Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Code(s) SDS-06109 EN E
Product Name HighTemperatureWhite, RGD525™
PN (Part Number) OBJ-03256, OBJ-04056
Denmark PR No N/A
Chemical name Acrylic formulation
Pure substance/mixture Mixture

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

Recommended Use Printing inks
Uses advised against This product is a cartridge containing ink. Under normal conditions of use, the substance is released from a cartridge only inside an appropriate printing system, and therefore, exposure is limited

1.3. Details of the supplier of the safety data sheet

Importer Stratasys EMEA Regional Office
Airport Boulevard B 120
77836 Rheinmünster, Germany
Phone: +49-7229-7772-0

For further information, please contact info@Stratasys.com

1.4. Emergency telephone number

Emergency Telephone +44 1235 239670 - Europe - Multi lingual response

Austria Poison Information Centre (AT): +43-(0)1-406 43 43
Belgium Poison Centre (BE): +32 70 245 245
Croatia Poison Control (CR): +385 1 2348 342
Czech Republic Poison Control (CS): +420 224 919 293, +420 224 915 402
Denmark Poison Control Hotline (DK): +45 82 12 12 12
Estonia Poison Control (ET): 16662, (+372) 626 93 90
Finland Poison Information Centre (FI): +358 9 471 977
France ORFILA (FR): + 01 45 42 59 59
Germany Poison Centre Berlin (DE): +49 030 30686 790 (24 h service, Advice in German and English)
Greece Poison Information Center (EL): (0030) 2107793777
Hungary Poison Information Service (HU): (+ 36-80) 201-199
Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Regulation (EC) No 1272/2008

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Classification</th>
<th>Category</th>
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</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td></td>
<td>Category 2 - (H315)</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
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<td>Category 1 - (H318)</td>
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<tr>
<td>Skin sensitisation</td>
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<td>Category 1B - (H317)</td>
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<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
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<td>Category 2 - (H373)</td>
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<tr>
<td>Chronic aquatic toxicity</td>
<td></td>
<td>Category 2 - (H411)</td>
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2.2. Label elements
Contains 4-(1-Oxo-2-propenyl)-morpholine, (Octahydro-4,7-methano-1H-indenediyl)bis(methylene)diacrylate, Hydroxy pivalic acid neopentylglycol diacrylate, Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate

Signal word
Danger

Hazard statements
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H373 - May cause damage to organs through prolonged or repeated exposure
H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements
P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P260 - Do not breathe dust/fume/gas/mist/vapours/spray
P273 - Avoid release to the environment
P280 - Wear protective gloves and eye/face protection
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor
P391 - Collect spillage
P501 - Dispose of contents/container to an approved waste disposal plant

2.3. Other hazards
Toxic to aquatic life.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures
### Chemical name | EC No | CAS No | Index no. | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH Registration Number |
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<td>10 - 30</td>
<td>Acute Tox. 4 (H302) Eye Dam. 1 (H318) Skin Sens. 1 (H317) STOT RE 2 (H373)</td>
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<td>10 - 30</td>
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<td>Eye Irrit. 2 (H319) Skin Sens. 1 (H317)</td>
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</tbody>
</table>

**Full text of H- and EUH-phrases: see section 16**

### Section 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

**General advice**
Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

**Inhalation**
Remove to fresh air. Get medical attention immediately if symptoms occur.

**Eye contact**
Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.
Skin contact
Wash off immediately with soap and plenty of water for at least 15 minutes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.

Ingestion
Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.

Self-protection of the first aider
Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

4.2. Most important symptoms and effects, both acute and delayed

Symptoms

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

Note to doctors
May cause sensitisation in susceptible persons. Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media
Use extinguishing agent suitable for type of surrounding fire

Class B fires: Use carbon dioxide (CO2), regular dry chemical (sodium bicarbonate), regular foam (Aqueous Film Forming Foam-AFFF), or water spray to cool containers

Unsuitable extinguishing media
No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical
Product is or contains a sensitizer. May cause sensitisation by skin contact.

5.3. Advice for firefighters

Special protective equipment for fire-fighters
Move containers from fire area if you can do it without risk. Cool containers with flooding quantities of water until well after fire is out. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Keep out of drains, sewers, ditches and waterways. Inhalation is a health risk. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Occupational Spill Release
Intact cartridges do not pose a leak or spill hazard. Damaged cartridges may leak uncured ink. Stop leak if you can do it without risk Use water spray to reduce vapours or divert vapour cloud drift Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container Keep out of drains, sewers, ditches and waterways

Other Information
Refer to protective measures listed in Sections 7 and 8.

