SAFETY DATA SHEET



8-440 HS420 Hardener Fast

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier

Product name : 8-440 HS420 Hardener Fast

Product code : 8-440

Product description : Not available.

Product type : Liquid.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Professional spray painting, near-industrial setting

Use in coatings - Hardener.

Uses advised against

Not applicable.

1.3 Details of the supplier of the safety data sheet

Valspar b.v.

Zuiveringweg 89

8243 PE Lelystad

The Netherlands

tel: +31 (0)320 292200

e-mail address of person : msd

: msds@valspar.com

responsible for this SDS

National contact

Sherwin-Williams UK Limited

Avenue One Station Lane, Witney, United Kingdom

Oxfordshire OX28 4XR

1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number : UK: 0-800-014-8126

CALL: +(44)-870-8200418 (Hours of operation - 24 hours)

<u>Supplier</u>

Telephone number : Call: +31 (0)320 292200 (8:30AM - 5PM)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to UK CLP/GHS

Flam. Liq. 3, H226

Acute Tox. 4, H332

Skin Sens. 1, H317

STOT SE 3, H335

STOT SE 3, H336

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

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SECTION 2: Hazards identification

Hazard pictograms





Signal word : Warning

Hazard statements: Flammable liquid and vapour.

May cause an allergic skin reaction.

Harmful if inhaled.

May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary statements

Prevention : Wear protective gloves. Keep away from heat, hot surfaces, sparks, open flames

and other ignition sources. No smoking. Avoid breathing vapour.

Response : IF INHALED: Call a POISON CENTER or doctor if you feel unwell. Take off

contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of

water. If skin irritation or rash occurs: Get medical advice or attention.

Storage : Store in a well-ventilated place. Keep container tightly closed.

Disposal : Dispose of contents and container in accordance with all local, regional, national and

international regulations.

Supplemental label

elements

: Contains isocyanates. May produce an allergic reaction.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and

substances articles

: Not applicable.

Special packaging requirements

Containers to be fitted

with child-resistant

fastenings

: Not applicable.

Tactile warning of danger : Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII : This mixture does not contain any substances that are assessed to be a PBT or a

vPvB.

Other hazards which do not result in classification

: None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

| Product/ingredient name | Identifiers | % | Classification | Type |
|---|---|-----------|---|---------|
| Hexamethylene diisocyanate, | EC: 500-060-2 | ≥50 - ≤75 | Acute Tox. 4, H332 | [1] [2] |
| oligomers | CAS: 28182-81-2 | | Skin Sens. 1, H317 STOT SE 3, H335 | |
| n-butyl acetate | REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1 | ≥25 - ≤50 | Flam. Liq. 3, H226 STOT SE 3, H336 EUH066 | [1] [2] |
| 3-lsocyanatomethyl- 3,5,5-trimethylcyclohexyl isocyanate, oligomers | REACH #: 01-2119488734-24 EC: 500-125-5 CAS: 53880-05-0 | ≤10 | Skin Sens. 1B, H317 STOT SE 3, H335 | [1] [2] |
| Solvent naphtha (petroleum), light | REACH #: | <2.5 | Flam. Liq. 3, H226 | [1] |

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SECTION 3: Composition/information on ingredients

| • | | U | | |
|----------------------------|--|------|--|---------|
| arom. dioctyltin dilaurate | 01-2119455851-35 EC: 265-199-0 CAS: 64742-95-6 REACH #: 01-2119979527-19 EC: 222-883-3 CAS: 3648-18-8 Index: 050-031-00-9 | <0.3 | STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066 Repr. 1B, H360D STOT RE 1, H372 (immune system) | [1] [2] |
| | | | See Section 16 for the full text of the H statements declared above. | |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

<u>Type</u>

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin contact

: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Protection of first-aiders

: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed <u>Over-exposure signs/symptoms</u>

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SECTION 4: First aid measures

Eye contact

: No specific data.

Inhalation

: Adverse symptoms may include the following:

respiratory tract irritation

coughing

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness

Skin contact

: Adverse symptoms may include the following:

irritation redness

Ingestion

: No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician

: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments

: No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing

media

Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing

media

: Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

: Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.

