T86VUC502

### **SAFETY DATA SHEET**

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

1.1 Product identifier

Product name : UV PRIMER FOR SPUTTERING

**Product code** : T86VUC502

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

**Material uses** : Paint or paint related material.

: Industrial use only.

1.3 Details of the supplier of the safety data

sheet

SHERWIN-WILLIAMS Italy S.r.I. Via del Fiffo, 12 -40065 Pianoro (BO)

Italia - C.P. 18

Cod. Fisc. e Reg. Impr. Bo 08866930152

e-mail address of person : regulatory.SWI@sherwin.com

responsible for this SDS

1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number : 111 (general public) /0344 892 111 (Medical professional (NHS) only)

**Supplier** 

**Telephone number** : +39 051 770511

Hours of operation : Emergency contact available 24 hours a day

### **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H336

Aquatic Chronic 2, H411

The product is classified as hazardous according to Regulation (EC) 1272/2008 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

Hazard pictograms











Signal word : Danger

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### SECTION 2: Hazards identification

**Hazard statements**: Highly flammable liquid and vapour.

Causes skin irritation.

May cause an allergic skin reaction. Causes serious eye damage. May cause drowsiness or dizziness. Suspected of causing cancer.

Toxic to aquatic life with long lasting effects.

**Precautionary statements** 

**Prevention**: Wear protective gloves, protective clothing, eye protection, face protection, or

hearing protection. Keep away from heat, hot surfaces, sparks, open flames and

other ignition sources. No smoking. Avoid release to the environment.

**Response** : Collect spillage. IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Immediately

call a POISON CENTER or doctor.

Storage: Not applicable.Disposal: Not applicable.

Hazardous ingredients : 1-methoxy-2-propanol

2-methoxy-1-methylethyl acetate

butanone

4-methylpentan-2-one hexamethylene diacrylate

2,2-dimethyltrimethylene diacrylate

Supplemental label

elements

: FOR INDUSTRIAL USE ONLY

### **Special packaging requirements**

Not applicable.

### 2.3 Other hazards

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

vPvB.

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of

0.1% or higher.

Other hazards which do not result in classification

: None known.

### SECTION 3: Composition/information on ingredients

### 3.2 Mixture :

| Product/ingredient name                          | Identifiers   | %                      | Classification  | Specific Conc.<br>Limits, M-factors<br>and ATEs | Туре    |
|--|---|------------------------|---|---|---------|
| Polyester-Acrylate Oligomer<br>Acrylate Oligomer | -<br>EC: 500-111-9<br>CAS: 51728-26-8   | ≥25 - ≤50<br>≥10 - ≤25 | Eye Irrit. 2, H319<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Aquatic Chronic 2,<br>H411 | -   | [1]     |
| 1-Methoxy-2-propanol                             | EC: 203-539-1<br>CAS: 107-98-2<br>Index: 603-064-00-3                                 | ≥10 - ≤25              | Flam. Liq. 3, H226<br>STOT SE 3, H336   | -   | [1] [2] |
| 2-methoxy-1-methylethyl acetate                  | REACH #:<br>01-2119475791-29<br>EC: 203-603-9<br>CAS: 108-65-6<br>Index: 607-195-00-7 | ≤10                    | Flam. Liq. 3, H226<br>STOT SE 3, H336   | -   | [1] [2] |

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### **SECTION 3: Composition/information on ingredients**

