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

1.1 Product identifier
   Trade name : METALSTAR UV 21 0004 Silver
   Product code : 050874N20M1

1.2 Relevant identified uses of the substance or mixture and uses advised against
   This information is not available.

1.3 Details of the supplier of the safety data sheet
   Company : ECKART GmbH
             Guentersthal 4
             91235 Hartenstein
   Telephone : +499152770
   Telefax : +499152777008
   E-mail address of person responsible for the SDS : msds.eckart@altana.com

1.4 Emergency telephone number
   GBK Gefahrgut Büro GmbH, Ingelheim, Germany:
   From outside US : (001) 352-323-3500
   (First call in English, response in your language is possible)
   US & Canada (toll free) : 1-800-5355-053

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
   Classification (REGULATION (EC) No 1272/2008)
   Skin irritation, Category 2
   H315: Causes skin irritation.
   Eye irritation, Category 2
   H319: Causes serious eye irritation.
   Skin sensitisation, Category 1
   H317: May cause an allergic skin reaction.
   Long-term (chronic) aquatic hazard, Category 3
   H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements
   Labelling (REGULATION (EC) No 1272/2008)
Hazard pictograms : 

Signal word : Warning

Hazard statements : H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : Prevention:
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/ eye protection/ face protection.

Response:
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Hazardous components which must be listed on the label:
Epoxy acrylate
Propylidynetrimethanol, ethoxylated, esters with acrylic acid
hexamethylene diacrylate
Glycerol, propoxylated, esters with acrylic acid
2-Propenoic acid, ester with C12-16-alkyl glycidyl ether

2.3 Other hazards
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No. EC-No. Index-No. Registration number</th>
<th>Classification REGULATION (EC) No 1272/2008</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy acrylate</td>
<td>55818-57-0 01-2119490020-53</td>
<td>Skin Sens. 1; H317</td>
<td>&gt;= 50 - &lt;= 100</td>
</tr>
<tr>
<td>Propylidynetrimethanol, ethoxylated, esters with acrylic</td>
<td>28961-43-5500-066-5 01-2119489900-30</td>
<td>Skin Irrit. 2; H315 Skin Sens. 1; H317</td>
<td>&gt;= 10 - &lt; 20</td>
</tr>
</tbody>
</table>
SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Move the victim to fresh air.
Do not leave the victim unattended.

Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.

If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : Wash off immediately with soap and plenty of water.
If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.

In case of eye contact : Immediately flush eye(s) with plenty of water.
Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed
Risks: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed
This information is not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media: Dry sand
ABC powder
Foam

Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture
Specific hazards during firefighting: Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters
Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Personal precautions: Evacuate personnel to safe areas. Use personal protective equipment.

6.2 Environmental precautions
Environmental precautions: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Use mechanical handling equipment. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Do not flush with water.

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

Hygiene measures: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Earthing of containers and apparatuses is essential. Reaction with water liberates extremely flammable gas (hydrogen) Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition - No smoking. Keep container closed when not in use.

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.
Further information on storage conditions: Protect from humidity and water.

Advice on common storage:
- Do not store near acids.
- Do not store together with oxidizing and self-igniting products.
- Never allow product to get in contact with water during storage.
- Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Further information on storage stability: No decomposition if stored and applied as directed.

7.3 Specific end use(s)
This information is not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Basis (Version Date)</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium powder (stabilised)</td>
<td>7429-90-5</td>
<td>TWA (Inhalable)</td>
<td>10 mg/m³</td>
<td>GB EH40 (2011-12-01)</td>
</tr>
</tbody>
</table>

Further information:
The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m⁻³ 8-hour TWA of inhalable dust or 4 mg.m⁻³ 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit. Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used.

<table>
<thead>
<tr>
<th>Components</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Basis (Version Date)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWA (Respirable)</td>
<td></td>
<td>4 mg/m³</td>
<td>GB EH40 (2011-12-01)</td>
</tr>
</tbody>
</table>

Further information:
The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m⁻³ 8-hour TWA of inhalable dust or 4 mg.m⁻³ 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit. Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used.

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<th>Components</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Basis (Version Date)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWA (Inhalable)</td>
<td></td>
<td>10 mg/m³</td>
<td>GB EH40 (2005-04-06)</td>
</tr>
</tbody>
</table>