Hazardous combustion products

: Decomposition products may include the following materials: carbon dioxide

carbon monoxide nitrogen oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

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SECTION 6: Accidental release measures

6.2 Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

6.4 Reference to other sections

See Section 1 for emergency contact information.
 See Section 8 for information on appropriate personal protective equipment.
 See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Seveso Directive - Reporting thresholds

Danger criteria

| | Notification and MAPP threshold | Safety report threshold |
|-----|---------------------------------|-------------------------|
| P5c | 5000 tonne | 50000 tonne |

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SECTION 7: Handling and storage

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific : Not available.

solutions

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

| Product/ingredient name | Exposure limit values |
|--|---|
| Hexamethylene diisocyanate, oligomers | EH40/2005 WELs (United Kingdom (UK), 1/2020). [isocyanates, all, except methyl isocyanate as –NCO] Inhalation sensitiser. |
| | STEL: 0.07 mg/m³, (as -NCO) 15 minutes. |
| | TWA: 0.02 mg/m³, (as -NCO) 8 hours. |
| n-butyl acetate | EH40/2005 WELs (United Kingdom (UK), 1/2020). |
| | STEL: 966 mg/m³ 15 minutes. |
| | STEL: 200 ppm 15 minutes. |
| | TWA: 724 mg/m³ 8 hours. |
| | TWA: 150 ppm 8 hours. |
| 3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl | EH40/2005 WELs (United Kingdom (UK), 1/2020). [isocyanates, |
| isocyanate, oligomers | all, except methyl isocyanate as -NCO] Inhalation sensitiser. |
| | STEL: 0.07 mg/m³, (as -NCO) 15 minutes. |
| | TWA: 0.02 mg/m ³ , (as -NCO) 8 hours. |
| dioctyltin dilaurate | EH40/2005 WELs (United Kingdom (UK), 1/2020). [tin |
| | compounds, organic, except cyhexatin (ISO) as Sn] Absorbed |
| | through skin. |
| | STEL: 0.2 mg/m³, (as Sn) 15 minutes. |
| | TWA: 0.1 mg/m³, (as Sn) 8 hours. |

Recommended monitoring procedures

: Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

| Product/ingredient name | Type | Exposure | Value | Population | Effects |
|--|------|--------------------------|-----------------------|--------------------------------------|----------|
| Hexamethylene diisocyanate, oligomers | DNEL | Long term Inhalation | 0.5 mg/m³ | Workers | Local |
| ongomera | DNEL | Short term Inhalation | 1 mg/m³ | Workers | Local |
| | DNEL | Long term | 0.5 mg/m ³ | Workers | Local |
| | DNEL | Short term Inhalation | 1 mg/m³ | Workers | Local |
| n-butyl acetate | DNEL | Long term Inhalation | 35.7 mg/m³ | General population [Consumers] | Local |
| | DNEL | Short term Inhalation | 300 mg/m ³ | General population [Consumers] | Local |
| | DNEL | Short term Dermal | 6 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Oral | 2 mg/kg bw/day | General population [Consumers] | Systemic |
| | DNEL | Short term Oral | 2 mg/kg bw/day | General population [Consumers] | Systemic |
| | DNEL | Long term Inhalation | 300 mg/m ³ | Workers | Systemic |
| | DNEL | Short term Inhalation | 600 mg/m ³ | Workers | Systemic |
| | DNEL | Long term | 300 mg/m ³ | Workers | Local |

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SECTION 8: Exposure controls/personal protection