|  |   | _    |   |   |         |
|--|---|------|---|---|---------|
| Methyl Ethyl Ketone                                      | REACH #:<br>01-2119457290-43<br>EC: 201-159-0<br>CAS: 78-93-3<br>Index: 606-002-00-3    | <10  | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>EUH066   | -   | [1] [2] |
| Methyl Isobutyl Ketone                                   | REACH #:<br>01-2119473980-30<br>EC: 203-550-1<br>CAS: 108-10-1<br>Index: 606-004-00-4   | <10  | Flam. Liq. 2, H225<br>Acute Tox. 4, H332<br>Eye Irrit. 2, H319<br>Carc. 2, H351<br>STOT SE 3, H336<br>EUH066  | ATE [Inhalation<br>(vapours)] = 11 mg/  | [1] [2] |
| 1,6-Hexanediol diacrylate                                | REACH #:<br>01-2119484737-22<br>EC: 235-921-9<br>CAS: 13048-33-4<br>Index: 607-109-00-8 | ≤5   | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411   | M [Acute] = 1   | [1]     |
| Phosphated Acid Modified Methacrylate                    | CAS: 1187441-10-6   | ≤5   | Eye Dam. 1, H318<br>Skin Sens. 1B, H317   | -   | [1]     |
| 2-Propenoic acid, reaction products with pentaerythritol | REACH #:<br>01-2119490003-49<br>CAS: 1245638-61-2                                       | ≤5   | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Chronic 2,<br>H411   | ATE [Oral] = 500<br>mg/kg   | [1]     |
| Diacrylate Oligomer                                      | EC: 218-741-5<br>CAS: 2223-82-7<br>Index: 607-112-00-4                                  | ≤3   | Acute Tox. 3, H311<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317   | ATE [Dermal] = 300 mg/kg  | [1]     |
| Tetramethyl Decynediol                                   | REACH #:<br>01-2119954390-39<br>EC: 204-809-1<br>CAS: 126-86-3                          | <1   | Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Chronic 3,<br>H412  | -   | [1]     |
| Acrylic Acid   | REACH #:<br>01-2119452449-31<br>EC: 201-177-9<br>CAS: 79-10-7<br>Index: 607-061-00-8    | ≤0.3 | Flam. Liq. 3, H226 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 See Section 16 for the full text of the H statements declared above. | ATE [Oral] = 500<br>mg/kg<br>ATE [Dermal] =<br>1100 mg/kg<br>ATE [Inhalation<br>(vapours)] = 11 mg/<br>I<br>M [Acute] = 1 | [1] [2] |

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.

[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.

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### **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

General : In all cases of doubt, or when symptoms persist, seek medical attention. Never give

anything by mouth to an unconscious person. If unconscious, place in recovery

position and seek medical advice.

*Eye contact* : Check for and remove any contact lenses. Immediately flush eyes with running

water for at least 15 minutes, keeping eyelids open. Seek immediate medical

attention.

**Inhalation**: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is

irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by

trained personnel.

**Skin contact**: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and

water or use recognised skin cleanser. Do NOT use solvents or thinners. In case of accidental skin contact, avoid concurrent exposure to the sun or other sources of

UV light which may increase the sensitivity of skin.

Ingestion : If swallowed, seek medical advice immediately and show the container or label.

Keep person warm and at rest. Do NOT induce vomiting.

**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

There are no data available on the mixture itself. Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]. See Sections 2 and 3 for details.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Acrylate components of the mixture have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc. May cause allergic skin reactions with repeated exposure.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.

Ingestion may cause nausea, weakness and central nervous system effects.

Contains hexamethylene diacrylate, 2-Propenoic acid, reaction products with pentaerythritol, 2,2-dimethyltrimethylene diacrylate, 2,4,7,9-tetramethyldec-5-yne-4,7-diol. May produce an allergic reaction.

The following products have sensitising properties: hexamethylene diacrylate, Phosphated Acid Modified Methacrylate, 2-Propenoic acid, reaction products with pentaerythritol, 2,2-dimethyltrimethylene diacrylate. Cases of hypersensitivity may occur, possibly with cross-sensitisation to other acrylate materials.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

**Specific treatments** : No specific treatment.

See toxicological information (Section 11)

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### SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing

media

: Recommended: alcohol-resistant foam, CO<sub>2</sub> blanket, powders, water spray or mist.

Unsuitable extinguishing

media

: Do not use water jet.

### 5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

Fire will produce dense black smoke. Exposure to decomposition products may

cause a health hazard.

Hazardous combustion

products

: Decomposition products may include the following materials: carbon monoxide,

carbon dioxide, smoke, oxides of nitrogen.

### 5.3 Advice for firefighters

Special protective actions

for fire-fighters

: Cool closed containers exposed to fire with water. Do not release runoff from fire to

drains or watercourses.

Special protective equipment for fire-fighters

: Fire-fighters should wear positive pressure self-contained breathing apparatus

(SCBA) and full turnout gear.

### **SECTION 6: Accidental release measures**

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist.

Refer to protective measures listed in sections 7 and 8.

Keep unnecessary and unprotected personnel from entering.

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 "Ear non amarganay paragnal"

information in "For non-emergency personnel".

6.2 Environmental precautions

: Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local

regulations.

6.3 Methods and material for containment and cleaning up

: Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents.

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).

## Persons with a history of skin sensitization problems should not be employed in any process in which this product is used.

7.1 Precautions for safe handling

: Use only in well-ventilated areas.

Keep away from heat, sparks and flame.

Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Avoid inhalation of dust from sanding.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Put on appropriate personal protective equipment (see Section 8).

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### **SECTION 7: Handling and storage**

Never use pressure to empty. Container is not a pressure vessel.

Always keep in containers made from the same material as the original one.

Comply with the health and safety at work laws. Do not allow to enter drains or watercourses.