For emergency responders
Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions
Prevent further leakage or spillage if safe to do so.
6.3. Methods and material for containment and cleaning up

Methods for containment Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling Do not eat, drink or smoke when using this product. Avoid breathing vapours or mists. Wash thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Wear protective gloves and eye/face protection. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals. Store in a cool, well ventilated area. Store in accordance with local regulations. Keep container tightly closed. Store between 15 °C and 27 °C. Shipment temperature (up to 5 weeks) is -20 °C to 50 °C. Store in a combustible storage area away from heat and open flame.

Hints on joint storage Storage class LGK10 - Combustible liquids unless storage class 3

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Material Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure disclaimer Personal protection measures are only needed if cartridge is damaged punctured causing spillage of material.

8.1. Control parameters

Exposure Limits

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>European Union</th>
<th>United Kingdom</th>
<th>France</th>
<th>Spain</th>
<th>Germany</th>
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</thead>
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<td>Titanium dioxide</td>
<td>-</td>
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<td>TWA: 10 mg/m³</td>
<td>TWA: 10 mg/m³</td>
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</tr>
<tr>
<td>13463-67-7</td>
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<td>STEL: 30 mg/m³</td>
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<td>TWA: 2 ppm</td>
<td>TWA: 10 ppm</td>
<td>TWA: 10 ppm</td>
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<td>Denmark</td>
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<td>---------</td>
<td>---------</td>
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<td>-</td>
<td>-</td>
<td>-</td>
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<td>camphene 79-92-5</td>
<td>-</td>
<td>-</td>
<td>TWA: 1000 mg/m³</td>
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<td>-</td>
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<tr>
<td>2-methoxy-1-methyl ethyl acetate 108-65-6</td>
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<td>TWA 50 ppm TWA 274 mg/m³ STEL 100 ppm STEL 548 mg/m³</td>
<td>TWA 50 ppm TWA 275 mg/m³ STEL 100 ppm STEL 550 mg/m³</td>
<td>TWA 50 ppm TWA 275 mg/m³ STEL 100 ppm STEL 550 mg/m³</td>
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<td>1,7,7-Trimethyltricyclo[2.2.1.0².6]heptane 508-32-7</td>
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<td>TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL 550 mg/m³ P*</td>
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### Biological occupational exposure limits

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</table>

**Derived No Effect Level (DNEL)**

No information available.

**Predicted No Effect Concentration (PNEC)**

No information available.

### 8.2. Exposure controls

#### Personal protective equipment

**Eye/face protection**

Tight sealing safety goggles.

**Hand Protection**

Wear suitable gloves. Impervious gloves.

**Skin and body protection**

Wear suitable protective clothing. Long sleeved clothing.

**Respiratory protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations**

Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

**Environmental exposure controls**

No information available.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

**Physical state**

liquid

---

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<th>Norway</th>
<th>Ireland</th>
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<td>TWA: 2 mg/m³ STEL 4 mg/m³</td>
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<td>TWA: 400 ppm STEL: 1600 mg/m³ TWA: 1200 mg/m³</td>
<td>STEL: 2000 mg/m³ TWA: 1200 mg/m³</td>
<td>TWA: 2000 ppm TWA: 1600 ppm TWA: 1200 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA: 2000 mg/m³ STEL: 1600 mg/m³</td>
<td>STEL: 2000 mg/m³ TWA: 1200 mg/m³</td>
<td>TWA: 2000 ppm TWA: 1600 ppm TWA: 1200 mg/m³</td>
<td>TWA: 2000 ppm TWA: 1600 ppm TWA: 1200 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>
Appearance: Ink cartridge
Odour: Characteristic
Colour: white
Odour threshold: No information available

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flash point</td>
<td>117 °C</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.10 g/cm³</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>Insoluble in water</td>
<td></td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

9.2. Other information
- Softening point: No information available
- Molecular weight: No information available
- VOC Content (%): No information available
- Liquid Density: No information available
- Bulk density: No information available
- Particle Size: No information available
- Particle Size Distribution: No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity
- Reactivity: Heating may cause a fire.

10.2. Chemical stability
- Stability: Decomposes on exposure to light. Unstable if heated.

Explosion data
- Sensitivity to Mechanical Impact: None.
- Sensitivity to Static Discharge: None.

10.3. Possibility of hazardous reactions
- Possibility of hazardous reactions: Uncured ink will polymerize on exposure to light.

10.4. Conditions to avoid
- Conditions to avoid: Avoid exposure to heat and light.

10.5. Incompatible materials
Incompatible materials
Not applicable under normal conditions of use and storage.

10.6. Hazardous decomposition products


Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

- Inhalation
  May cause irritation of respiratory tract. (based on components).

- Eye contact
  Severely irritating to eyes. Causes serious eye damage. May cause irreversible damage to eyes. (based on components).