| | 1 | li i i e | | | |
|---|------|--------------------------|------------------------|-----------------------|------------|
| | DNEL | Inhalation Short term | 600 mg/m³ | Workers | Local |
| | | Inhalation | g, | | |
| | DNEL | Long term Dermal | 11 mg/kg bw/day | Workers | Systemic |
| | DNEL | Short term Dermal | 11 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Oral | 2 mg/kg bw/day | General population | Systemic |
| | DNEL | Short term Oral | 2 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 3.4 mg/kg bw/day | General population | Systemic |
| | DNEL | Short term Dermal | 6 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 7 mg/kg bw/day | Workers | Systemic |
| | DNEL | Short term Dermal | 11 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 12 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 35.7 mg/m³ | General population | Local |
| | DNEL | Long term Inhalation | 48 mg/m³ | Workers | Systemic |
| | DNEL | Short term Inhalation | 300 mg/m ³ | General population | Local |
| | DNEL | Short term Inhalation | 300 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 300 mg/m ³ | Workers | Local |
| | DNEL | Short term Inhalation | 600 mg/m ³ | Workers | Local |
| | DNEL | Short term Inhalation | 600 mg/m ³ | Workers | Systemic |
| 3-Isocyanatomethyl- 3,5,5-trimethylcyclohexyl isocyanate, oligomers | DNEL | Long term Inhalation | 0.3 mg/m³ | Workers | Local |
| 3 | DNEL | Short term Inhalation | 0.6 mg/m³ | Workers | Local |
| | DNEL | Long term Inhalation | 0.29 mg/m ³ | Workers | Local |
| | DNEL | Short term Inhalation | 0.58 mg/m³ | Workers | Local |
| Solvent naphtha (petroleum), light arom. | DNEL | Long term Dermal | 11 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 32 mg/m³ | General population | Systemic |
| | DNEL | Long term Oral | 11 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 25 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 150 mg/m³ | Workers | Systemic |
| | DNEL | Long term Inhalation | 0.41 mg/m³ | population | Systemic |
| | DNEL | Long term Inhalation | 1.9 mg/m³ | Workers | Systemic |
| | DNEL | Long term Inhalation | 178.57 mg/ m³ | General population | Local |
| | DNEL | Short term Inhalation | 640 mg/m³ | General population | Local |
| | DNEL | Long term Inhalation | 837.5 mg/ m³ | Workers | Local |
| 1 | | I | | | ļ <u> </u> |

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SECTION 8: Exposure controls/personal protection

| DNEL | Short term | | Workers | Local |
|------|----------------|--|--|--|
| | innalation | | | |
| DNEL | Short term | 1152 mg/ | General | Systemic |
| | Inhalation | m³ | population | |
| DNEL | Short term | 1286.4 mg/ | Workers | Systemic |
| | Inhalation | m³ | | |
| DNEL | Long term Oral | 0.0005 mg/ | General | Systemic |
| | | kg bw/day | population | |
| DNEL | Long term | 0.0009 mg/ | General | Systemic |
| | Inhalation | m³ | population | |
| DNEL | Long term | 0.0035 mg/ | Workers | Systemic |
| | Inhalation | m³ | | |
| | DNEL DNEL DNEL | Inhalation DNEL Short term Inhalation DNEL Short term Inhalation DNEL Long term Oral DNEL Long term Inhalation DNEL Long term Inhalation DNEL Long term | Inhalation mg/m³ Short term 1152 mg/ Inhalation m³ DNEL Short term 1286.4 mg/ Inhalation m³ DNEL Long term Oral 0.0005 mg/ kg bw/day DNEL Long term 0.0009 mg/ Inhalation m³ DNEL Long term 0.00035 mg/ Inhalation 0.0035 mg/ | Inhalation DNEL Short term Inhalation DNEL Short term Inhalation DNEL Short term Inhalation DNEL Long term DNEL Long term Inhalation DNEL Long term Inhalation DNEL Long term Inhalation DNEL Long term Inhalation DNEL Long term Inhalation DNEL Long term Inhalation DNEL Long term Inhalation DNEL Long term Inhalation DNEL Vorkers Mag/m³ 1152 mg/ Morkers General population General population Unders Workers |