# 7.2 Conditions for safe storage, including any incompatibilities

: Store in accordance with local regulations.

### Notes on joint storage

Keep away from: oxidising agents, strong alkalis, strong acids.

### Additional information on storage conditions

Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away

from heat and direct sunlight. Keep container tightly closed.

Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to

prevent leakage. Keep only in the original container.

Contaminated absorbent material may pose the same hazard as the spilt product.

### 7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific : Not available.

solutions

Good housekeeping standards, regular safe removal of waste materials and regular maintenance of spray booth filters will minimise the risks of spontaneous combustion and other fire hazards.

Before use of this material please refer to the Exposure Scenario(s) if attached for the specific end use, control measures and additional PPE considerations.

### **SECTION 8: Exposure controls/personal protection**

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).

### 8.1 Control parameters

### Occupational exposure limits

| Product/ingredient name         | Exposure limit values  |
|---------------------------------|--|
| 1-Methoxy-2-propanol            | EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.  STEL: 560 mg/m³ 15 minutes.  STEL: 150 ppm 15 minutes.  TWA: 375 mg/m³ 8 hours.  TWA: 100 ppm 8 hours. |
| 2-methoxy-1-methylethyl acetate | EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.  STEL: 548 mg/m³ 15 minutes.  TWA: 50 ppm 8 hours.  TWA: 274 mg/m³ 8 hours.  STEL: 100 ppm 15 minutes.  |
| Methyl Ethyl Ketone             | EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.  STEL: 899 mg/m³ 15 minutes.  STEL: 300 ppm 15 minutes.  TWA: 600 mg/m³ 8 hours.  TWA: 200 ppm 8 hours. |
| Methyl Isobutyl Ketone          | EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.  STEL: 416 mg/m³ 15 minutes.  STEL: 100 ppm 15 minutes.   |

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### **SECTION 8: Exposure controls/personal protection**

|              | TWA: 208 mg/m³ 8 hours.<br>TWA: 50 ppm 8 hours.   |
|--------------|---|
| Acrylic Acid | EH40/2005 WELs (United Kingdom (UK), 1/2020). STEL: 59 mg/m³ 1 minutes. STEL: 20 ppm 1 minutes. TWA: 29 mg/m³ 8 hours. TWA: 10 ppm 8 hours. |

### **Biological exposure indices**

| Product/ingredient name | Exposure indices  |  |  |
|-------------------------|---|--|--|
| butanone                | EH40/2005 BMGVs (United Kingdom (UK), 8/2018)   |  |  |
|                         | BGV: 70 µmol/l, butan-2-one [in urine]. Sampling time: post shift.  |  |  |
|                         | EH40/2005 BMGVs (United Kingdom (UK), 8/2018) BGV: 20 µmol/l, 4-methylpentan-2-one [in urine]. Sampling time: post shift. |  |  |

### Recommended monitoring procedures

- : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
- Regular monitoring of all work areas should be carried out at all times, including areas that may not be equally ventilated.

### **DNELs/DMELs**

| Product/ingredient name         | Туре | Exposure                 | Value                 | Population                           | Effects  |
|---------------------------------|------|--------------------------|-----------------------|--------------------------------------|----------|
| 1-Methoxy-2-propanol            | DNEL | Short term<br>Inhalation | 553.5 mg/<br>m³       | Workers                              | Local    |
|                                 | DNEL | Long term<br>Inhalation  | 369 mg/m <sup>3</sup> | Workers                              | Systemic |
|                                 | DNEL | Long term Dermal         | 183 mg/kg<br>bw/day   | Workers                              | Systemic |
|                                 | DNEL | Long term<br>Inhalation  | •                     | General<br>population<br>[Consumers] | Systemic |
|                                 | DNEL | Long term Dermal         | 78 mg/kg<br>bw/day    | General population [Consumers]       | Systemic |
|                                 | DNEL | Long term Oral           | 33 mg/kg<br>bw/day    | General population [Consumers]       | Systemic |
| 2-methoxy-1-methylethyl acetate | DNEL | Long term<br>Inhalation  | 33 mg/m³              | General population [Consumers]       | Local    |
|                                 | DNEL | Long term Oral           | 36 mg/kg<br>bw/day    | General population [Consumers]       | Systemic |
|                                 | DNEL | Long term Dermal         | 320 mg/kg             | General population [Consumers]       | Systemic |
|                                 | DNEL | Long term<br>Inhalation  | 33 mg/m³              | General<br>population<br>[Consumers] | Systemic |