Further information:
For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust. The COSHH definition of a substance hazardous to health includes
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<table>
<thead>
<tr>
<th>TWA (Respirable)</th>
<th>4 mg/m³</th>
<th>GB EH40 (2005-04-06)</th>
</tr>
</thead>
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<tr>
<td>Further information</td>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TWA (inhalable dust)</th>
<th>10 mg/m³</th>
<th>GB EH40 (2011-12-01)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Further information</td>
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</table>
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<table>
<thead>
<tr>
<th>Substance name</th>
<th>End Use</th>
<th>Exposure routes</th>
<th>Potential health effects</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy acrylate</td>
<td>Workers</td>
<td>Skin contact</td>
<td>long term – systemic</td>
<td>33 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Inhalation</td>
<td>long term – systemic</td>
<td>1.17 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Inhalation</td>
<td>long term – systemic</td>
<td>0.29 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Skin contact</td>
<td>long term – systemic</td>
<td>16.67 mg/kg</td>
</tr>
</tbody>
</table>
### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Environmental Compartment</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy acrylate</td>
<td>Fresh water</td>
<td>0.1 mg/l</td>
</tr>
<tr>
<td></td>
<td>Marine water</td>
<td>0.01 mg/l</td>
</tr>
<tr>
<td></td>
<td>Fresh water sediment</td>
<td>35.8 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Marine sediment</td>
<td>3.58 mg/kg</td>
</tr>
<tr>
<td></td>
<td>clarification plant</td>
<td>10 mg/l</td>
</tr>
<tr>
<td></td>
<td>Soil</td>
<td>7.1 mg/kg</td>
</tr>
<tr>
<td>aluminium powder (stabilised)</td>
<td>Fresh water</td>
<td>0.0749 mg/l</td>
</tr>
</tbody>
</table>

### Individual Substances

#### Propylidynetrimethanol, ethoxylated, esters with acrylic acid

<table>
<thead>
<tr>
<th>Exposure Route</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin contact</td>
<td>0.8 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td>16.2 mg/m³</td>
</tr>
<tr>
<td>Ingestion</td>
<td>4.9 mg/m³</td>
</tr>
</tbody>
</table>

#### Aluminium powder (stabilised)

<table>
<thead>
<tr>
<th>Exposure Route</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>3.72 mg/m³</td>
</tr>
<tr>
<td>Oral</td>
<td>3.95 mg/kg</td>
</tr>
</tbody>
</table>

#### Hexamethylene diacrylate

<table>
<thead>
<tr>
<th>Exposure Route</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>24.48 mg/m³</td>
</tr>
<tr>
<td>Skin contact</td>
<td>2.77 mg/kg</td>
</tr>
<tr>
<td>Ingestion</td>
<td>2.08 mg/kg</td>
</tr>
<tr>
<td>Skin contact</td>
<td>1.66 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td>7.24 mg/m³</td>
</tr>
</tbody>
</table>

#### Glycerol, propoxylated, esters with acrylic acid

<table>
<thead>
<tr>
<th>Exposure Route</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin contact</td>
<td>1.92 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td>16.22 mg/m³</td>
</tr>
<tr>
<td>Ingestion</td>
<td>1.39 mg/kg</td>
</tr>
<tr>
<td>Skin contact</td>
<td>1.15 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td>4.87 mg/m³</td>
</tr>
</tbody>
</table>
Propylidynetrimethanol, ethoxylated, esters with acrylic acid

<table>
<thead>
<tr>
<th>Clarification plant</th>
<th>Soil</th>
<th>20 mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fresh water</td>
<td>0.00195 mg/l</td>
<td></td>
</tr>
<tr>
<td>Fresh water sediment</td>
<td>0.0082 mg/kg</td>
<td></td>
</tr>
<tr>
<td>STP</td>
<td>10 mg/l</td>
<td></td>
</tr>
<tr>
<td>Marine water</td>
<td>0.000195 mg/l</td>
<td></td>
</tr>
<tr>
<td>Marine sediment</td>
<td>0.00082 mg/kg</td>
<td></td>
</tr>
</tbody>
</table>

hexamethylene diacrylate

| Soil | 0.00397 mg/kg |
| Fresh water | 0.0015 mg/l |
| Marine water | 0.00015 mg/l |
| STP | 2.7 mg/l |

Glycerol, propoxylated, esters with acrylic acid

| Soil | 0.00111 mg/kg |
| Fresh water | 0.00574 mg/l |
| Fresh water sediment | 0.01697 mg/kg |
| Marine water | 0.000574 mg/l |
| Marine sediment | 0.001697 mg/kg |
| STP | 10 mg/l |

8.2 Exposure controls

**Personal protective equipment**

**Eye protection** : Goggles

Wear face-shield and protective suit for abnormal processing problems.

**Hand protection**

**Material** : Solvent-resistant gloves (butyl-rubber)

**Remarks** : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). The exact break through time can be obtained from the protective glove producer and this has to be observed. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Recommended preventive skin protection Skin should be washed after contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

**Skin and body protection** : Choose body protection according to the amount and concentration of the dangerous substance at the workplace.

**Respiratory protection** : Use suitable breathing protection if workplace concentration
Environmental exposure controls
Water : The product should not be allowed to enter drains, water courses or the soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>silver</td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>&gt; 100 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 100 °C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Self-ignition</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Smoldering temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper explosion limit / Upper flammability limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower explosion limit / Lower flammability limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

METALSTAR UV 21 0004 Silver

Relative vapour density: No data available
Relative density: No data available
Density: 1 g/cm³
Bulk density: No data available
Water solubility: No data available
Solubility in other solvents: No data available
Partition coefficient: n-octanol/water: No data available
Decomposition temperature: No data available
Viscosity
Viscosity, dynamic: 50,000 mPa.s
Viscosity, kinematic: No data available
Flow time: No data available

9.2 Other information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
No decomposition if stored and applied as directed.