PNECs

| Product/ingredient name | Compartment Detail | Value | Method Detail |
|---------------------------------------|-----------------------|------------------|---------------|
| Hexamethylene diisocyanate, oligomers | Fresh water | 0.127 mg/l | - |
| | Marine water | 0.0127 mg/l | - |
| | Fresh water sediment | 266700 mg/kg dwt | - |
| | Marine water sediment | 26670 mg/kg dwt | - |
| | Sewage Treatment | 38.28 mg/l | - |
| | Plant | | |
| | Soil | 53182 mg/kg dwt | - |
| n-butyl acetate | Fresh water | 0.18 mg/l | - |
| | Marine | 0.018 mg/l | - |
| | Sewage Treatment | 35.6 mg/l | - |
| | Plant | | |
| | Fresh water sediment | 0.981 mg/kg dwt | - |
| | Marine water sediment | 0.0981 mg/kg dwt | - |
| | Soil | 0.0903 mg/kg dwt | - |
| dioctyltin dilaurate | Fresh water | 0.002 μg/l | - |
| | Marine water | 0.0002 µg/l | - |
| | Sewage Treatment | 100 mg/l | - |
| | Plant | | |
| | Fresh water sediment | 0.028 mg/kg dwt | - |
| | Marine water sediment | 0.0028 mg/kg dwt | - |
| | Soil | 0.006 mg/kg dwt | - |
| | Secondary Poisoning | 0.02 mg/kg | - |

8.2 Exposure controls

Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. Recommended: If inhalation hazards exist, a full-face respirator may be required instead.

Skin protection

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SECTION 8: Exposure controls/personal protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. > 8 hours (breakthrough time): Recommended EN 374 butyl rubber polyvinyl alcohol (PVA) Viton® >= 0.7 mm

4 - 8 hours (breakthrough time): Recommended EN 374 neoprene >= 0.7 mm < 1 hour (breakthrough time): Conditionally suitable materials for protective gloves; EN 374: Nitrile rubber - NBR (>= 0.35 mm). Only suitable as splash protection. Only suitable for brief exposure. In the event of contamination, change protective gloves immediately.

Body protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Recommended: Cotton or cotton/synthetic overalls or coveralls are normally suitable.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: full-face mask supplied-air respirator

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

Physical state: Liquid.Colour: Colourless.Odour: Fruity.

Odour threshold : Not available.

Melting point/freezing point : Not applicable.

Initial boiling point and boiling : >100°C (>212°F)

range

Flammability (solid, gas) : Not available.

Upper/lower flammability or explosive limits : Lower: 1.4%

Upper: 7.6%

Flash point : Closed cup: 28°C (82.4°F)

Auto-ignition temperature : 415°C (779°F)

Decomposition temperature : Not applicable.

pH : Not applicable.

Viscosity : Kinematic (40°C): 4 mm²/s

Solubility(ies) :

| Media | Result |
|------------|-------------|
| cold water | Not soluble |
| hot water | Not soluble |

Solubility in water : Not applicable.

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|--------------------------------|--------------|------------------------|------------|-------------|------|
|--------------------------------|--------------|------------------------|------------|-------------|------|

SECTION 9: Physical and chemical properties

Miscible with water : No.

Partition coefficient: n-octanol/ : Not applicable.

water

Vapour pressure : 1.5 kPa (11.25 mm Hg) **Evaporation rate** : 1 (butyl acetate = 1)

Relative density : 1.068

Density : 1.068 g/cm³
Vapour density : 4 [Air = 1]
Explosive properties : Not available.
Oxidising properties : Not available.

Particle characteristics

Median particle size : Not applicable.

SECTION 10: Stability and reactivity

10.1 ReactivityNo specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : The product is stable.

10.3 Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld,

braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not

allow vapour to accumulate in low or confined areas.