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### SECTION 8: Exposure controls/personal protection

| - Exposure controls       | <u>.                                      </u> | iai protection           | T===                  | T                              | T        |
|---------------------------|--|--------------------------|-----------------------|--------------------------------|----------|
|                           | DNEL   | Long term<br>Inhalation  | 550 mg/m <sup>3</sup> | Workers                        | Local    |
|                           | DNEL   | Long term Dermal         | 796 mg/kg<br>bw/day   | Workers                        | Systemic |
|                           | DNEL   | Long term<br>Inhalation  | 275 mg/m³             | Workers                        | Systemic |
| Methyl Ethyl Ketone       | DNEL   | Long term Dermal         | 1161 mg/<br>kg bw/day | Workers                        | Systemic |
|                           | DNEL   | Long term<br>Inhalation  | 600 mg/m <sup>3</sup> | Workers                        | Systemic |
|                           | DNEL   | Long term Dermal         | 412 mg/kg<br>bw/day   | General population [Consumers] | Systemic |
|                           | DNEL   | Long term<br>Inhalation  | 106 mg/m³             | General population [Consumers] | Systemic |
|                           | DNEL   | Long term Oral           | 31 mg/kg<br>bw/day    | General population [Consumers] | Systemic |
| Methyl Isobutyl Ketone    | DNEL   | Short term<br>Inhalation | 208 mg/m <sup>3</sup> | Workers                        | Systemic |
|                           | DNEL   | Short term<br>Inhalation | 208 mg/m³             | Workers                        | Local    |
|                           | DNEL   | Long term Inhalation     | 83 mg/m³              | Workers                        | Systemic |
|                           | DNEL   | Long term<br>Inhalation  | 83 mg/m³              | Workers                        | Local    |
|                           | DNEL   | Long term Dermal         | 11.8 mg/<br>kg bw/day | Workers                        | Systemic |
|                           | DNEL   | Short term<br>Inhalation | 155.2 mg/<br>m³       | General population [Consumers] | Systemic |
|                           | DNEL   | Short term<br>Inhalation | 155.2 mg/<br>m³       | General population [Consumers] | Local    |
|                           | DNEL   | Long term<br>Inhalation  | 14.7 mg/m³            | General population [Consumers] | Systemic |
|                           | DNEL   | Long term<br>Inhalation  | 14.7 mg/m³            |                                | Local    |
|                           | DNEL   | Long term Dermal         | 4.2 mg/kg<br>bw/day   | General population [Consumers] | Systemic |
|                           | DNEL   | Long term Oral           | 4.2 mg/kg<br>bw/day   | General population [Consumers] | Systemic |
| 1,6-Hexanediol diacrylate | DNEL   | Long term<br>Inhalation  | 24.5 mg/m³            | Workers                        | Systemic |
|                           | DNEL   | Long term Dermal         | 2.77 mg/kg            | Workers                        | Systemic |

### **PNECs**

| Product/ingredient name         | Compartment Detail    | Value       | Method Detail |
|---------------------------------|-----------------------|-------------|---------------|
| 1-Methoxy-2-propanol            | Fresh water           | 10 mg/l     | -             |
| , , ,                           | Fresh water sediment  | 52.3 mg/kg  | -             |
|                                 | Marine water sediment | 5.2 mg/kg   | -             |
|                                 | Soil                  | 4.59 mg/kg  | -             |
|                                 | Sewage Treatment      | 100 mg/l    | -             |
|                                 | Plant                 |             |               |
| 2-methoxy-1-methylethyl acetate | Fresh water           | 0.635 mg/kg | -             |
|                                 | Marine water          | 0.0635 mg/l | -             |

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### **SECTION 8: Exposure controls/personal protection**

|                        | Fresh water sediment  | 3.29 mg/kg      | - |
|------------------------|-----------------------|-----------------|---|
|                        | Marine water sediment | 0.329 mg/kg     | - |
|                        | Soil                  | 0.29 mg/kg      | - |
|                        | Sewage Treatment      | 100 mg/l        | - |
|                        | Plant                 |                 |   |
| Methyl Ethyl Ketone    | Fresh water           | 55.8 mg/l       | - |
|                        | Marine water          | 55.8 mg/l       | - |
|                        | Sewage Treatment      | 709 mg/l        | - |
|                        | Plant                 |                 |   |
|                        | Sediment              | 284.7 mg/kg dwt | - |
|                        | Soil                  | 22.5 mg/kg      | - |
|                        | Secondary Poisoning   | 1000 mg/kg      | - |
| Methyl Isobutyl Ketone | Fresh water           | 0.6 mg/l        | - |
|                        | Marine water          | 0.06 mg/l       | - |
|                        | Sewage Treatment      | 27.5 mg/l       | - |
|                        | Plant                 |                 |   |
|                        | Fresh water sediment  | 8.27 mg/kg dwt  | - |
|                        | Marine water sediment | 0.83 mg/kg dwt  | - |
|                        | Soil                  | 1.3 mg/kg dwt   | - |
|                        |                       | - <del>-</del>  |   |

### 8.2 Exposure controls

## Appropriate engineering controls

- : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.
- : Users are advised to consider national Occupational Exposure Limits or other equivalent values.