- Skin contact
  May cause sensitisation by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation.

- Ingestion
  Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. (based on components).

Information on toxicological effects

Symptoms

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document
ATEmix (oral) 2,152.50 mg/kg mg/l

Component Information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary</td>
<td>= 588 mg/kg (rat)</td>
<td>&gt; 2000 mg/kg (rat)</td>
<td>= 5.28 mg/l (rat)</td>
</tr>
<tr>
<td>Proprietary</td>
<td>= 2,000 mg/kg (Rat) (Method: OECD Test Guideline 423)</td>
<td>= 2,000 mg/kg (Rat)(Method: OECD Test Guideline 402)</td>
<td>-</td>
</tr>
<tr>
<td>Proprietary</td>
<td>= 4890 mg/kg</td>
<td>&gt; 3000 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>(Rat) LD50 = 1,590 - 3,910 mg/kg</td>
<td>(Rabbit) LD50 = &gt; 2,000 mg/kg</td>
<td>(Rat) 1 h LC0 = 6.7 mg/l</td>
<td></td>
</tr>
<tr>
<td>Proprietary</td>
<td>&gt; 2000 mg/kg</td>
<td>&gt; 2000 mg/kg (Rat)</td>
<td>-</td>
</tr>
<tr>
<td>&gt; 10000 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>&gt; 10000 mg/kg</td>
<td>&gt; 10000 mg/kg (Rat)</td>
<td>-</td>
</tr>
<tr>
<td>Acrylic acid</td>
<td>= 33500 µg/kg = 193 mg/kg</td>
<td>= 295 mg/kg (Rabbit) = 280 µL/kg (Rabbit)</td>
<td>= 3.6 mg/L (Rat) 4 h = 11.1 mg/L (Rat) 1 h</td>
</tr>
<tr>
<td>Aluminium Hydroxide</td>
<td>&gt; 5000 mg/kg</td>
<td>&gt; 2500 mg/kg (Rabbit)</td>
<td>= 17100 mg/m³ (Rat) 1 h</td>
</tr>
<tr>
<td>camphene</td>
<td>&gt; 5 g/kg</td>
<td>&gt; 5 g/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>2-methoxy-1-methylethly</td>
<td>= 8532 mg/kg</td>
<td>&gt; 5 g/kg (Rabbit)</td>
<td>-</td>
</tr>
</tbody>
</table>
acetate = 8532 mg/kg (Rat)  
4-Methoxyphenol/Mequinol  
\begin{align*} 
\text{= 1600 mg/kg} \\
\text{(Rat)} \\
\text{= 1600 mg/kg} \\
\text{(Rat)} \\
\text{> 2000 mg/kg (Rabbit)} \\
\end{align*}

Phosphoric acid  
\begin{align*} 
\text{= 1530 mg/kg} \\
\text{(Rat)} \\
\text{= 2740 mg/kg (Rabbit)} \\
\text{> 850 mg/m^3 (Rat) 1 h} \\
\end{align*}

Heptane  
\begin{align*} 
\text{= -} \\
\text{(Rat)} \\
\text{= 3000 mg/kg (Rabbit)} \\
\text{= 103 g/m^3 (Rat) 4 h} \\
\end{align*}

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

Skin corrosion/irritation  
Classification based on data available for ingredients. Irritating to skin.

Serious eye damage/eye irritation  
Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.

Respiratory or skin sensitisation  
May cause sensitisation by skin contact. Classification based on data available for ingredients.

Germ cell mutagenicity  
No information available.

Carcinogenicity  
No information available.

Reproductive toxicity  
No information available.

STOT - single exposure  
Classification based on data available for ingredients.

Aspiration hazard  
No information available.