10.5 Incompatible materials : Reactive or incompatible with the following materials:

oxidising materials

10.6 Hazardous

decomposition products

: Under normal conditions of storage and use, hazardous decomposition products

should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|---------------------------------|--------------------------|--------------|----------|
| Hexamethylene diisocyanate, oligomers | LC50 Inhalation Dusts and mists | Rat | 18500 mg/m³ | 1 hours |
| | LC50 Inhalation Dusts and mists | Rat | 2.18 mg/l | 4 hours |
| | LD50 Dermal | Rabbit - Male, Female | >2000 mg/kg | - |
| | LD50 Dermal | Rat - Male, Female | >2000 mg/kg | - |
| | LD50 Oral | Rat | >5000 mg/kg | - |
| n-butyl acetate | LC50 Inhalation Gas. | Rat | 390 ppm | 4 hours |
| | LC50 Inhalation Vapour | Rat | >21.1 mg/l | 4 hours |
| | LD50 Dermal | Rabbit | >14112 mg/kg | - |
| | LD50 Oral | Rat | 10760 mg/kg | - |
| 3-Isocyanatomethyl- 3,5,5-trimethylcyclohexyl isocyanate, oligomers | LC50 Inhalation Dusts and mists | Rat | >5 mg/l | 4 hours |
| | LD50 Oral | Rat | >14000 mg/kg | - |
| Solvent naphtha (petroleum), light arom. | LC50 Inhalation Vapour | Rat | 6193 mg/m³ | 4 hours |
| 7. 0 | LD50 Dermal | Rabbit | >3160 mg/kg | - |
| | LD50 Oral | Rat | 3592 mg/kg | - |

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SECTION 11: Toxicological information

dioctyltin dilaurate LD50 Oral Rat 6450 mg/kg -

Conclusion/Summary : Not available.

Acute toxicity estimates

| Product/ingredient name | Oral (mg/ kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|--|------------------|-------------------|--------------------------------|-----------------------------------|--|
| 8-440 HS420 Hardener Fast | N/A | N/A | N/A | 16.9 | N/A |
| Hexamethylene diisocyanate, oligomers | N/A | N/A | N/A | 11 | N/A |
| n-butyl acetate | 10760 | N/A | N/A | N/A | N/A |
| Solvent naphtha (petroleum), light arom. | 3592 | N/A | N/A | N/A | N/A |
| dioctyltin dilaurate | 6450 | N/A | N/A | N/A | N/A |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---------------------------------------|--------------------------|---------|-------|--------------|-------------|
| Hexamethylene diisocyanate, oligomers | Eyes - Mild irritant | Rabbit | - | - | - |
| | Eyes - Moderate irritant | Rabbit | - | 100 mg | - |
| | Skin - Mild irritant | Rabbit | - | 4 hours | - |
| | Skin - Moderate irritant | Rabbit | - | 500 mg | - |
| n-butyl acetate | Eyes - Moderate irritant | Rabbit | - | 100 mg | - |
| | Skin - Moderate irritant | Rabbit | - | 24 hours 500 | - |
| | | | | mg | |
| Solvent naphtha (petroleum), | Eyes - Mild irritant | Rabbit | - | 24 hours 100 | - |
| light arom. | | | | uL | |

Conclusion/Summary

: Not available.

Sensitisation

| Product/ingredient name | Route of exposure | Species | Result |
|---------------------------------------|-------------------|------------|-------------|
| Hexamethylene diisocyanate, oligomers | skin | Guinea pig | Sensitising |
| ongen | skin | Mouse | Sensitising |

Conclusion/Summary: Not available.

Mutagenicity

| Product/ingredient name | Test | Experiment | Result |
|---------------------------------------|---|--|----------|
| Hexamethylene diisocyanate, oligomers | OECD 471 Bacterial Reverse Mutation Test | Experiment: In vitro Subject: Bacteria | Negative |
| | OECD 476 In vitro Mammalian Cell Gene Mutation Test | Metabolic activation: +/- Experiment: In vitro Subject: Mammalian-Animal Metabolic activation: +/- | Negative |

Conclusion/Summary

: Not available.

Carcinogenicity

Conclusion/Summary: Not available.

Reproductive toxicity

Conclusion/Summary: Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

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| Product/ingredient name | Category | Route of exposure | Target organs |
|--|------------|-------------------|---|
| Hexamethylene diisocyanate, oligomers | Category 3 | - | Respiratory tract \(\sqrt{irritation}\) |
| n-butyl acetate | Category 3 | - | Narcotic effects |
| 3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers | Category 3 | _ | Respiratory tract irritation |
| Solvent naphtha (petroleum), light arom. | Category 3 | - | Respiratory tract irritation |
| | Category 3 | | Narcotic effects |

Specific target organ toxicity (repeated exposure)

| Product/ingredient name | Category | Route of exposure | Target organs |
|-------------------------|------------|-------------------|---------------|
| dioctyltin dilaurate | Category 1 | - | immune system |

Aspiration hazard

| Product/ingredient name | Result |
|--|--------------------------------|
| Solvent naphtha (petroleum), light arom. | ASPIRATION HAZARD - Category 1 |

Information on likely routes

of exposure

: Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : Harmful if inhaled. Can cause central nervous system (CNS) depression. May

cause drowsiness or dizziness. May cause respiratory irritation.