### **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 Skin protection

: Use safety eyewear designed to protect against splash of liquids.

Hand protection
Gloves

- : Wear suitable gloves tested to EN374.
- : Gloves for short term exposure/splash protection (less than 10 min): Nitrile >0.12 mm Gloves for splash protection need to be changed immediately when in contact with chemicals.

Gloves for repeated or prolonged exposure (breakthrough time > 120 min): Nitrile >0.56 mm

Gloves for repeated or prolonged exposure (breakthrough time > 120 min): Nitrile >0.56 mm with textile undergloves

Due to many conditions (e.g. temperature, abrasion) the practical usage of a chemical protective glove in practice may be much shorter than the permeation time determined through testing.

The recommendation for the type or types of glove to use when handling this product is based on information from the following source: Radtech Europe.

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove

Always ensure that gloves are free from defects and that they are stored and used correctly.

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### **SECTION 8: Exposure controls/personal protection**

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin but should not be

applied once exposure has occurred.

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of

use, as included in the user's risk assessment.

**Body protection**: Personnel should wear protective clothing.

: 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. Refer to

European Standard EN 1149 for further information on material and design

requirements and test methods.

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**: Application methods:

Brush or roller. Approved/certified respirator with organic vapour cartridge. Filter type:

A2 P2 (EN14387).

Manual spraying. Use a properly fitted, air-purifying or air-fed respirator complying

with an approved standard if a risk assessment indicates this is necessary.

Environmental exposure

controls

: Do not allow to enter drains or watercourses.

Before use of this material please refer to the Exposure Scenario(s) if attached for the specific end use, control measures and additional PPE considerations. The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

### **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: Ester.

Odour threshold : Not available.

pH : Not relevant/applicable due to nature of the product.

insoluble in water.

Melting point/freezing point

: Not relevant/applicable due to nature of the product.

Initial boiling point and

boiling range

: 78°C

Flash point : Closed cup: -4°C [Pensky-Martens Closed Cup]

**Evaporation rate** : 5.6 (butyl acetate = 1) **Flammability** : Flammable liquid.

Lower and upper explosion

: LEL: 1.3% (2-methoxy-1-methylethyl acetate)

limit UEL: 13.74% (1-Methoxy-2-propanol)

Vapour pressure : 12.1 kPa (90.6 mm Hg)

**Relative vapour density** : 2.48 [Air = 1]

**Relative density** : 1.07

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### SECTION 9: Physical and chemical properties

Solubility(ies)

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

water

Partition coefficient: n-octanol/ : Not relevant/applicable due to nature of the product.

Auto-ignition temperature

| Ingredient name                       | °C  | °F    | Method |
|---------------------------------------|-----|-------|--------|
| 1-Methoxy-2-propanol                  | 286 | 546.8 |        |
| Phosphated Acid Modified Methacrylate | 340 | 644   |        |
| Methyl Isobutyl Ketone                | 447 | 836.6 |        |
| Methyl Ethyl Ketone                   | 475 | 887   |        |

Decomposition temperature

: Not relevant/applicable due to nature of the product.

Viscosity

: Kinematic (40°C): >20.5 mm<sup>2</sup>/s

Explosive properties Oxidising properties Particle characteristics : Under normal conditions of storage and use, hazardous reactions will not occur. : Under normal conditions of storage and use, hazardous reactions will not occur.

: Not relevant/applicable due to nature of the product.

Median particle size

Heat of combustion

9.2 Other information

### : 8.883 kJ/g SECTION 10: Stability and reactivity

10.1 Reactivity

: No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

: Hazardous reactions or instability may occur under certain conditions of storage or

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

10.4 Conditions to avoid

: This mixture contains materials which are unstable under the following conditions: exposure to heat, strong UV sources. These could cause the product to polymerise exothermically. Unintentional contact with them should be avoided.

10.5 Incompatible materials

: Keep away from: free radical initiators, peroxides, strong alkalis, reactive metals.

10.6 Hazardous decomposition products : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

### SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

There are no data available on the mixture itself. Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]. See Sections 2 and 3 for details.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact. Acrylate components of the mixture have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc. May cause allergic skin reactions with repeated exposure.

