known.
 12.3 Ecotoxicological effects:
 Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):
 Do not introduce large amounts into purification plants.
 12.4 Further ecological information: Do not lead into wastewater. Do not introduce into in-shore waters and earth.

13 Disposal considerations

13.1 Material: Recommendation: Dispose of according to regulations by incineration in a special waste incinerator. Observe the local byelaws.
 European Waste Catalogue Ref.No.: 07 02 99 (AVV).
 13.2 Contaminated packaging: Recommendation: Fully empty containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/national byelaws.

14 Transportation information

14.1 Land transportation ADR/RDI and GGVS/GGVE:
 GGVS/GGVE-class.....: 3 cl.-code F1
 ADR/RID-class.....: 3 cl.-code F1
 Transportation emergency card number: 3
 Warning board - Hazard No.: 33 Substance No.: 1866 PG: II
 Nomenclature.....: Resin solution
 (Vapour pressure at 50 °C/122 °F not more than 110 kPa)