Skin contact: May cause an allergic skin reaction.

Ingestion : Can cause central nervous system (CNS) depression.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:

respiratory tract irritation

coughing

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness

Skin contact: Adverse symptoms may include the following:

irritation redness

Ingestion: No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate : No

effects

: Not available.

Potential delayed effects

: Not available.

Long term exposure

Potential immediate

: Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

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SECTION 11: Toxicological information

| Product/ingredient name | Result | Species | Dose | Exposure |
|---------------------------------------|---|-----------------------|-----------|-------------------------------------|
| Hexamethylene diisocyanate, oligomers | Sub-chronic NOAEL Inhalation Dusts and mists | Rat - Male, Female | 3.3 mg/m³ | 90 days; 6 hou rs per day |

Conclusion/Summary: Not available.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to

very low levels.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Other information : Not available.

SECTION 12: Ecological information

12.1 Toxicity

| Product/ingredient name | Result | Species | Exposure |
|---|---------------------------------|--|----------|
| Hexamethylene diisocyanate, | Acute EC50 >1000 mg/l | Algae - Scenedesmus | 72 hours |
| oligomers | | subspicatus | |
| | Acute EC50 >100 mg/l | Daphnia - <i>Daphnia magna</i> | 48 hours |
| | Acute LC50 >100 mg/l | Fish - Danio rerio | 96 hours |
| n-butyl acetate | Acute EC50 397 mg/l | Algae - Selenastrum capricornutum | 72 hours |
| | Acute EC50 44 mg/l | Daphnia - <i>Daphnia magna</i> | 48 hours |
| | Acute LC50 32 mg/l Marine water | Crustaceans - Brine shrimp - Artemia salina | 48 hours |
| | Acute LC50 18 mg/l | Fish - Pimephales promelas | 96 hours |
| | Acute NOEC 200 mg/l | Algae | 72 hours |
| 3-lsocyanatomethyl- 3,5,5-trimethylcyclohexyl isocyanate, oligomers | Acute EC50 >100 mg/l | Daphnia | 48 hours |
| | Acute EC50 >100 mg/l | Fish | 96 hours |
| Solvent naphtha (petroleum), light arom. | Acute EC50 2.9 mg/l | Algae - Pseudokirchneriella subcapitata | 72 hours |
| | Acute EC50 3.2 mg/l | Daphnia - Daphnia magna | 48 hours |
| | Acute LC50 9.2 mg/l | Fish - Oncorhynchus mykiss | 96 hours |
| | Acute NOEC >1 mg/l | Algae - Pseudokirchneriella subcapitata | 72 hours |

Conclusion/Summary: Not available.

12.2 Persistence and degradability

| Product/ingredient name | Test | Result | Dose | Inoculum |
|---|--|-----------------------------|------|----------|
| Hexamethylene diisocyanate, oligomers | EU 67/548/EEC ANNEX V, C.4.E. | 1 % - Not readily - 28 days | - | - |
| n-butyl acetate | OECD 301D Ready Biodegradability - Closed Bottle Test | >80 % - 5 days | - | - |
| 3-Isocyanatomethyl- 3,5,5-trimethylcyclohexyl isocyanate, oligomers | OECD 302C Inherent Biodegradability: Modified MITI Test (II) | 5 % - 28 days | - | - |
| | OECD 301F Ready Biodegradability - Manometric Respirometry Test | 1 % - 28 days | - | - |

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SECTION 12: Ecological information

| Solvent naphtha (petroleum), | - | 78 % - Readily - 28 days | - | Fresh water |
|------------------------------|---|--------------------------|---|-------------|
| light arom. | | | | |

Conclusion/Summary: Not available.