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## Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II UV PRIMER FOR SPUTTERING

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### **SECTION 11: Toxicological information**

If splashed in the eyes, the liquid may cause irritation and reversible damage.

The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.

Ingestion may cause nausea, weakness and central nervous system effects.

Contains hexamethylene diacrylate, 2-Propenoic acid, reaction products with pentaerythritol, 2,2-dimethyltrimethylene diacrylate, 2,4,7,9-tetramethyldec-5-yne-4,7-diol. May produce an allergic reaction.

The following products have sensitising properties: hexamethylene diacrylate, Phosphated Acid Modified Methacrylate, 2-Propenoic acid, reaction products with pentaerythritol, 2,2-dimethyltrimethylene diacrylate. Cases of hypersensitivity may occur, possibly with cross-sensitisation to other acrylate materials.

### **Acute toxicity**

| Product/ingredient name         | Result      | Species | Dose        | Exposure |
|---------------------------------|-------------|---------|-------------|----------|
| 1-Methoxy-2-propanol            | LD50 Dermal | Rabbit  | 13 g/kg     | -        |
|                                 | LD50 Oral   | Rat     | 6600 mg/kg  | -        |
| 2-methoxy-1-methylethyl acetate | LD50 Dermal | Rabbit  | >5 g/kg     | -        |
|                                 | LD50 Oral   | Rat     | 8532 mg/kg  | -        |
| Methyl Ethyl Ketone             | LD50 Dermal | Rabbit  | 6480 mg/kg  | -        |
|                                 | LD50 Oral   | Rat     | 2737 mg/kg  | -        |
| Methyl Isobutyl Ketone          | LD50 Oral   | Rat     | 2080 mg/kg  | -        |
| 1,6-Hexanediol diacrylate       | LD50 Oral   | Rat     | 5 g/kg      | -        |
| Acrylic Acid                    | LD50 Dermal | Rabbit  | 640 mg/kg   | -        |
|                                 | LD50 Oral   | Rat     | 33500 µg/kg | -        |

### **Acute toxicity estimates**

| Route                | ATE value      |
|----------------------|----------------|
| Oral                 | 12531.33 mg/kg |
| Dermal               | 23809.52 mg/kg |
| Inhalation (vapours) | 220 mg/l       |

### **Irritation/Corrosion**

| Product/ingredient name   | Result                   | Species | Score | Exposure     | Observation |
|---------------------------|--------------------------|---------|-------|--------------|-------------|
| 1-Methoxy-2-propanol      | Eyes - Mild irritant     | Rabbit  | -     | 24 hours 500 | -           |
|                           |                          |         |       | mg           |             |
|                           | Skin - Mild irritant     | Rabbit  | -     | 500 mg       | -           |
| Methyl Ethyl Ketone       | Skin - Mild irritant     | Rabbit  | -     | 24 hours 14  | -           |
|                           |                          |         |       | mg           |             |
|                           | Skin - Moderate irritant | Rabbit  | -     | 24 hours 500 | -           |
|                           |                          |         |       | mg           |             |
| Methyl Isobutyl Ketone    | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 100 | -           |
|                           |                          |         |       | uL           |             |
|                           | Eyes - Severe irritant   | Rabbit  | -     | 40 mg        | -           |
|                           | Skin - Mild irritant     | Rabbit  | -     | 24 hours 500 | -           |
|                           |                          |         |       | mg           |             |
| 1,6-Hexanediol diacrylate | Skin - Severe irritant   | Rabbit  | -     | 24 hours 500 | -           |
|                           |                          |         |       | mg           |             |
| Diacrylate Oligomer       | Skin - Severe irritant   | Rabbit  | -     | 500 mg       | -           |
| Tetramethyl Decynediol    | Eyes - Severe irritant   | Rabbit  | -     | 0.1 MI       | -           |
|                           | Skin - Mild irritant     | Rabbit  | -     | 0.5 g        | -           |
| Acrylic Acid              | Eyes - Severe irritant   | Rabbit  | -     | 1 mg         | -           |
|                           | Eyes - Severe irritant   | Rabbit  | -     | 24 hours 250 | -           |

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### **SECTION 11: Toxicological information**

|  | Skin - Severe irritant | Rabbit | - | ug<br>24 hours 5<br>mg | - |
|--|------------------------|--------|---|------------------------|---|
|  | Skin - Severe irritant | Rabbit |   | 500 mg                 | - |

Conclusion/Summary

: Not available.

**Sensitisation** 

No data available

Conclusion/Summary

: Not available.