10.2 Chemical stability
No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions
Hazardous reactions: Contact with acids and alkalis may release hydrogen.
Stable under recommended storage conditions.

10.4 Conditions to avoid
Conditions to avoid: Do not allow evaporation to dryness.
No data available

10.5 Incompatible materials
Materials to avoid: Acids
Bases
Oxidizing agents

A member of ALTANA
10.6 Hazardous decomposition products
Contact with water or humid air: This information is not available.
Thermal decomposition: This information is not available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
Not classified based on available information.

Components:
aluminium powder (stabilised):
Acute inhalation toxicity: LC50 (Rat): > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

hexamethylene diacrylate:
Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity: (Rat): 0.14 mg/l
Exposure time: 7 h

Acute dermal toxicity: LD50 (Rabbit): 3,650 mg/kg
Method: OECD Test Guideline 402

2-hydroxy-1-(4-(4-(2-hydroxy-2-methylpropionyl)benzyl)phenyl)-2-methylpropan-1-one:
Acute oral toxicity: LD50 (Rat): > 2,000 mg/kg

Acute dermal toxicity: LD50 (Rat): > 2,000 mg/kg

Skin corrosion/irritation
Causes skin irritation.

Product:
Remarks: May cause skin irritation and/or dermatitis.

Components:
Propylidynetrimethanol, ethoxylated, esters with acrylic acid:
Result: Skin irritation
Remarks: May cause skin irritation and/or dermatitis.

**Glycerol, propoxylated, esters with acrylic acid:**
Remarks: May cause skin irritation and/or dermatitis.

**Serious eye damage/eye irritation**
Causes serious eye irritation.

**Product:**
Remarks: Eye irritation

**Components:**

**Propyldinhydromethylmethanol, ethoxylated, esters with acrylic acid:**
Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

**Glycerol, propoxylated, esters with acrylic acid:**
Remarks: Eye irritation

**Respiratory or skin sensitisation**

**Skin sensitisation**
May cause an allergic skin reaction.

**Respiratory sensitisation**
Not classified based on available information.

**Product:**
Remarks: Causes sensitisation.
May cause sensitisation of susceptible persons by skin contact.

**Components:**

**Propyldinhydromethylmethanol, ethoxylated, esters with acrylic acid:**
Result: May cause sensitisation by skin contact.

Remarks: Causes sensitisation.
May cause sensitisation of susceptible persons by skin contact.

**Glycerol, propoxylated, esters with acrylic acid:**
Remarks: Causes sensitisation.
May cause sensitisation of susceptible persons by skin contact.

**2-Propanoic acid, ester with C12-16-alkyl glycidyl ether:**
Result: May cause sensitisation by skin contact.

**Germ cell mutagenicity**
Not classified based on available information.
Carcinogenicity
Not classified based on available information.

Reproductive toxicity
Not classified based on available information.

STOT - single exposure
Not classified based on available information.

STOT - repeated exposure
Not classified based on available information.

Aspiration toxicity
Not classified based on available information.

Further information

Product:
Remarks: No data available

Components:

Propylidynetrimethanol, ethoxylated, esters with acrylic acid:
Remarks: No data available

Glycerol, propoxylated, esters with acrylic acid:
Remarks: No data available

SECTION 12: Ecological information

12.1 Toxicty

Components:

Propylidynetrimethanol, ethoxylated, esters with acrylic acid:
Toxicity to daphnia and other aquatic invertebrates: (Daphnia (water flea)): 10,232.73 mg/l

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment

Product:
Assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or
very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

**Product:**
Additional ecological information: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

**Components:**

*Propylidynetrimethanol, ethoxylated, esters with acrylic acid:*
Additional ecological information: No data available

*Glycerol, propoxylated, esters with acrylic acid:*
Additional ecological information: No data available

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**SECTION 13: Disposal considerations**

**European Waste Catalogue:** 08 03 12 - waste ink containing dangerous substances

**13.1 Waste treatment methods**

**Product:** The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. In accordance with local and national regulations.

**Contaminated packaging:** Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. In accordance with local and national regulations.
SECTION 14: Transport information

14.1 UN number
14.2 UN proper shipping name
14.3 Transport hazard class(es)
14.4 Packing group
14.5 Environmental hazards
14.6 Special precautions for user
   Remarks : Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
   Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
   REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

15.2 Chemical safety assessment
   This information is not available.

SECTION 16: Other information

Full text of H-Statements

<table>
<thead>
<tr>
<th>H-Number</th>
<th>Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>H228</td>
<td>Flammable solid.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure.</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life.</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

Full text of other abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Acute</td>
<td>Short-term (acute) aquatic hazard</td>
</tr>
<tr>
<td>Aquatic Chronic</td>
<td>Long-term (chronic) aquatic hazard</td>
</tr>
<tr>
<td>Eye Irrit.</td>
<td>Eye irritation</td>
</tr>
<tr>
<td>Flam. Sol.</td>
<td>Flammable solids</td>
</tr>
<tr>
<td>Skin Irrit.</td>
<td>Skin irritation</td>
</tr>
</tbody>
</table>
Further information
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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