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|--|----------------------------|------------|------------------------|
| Hexamethylene diisocyanate, oligomers | Fresh water 7.7 days, 23°C | - | Not readily |
| n-butyl acetate 3-lsocyanatomethyl- 3,5,5-trimethylcyclohexyl | - | - | Readily Not readily |
| isocyanate, oligomers Solvent naphtha (petroleum), light arom. | - | | Readily |

12.3 Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|---------------------------------------|--------|------------|-----------|
| Hexamethylene diisocyanate, oligomers | 5.54 | 367.7 | Low |
| n-butyl acetate | 2.3 | - | Low |
| 3-Isocyanatomethyl- | 14.48 | - | High |
| 3,5,5-trimethylcyclohexyl | | | _ |
| isocyanate, oligomers | | | |
| Solvent naphtha (petroleum), | - | 10 to 2500 | High |
| light arom. | | | |
| dioctyltin dilaurate | - | <100 | Low |

12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste

Yes.

Waste catalogue

| Waste code | Waste designation |
|------------|---|
| 08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances |

Packaging

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SECTION 13: Disposal considerations

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions

: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

| | ADR/RID | ADN | IMDG | IATA |
|----------------------------------|---------------------------|--|---------------------------|------------------------|
| 14.1 UN number | UN1263 | UN1263 | UN1263 | UN1263 |
| 14.2 UN proper shipping name | PAINT RELATED MATERIAL | PAINT RELATED MATERIALPAINT RELATED MATERIAL | PAINT RELATED MATERIAL | Paint related material |
| 14.3 Transport hazard class(es) | 3 | 3 | 3 | 3 |
| 14.4 Packing group | III | III | III | III |
| 14.5 Environmental hazards | No. | Yes. | No. | No. |

Additional information

ADR/RID : <u>Hazard identification number</u> 30

Limited quantity 5 L

Special provisions 163, 640E, 650, 367

Tunnel code (D/E)

ADN : The product is only regulated as an environmentally hazardous substance when

transported in tank vessels.

Special provisions 163, 367, 640E, 650

IMDG : Emergency schedules F-E, _S-E_

Special provisions 163, 223, 367, 955

IATA : Quantity limitation Passenger and Cargo Aircraft: 60 L. Packaging instructions: 355.

Cargo Aircraft Only: 220 L. Packaging instructions: 366. Limited Quantities -

Passenger Aircraft: 10 L. Packaging instructions: Y344.

Special provisions A3, A72, A192

14.6 Special precautions for user

: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in

the event of an accident or spillage.

14.7 Transport in bulk according to IMO instruments

: Not available.

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture UK (GB)/REACH

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

Not listed.

Persistent Organic Pollutants

Not listed.

Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and

articles

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

Category

P₅c

EU regulations

Industrial emissions : Not listed

(integrated pollution prevention and control) -

Air

Industrial emissions : Not listed

(integrated pollution prevention and control) -

Water

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

<u>Inventory list</u>

Australia : All components are listed or exempted.

Canada : All components are listed or exempted.

China : All components are listed or exempted.

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SECTION 15: Regulatory information

Eurasian Economic Union : Russian Federation inventory: All components are listed or exempted.

Japan : Japan inventory (CSCL): All components are listed or exempted.

Japan inventory (ISHL): Not determined.

New Zealand: All components are listed or exempted.Philippines: All components are listed or exempted.Republic of Korea: All components are listed or exempted.Taiwan: All components are listed or exempted.Thailand: All components are listed or exempted.

Turkey : Not determined.
United States : Not determined.

Viet Nam : All components are listed or exempted.

. All components are listed of exempted.

15.2 Chemical safety assessment: This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate

GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019

No. 720 and amendments

DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level

EUH statement = GB CLP-specific Hazard statement

N/A = Not available

PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

SGG = Segregation Group

vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

| Classification | Justification | |
|--------------------|-----------------------|--|
| Flam. Liq. 3, H226 | On basis of test data | |
| Acute Tox. 4, H332 | Calculation method | |
| Skin Sens. 1, H317 | Calculation method | |
| STOT SE 3, H335 | Calculation method | |
| STOT SE 3, H336 | Calculation method | |