**Mutagenicity** 

No data available

**Carcinogenicity** 

No data available

Reproductive toxicity

No data available

**Teratogenicity** 

No data available

### Specific target organ toxicity (single exposure)

| Product/ingredient name         | Category   | Route of exposure | Target organs    |
|---------------------------------|------------|-------------------|------------------|
| 1-Methoxy-2-propanol            | Category 3 | -                 | Narcotic effects |
| 2-methoxy-1-methylethyl acetate | Category 3 | -                 | Narcotic effects |
| Methyl Ethyl Ketone             | Category 3 | -                 | Narcotic effects |
| Methyl Isobutyl Ketone          | Category 3 | -                 | Narcotic effects |

### Specific target organ toxicity (repeated exposure)

No data available

### **Aspiration hazard**

No data available

### 11.2 Information on other hazards

### 11.2.1 Endocrine disrupting properties

Not available.

### 11.2.2 Other information

Not available.

### **SECTION 12: Ecological information**

### 12.1 Toxicity

There are no data available on the mixture itself.

Do not allow to enter drains or watercourses.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]. See Sections 2 and 3 for details.

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### **SECTION 12: Ecological information**

| Product/ingredient name | Result   | Species  | Exposure                                   |
|-------------------------|--|--|--|
| Methyl Ethyl Ketone     | Acute EC50 >500000 μg/l Marine water<br>Acute EC50 5091000 μg/l Fresh water  | Algae - <i>Skeletonema costatum</i> Daphnia - <i>Daphnia magna</i> - Larvae                                | 96 hours \ 48 hours                        |
| Methyl Isobutyl Ketone  | Acute LC50 3220000 μg/l Fresh water<br>Acute LC50 505000 μg/l Fresh water<br>Chronic NOEC 78 mg/l Fresh water<br>Chronic NOEC 168 mg/l Fresh water | Fish - Pimephales promelas Fish - Pimephales promelas Daphnia - Daphnia magna Fish - Pimephales promelas - | 96 hours<br>96 hours<br>21 days<br>33 days |
| Acrylic Acid            | Chronic NOEC 3.8 mg/l Fresh water  | Embryo<br>Daphnia - <i>Daphnia magna</i> -<br>Neonate  | 21 days                                    |

### 12.2 Persistence and degradability

| Product/ingredient name | Test | Result | Dose | Inoculum |
|-------------------------|------|--------|------|----------|
| No data available       |      |        |      |          |

### **Conclusion/Summary**: Not available.

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| Methyl Ethyl Ketone     | -                 | -          | Readily          |
| Methyl Isobutyl Ketone  | -                 | -          | Readily          |

### 12.3 Bioaccumulative potential

| Product/ingredient name | LogPow | BCF   | Potential |
|-------------------------|--------|-------|-----------|
| Acrylic Acid            | -      | 3.162 | 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 Endocrine disrupting properties

Not available.

### 12.7 Other adverse effects

No known significant effects or critical hazards.

### **SECTION 13: Disposal considerations**

### 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.

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### **SECTION 13: Disposal considerations**

European waste catalogue (EWC) : waste paint and varnish containing organic solvents or other hazardous substances 08 01 11\*

Disposal considerations

: Do not allow to enter drains or watercourses.

Dispose of according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no

longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

**Packaging** 

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.

Disposal considerations

: Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.

European waste catalogue (EWC) Special precautions packaging containing residues of or contaminated by hazardous substances 15 01 10\*

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   | IMDG  | IATA   |
|---|---|---|--|
| 14.1 UN number or ID number                     | UN1263  | UN1263  | UN1263   |
| 14.2 UN proper shipping name                    | PAINT   | PAINT. Marine pollutant<br>(Acrylate Oligomer,<br>1,6-Hexanediol diacrylate)  | PAINT  |
| 14.3 Transport<br>Hazard Class(es)/<br>Label(s) | 3   | 3   | 3  |
| 14.4 Packing group                              | II  | II  | II   |
| 14.5<br>Environmental<br>hazards                | Yes.  | Yes.  | Yes. The environmentally hazardous substance mark is not required.                                       |
| Additional information                          | The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. <b>Special provisions</b> 640 (C) <b>Tunnel code</b> D/E | The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.  Emergency schedules F-E, S-E | The environmentally hazardous substance mark may appear if required by other transportation regulations. |

user

14.6 Special precautions for : 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.

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### **SECTION 14: Transport information**

14.7 Maritime transport in

bulk according to IMO

: Not applicable.

instruments

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

### **SECTION 15: Regulatory information**

## 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

### Annex XIV - List of substances subject to authorisation

#### **Annex XIV**

None of the components are listed.

## <u>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</u>

| Product/ingredient name      | %    | Designation [Usage] |
|------------------------------|------|---------------------|
| UV PRIMER FOR SPUTTERING     | ≥90  | 3                   |
| decamethylcyclopentasiloxane | ≤0.1 | 70                  |
| formaldehyde                 | <0.1 | 72                  |

**Labelling** : Not applicable.

Other EU regulations

VOC content (2010/75/EU) : 28.8 w/w

309 **g/l** 

**Explosive precursors**: Not applicable.

**Seveso Directive** 

This product may add to the calculation for determining whether a site is within the scope of the Seveso Directive on major accident hazards.

### **National regulations**

| Product/ingredient name | List name | Name on list              | Classification | Notes |
|-------------------------|-----------|---------------------------|----------------|-------|
|                         |           | formaldehyde;<br>methanal | Carc.          | -     |

## 15.2 Chemical safety assessment

: No Chemical Safety Assessment has been carried out.

### **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.

1272/2008]

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

EUH statement = CLP-specific Hazard statement PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

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### SECTION 16: Other information

Key literature references and sources for data

N/A = Not available

: Regulation (EC) No. 1272/2008 [CLP]

ADR = The European Agreement concerning the International Carriage of

Dangerous Goods by Road

IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by

Commission Regulation (EU) 2020/878

Directive 2012/18/EU, and relative amendments & additions Directive 2008/98/EC, and relative amendments & additions Directive 2009/161/EU, and relative amendments & additions

**CEPE Guidelines** 

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification   | Justification  |
|--|--|
| Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Carc. 2, H351<br>STOT SE 3, H336<br>Aquatic Chronic 2, H411 | On basis of test data Calculation method |
| Full text of abbreviated H statements       : H225         H302       H311         H312       H312   | Highly flammable liquid and vapour. Flammable liquid and vapour. Harmful if swallowed. Toxic in contact with skin. Harmful in contact with skin.           |

| H225 | Highly flammable liquid and vapour.      |
|------|--|
| H226 | Flammable liquid and vapour.             |
| H302 | Harmful if swallowed.                    |
| H311 | Toxic in contact with skin.              |
| H312 | Harmful in contact with skin.            |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation.                  |
| H317 | May cause an allergic skin reaction.     |
| H318 | Causes serious eye damage.               |
| H319 | Causes serious eye irritation.           |
| H332 | Harmful if inhaled.                      |
| H336 | May cause drowsiness or dizziness.       |
| H351 | Suspected of causing cancer.             |
| H400 | Very toxic to aquatic life.              |

H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. **EUH066** 

Repeated exposure may cause skin dryness or cracking.

Full text of classifications [CLP/GHS]

: Acute Tox. 3 **ACUTE TOXICITY - Category 3** Acute Tox. 4 **ACUTE TOXICITY - Category 4** 

Aquatic Acute 1 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category

Aquatic Chronic 2 LONG-TERM (CHRONIC) AQUATIC HAZARD -

Category 2

Aquatic Chronic 3 LONG-TERM (CHRONIC) AQUATIC HAZARD -

Category 3

Carc. 2 CARCINOGENICITY - Category 2

Eye Dam. 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 Eye Irrit. 2

Flam. Liq. 2 FLAMMABLE LIQUIDS - Category 2 Flam. Liq. 3 FLAMMABLE LIQUIDS - Category 3

Skin Corr. 1A SKIN CORROSION/IRRITATION - Category 1A Skin Irrit. 2 SKIN CORROSION/IRRITATION - Category 2

Skin Sens. 1 SKIN SENSITISATION - Category 1 Skin Sens. 1B SKIN SENSITISATION - Category 1B

STOT SE 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE

**EXPOSURE - Category 3** 

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### **SECTION 16: Other information**

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: If there is no previous validation date please contact your supplier for more

information.

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### **Notice to reader**

In accordance with Regulation (EC) 1907/2006, REACH Regulation, Articles 31, 37, any required hazard-related information on the use of substances received as downstream user will be sent forward. Consequently, the safety data sheets for some products will contain a SUMI - Safe Use of Mixture Information - attached to the safety data sheet.

SUMI(s) will be added to the SDS for products if both the following conditions are met:

- The product is classified as hazardous for health
- The product contains one or more REACH-registered substances for which extended safety data sheets (exposure scenarios) have been provided

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become make themselves aware of and understand the data contained in this SDS and any hazards that may be associated with the product. This information is provided in good faith and believed to be accurate as of the effective date mentioned herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can may change later the composition, hazards and risks of the product. Products shall should not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to, the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for the use of the product are not under the manufacturer's control of the manufacturer; the customer/buyer/user is responsible to for determine determining the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS, without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be held responsible for SDSs obtained from any other source.

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