Full text of abbreviated H statements

| H226 | Flammable liquid and vapour. | |
|--------|---|--|
| H304 | May be fatal if swallowed and enters airways. | |
| H317 | May cause an allergic skin reaction. | |
| H332 | Harmful if inhaled. | |
| H335 | May cause respiratory irritation. | |
| H336 | May cause drowsiness or dizziness. | |
| H360D | May damage the unborn child. | |
| H372 | Causes damage to organs through prolonged or repeated exposure. | |
| H411 | Toxic to aquatic life with long lasting effects. | |
| EUH066 | Repeated exposure may cause skin dryness or cracking. | |

Full text of classifications

| Acute Tox. 4 | ACUTE TOXICITY - Category 4 | • |
|-------------------|---|---|
| Aquatic Chronic 2 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 | |
| Asp. Tox. 1 | ASPIRATION HAZARD - Category 1 | |
| Flam. Liq. 3 | FLAMMABLE LIQUIDS - Category 3 | |
| Repr. 1B | REPRODUCTIVE TOXICITY - Category 1B | |
| Skin Sens. 1 | SKIN SENSITISATION - Category 1 | |
| Skin Sens. 1B | SKIN SENSITISATION - Category 1B | |

STOT RE 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1
STOT SE 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

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SECTION 16: Other information

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Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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SUMI Safe Use of Mixtures Information for end-users



Title : Professional spray painting, near-industrial setting

This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and labels.

General description of the process covered

Indoor spray painting by professionals with efficient ventilation such as spray booth or local exhaust ventilation

Operational conditions

Place of use : Indoor use

Risk management measures (RMM)

| Contributing activity | Process category | Maximum duration | Ventilation | |
|---|------------------------|--|---|---------------------------------------|
| | (ies) | | Туре | ach (air changes per hour) |
| Preparation of material for application | PROC05 | 1 to 4 hours | Enhanced (mechanical) room ventilation | 5 - 10 |
| Loading of application equipment and handling of coated parts before curing | PROC08a | 15 minutes to 1 hour | Enhanced (mechanical) room ventilation | 5 - 10 |
| Professional application of coatings and inks by spraying | PROC11 | 1 to 4 hours | Local exhaust ventilation | Refer to relevant technical standards |
| Film formation - force drying, stoving and other technologies | PROC04 | 1 to 4 hours | Local exhaust ventilation | Refer to relevant technical standards |
| Cleaning | PROC05 | 1 to 4 hours | Enhanced (mechanical) room ventilation | 5 - 10 |
| Waste management | PROC08a | 15 minutes to 1 hour | Enhanced (mechanical) room ventilation | 5 - 10 |
| Contributing activity | Process category (ies) | Respiratory | Eye | Hands |
| Preparation of material for application | PROC05 | None | Use eye protection according to EN 166. | Wear suitable gloves tested to EN374. |
| Loading of application equipment and handling of coated parts before curing | PROC08a | None | Use eye protection according to EN 166. | Wear suitable gloves tested to EN374. |
| Professional application of coatings and inks by spraying | PROC11 | Wear a respirator conforming to EN140 with an assigned protection factor of at least 10. | Use eye protection according to EN 166. | Wear suitable gloves tested to EN374. |
| Film formation - force drying, stoving and other technologies | PROC04 | Wear a respirator conforming to EN140 with an assigned protection factor of at least 10. | None | None |
| Cleaning | PROC05 | Wear a respirator conforming to EN140 with an assigned protection factor of at least 10. | Use eye protection according to EN 166. | Wear suitable gloves tested to EN374. |
| Waste management | PROC08a | Wear a respirator conforming to EN140 with an assigned protection factor of at least 10. | Use eye protection according to EN 166. | Wear suitable gloves tested to EN374. |

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See chapter 8 of this Safety Data Sheet for specifications.







Disclaimer

The information in this Safe Use of Mixture Information sheet is based on the data provided by the substance supplier for the substances in the product for which a chemical safety assessment has been carried out at the time of issue. It does not guarantee safe use of the product and does not replace any occupational risk assessment required by legislation. When developing workplace instructions for employees, SUMI sheets should always be considered in combination with the SDS and the label of the product.

No liability is accepted for any damage, no matter of what kind, which is direct or indirect consequence of acts and/or decisions (partly) based on the contents of this document.