---

**Section 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity**

Ecotoxicity  
Toxic to aquatic life with long lasting effects

Unknown aquatic toxicity  
Contains 0% of components with unknown hazards to the aquatic environment.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary</td>
<td>120 mg/l (algae)</td>
<td>-</td>
<td>-</td>
<td>120 mg/kg (daphnia)</td>
</tr>
<tr>
<td>Proprietary</td>
<td>(Pseudokirchneriella subcapitata) : 1.6 mg/l (Method: OECD Test Guideline 201)</td>
<td>(Fish) : 4.95 mg/l</td>
<td>-</td>
<td>(Daphnia magna Straus) : 2.36 mg/l (Method: OECD Test Guideline 202)</td>
</tr>
<tr>
<td>Proprietary</td>
<td>1.98 mg/l Fresh water</td>
<td>0.704 mg/l Fresh water</td>
<td>-</td>
<td>0.524 mg/l Fresh water</td>
</tr>
</tbody>
</table>
| Proprietary         | Pseudokirchneriella subcapitata (green algae)  
96 h EC50 = 0.17 mg/l | Oncorhynchus mykiss (rainbow trout) 96 h LC50 = 27 mg/l | -                          | Daphnia magna (Water flea) 48 h EC50 = 95 mg/l |
| Proprietary         | -                                     | 90: 96 h Danio rerio µg/L LC50 semi-static | -                          | -                               |
| Acrylic acid        | 0.17: 96 h  
Pseudokirchneriella subcapitata mg/L EC50 0.04: 72 h Desmodesmus subspicatus mg/L EC50 | 222: 96 h Brachydanio rerio mg/L LC50 semi-static | -                          | 270: 24 h Daphnia magna mg/L LC50 Static 95: 48 h Daphnia magna mg/L EC50 |
| camphene            | 1000: 72 h  
Desmodesmus subspicatus mg/L EC50 | 0.72: 96 h Brachydanio rerio mg/L LC50 flow-through 150: 96 h Brachydanio rerio mg/L LC50 static | -                          | 22: 48 h Daphnia magna mg/L EC50 |
| 2-methoxy-1-methylethyl | -                             | 161: 96 h Pimephales             | -                          | 500: 48 h Daphnia               |
12.2. Persistence and degradability

Persistance and degradability

No information available.

12.3. Bioaccumulative potential

Bioaccumulation

There is no data for this product.

Component Information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic acid</td>
<td>0.46</td>
</tr>
<tr>
<td>2-methoxy-1-methylethyl acetate</td>
<td>0.43</td>
</tr>
<tr>
<td>4-Methoxyphenol/ Mequinol</td>
<td>1.3</td>
</tr>
<tr>
<td>Heptane</td>
<td>4.66</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

No information available.

12.6. Other adverse effects

Other adverse effects

No information available.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging

Do not reuse empty containers.

Waste codes / waste designations according to EWC / AVV

08 03 12* Waste ink containing dangerous substances.

Section 14: TRANSPORT INFORMATION

Additional information

The environmentally hazardous substance mark is not required when transported in sizes of ≤5L or ≤5kg
The marine pollutant mark is not required when transported in sizes of ≤5L or ≤5kg
IMDG
14.1 UN number UN3082
14.2 UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3 Transport hazard class(es) 9
14.4 Packing group III
   Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
14.5 Marine pollutant
   This product contains a chemical which is listed as a severe marine pollutant according to IMDG/IMO
   Environmental Hazard Yes
14.6 Special Provisions 274, 335, 969
   EmS-No F-A, S-F
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

RID
14.1 UN Number UN3082
14.2 UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3 Transport hazard class(es) 9
   Labels 9
14.4 Packing group III
   Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
14.5 Environmental Hazard Yes
14.6 Special Provisions 274, 335, 375, 601
   Classification code M6

ADR
14.1 UN number 3082
14.2 UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3 Transport hazard class(es) 9
   Labels 9
14.4 Packing group III
   Description 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
14.5 Environmental Hazard Yes
14.6 Special Provisions 274, 335, 601, 375
   Classification code M6

IATA
14.1 UN Number UN3082
14.2 UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3 Transport hazard class(es) 9
14.4 Packing group III
   Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
14.5 Environmental Hazard Yes
14.6 Special Provisions A97, A158, A197
   ERG Code 9L

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
National regulations
France
Occupational Illnesses (R-463-3, France)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>French RG number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-methoxy-1-methylethyl acetate</td>
<td>RG 84</td>
<td>-</td>
</tr>
<tr>
<td>108-65-6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-Methoxyphenol/ Mequinol</td>
<td>RG 65</td>
<td>-</td>
</tr>
<tr>
<td>150-76-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heptane</td>
<td>RG 84</td>
<td>-</td>
</tr>
<tr>
<td>142-82-5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Germany
Water hazard class (WGK) hazardous to water (WGK 2)

European Union
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorisations and/or restrictions on use:
This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants
Not applicable

Dangerous substance category per Seveso Directive (2012/18/EU)
E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

15.2. Chemical safety assessment
Chemical Safety Report No information available

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3
H225 - Highly flammable liquid and vapour
H226 - Flammable liquid and vapour
H228 - Flammable solid
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
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 damage
H322 - Harmful if inhaled
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H361d - Suspected of damaging the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H411 - Toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects
H413 - May cause long lasting harmful effects to aquatic life

Legend
SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>TWA</th>
<th>TWA (time-weighted average)</th>
<th>STEL</th>
<th>STEL (Short Term Exposure Limit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceiling</td>
<td>Maximum limit value</td>
<td>*</td>
<td>Skin designation</td>
</tr>
</tbody>
</table>

Classification procedure
Classification according to Regulation (EC) No. 1272/2008 [CLP] Method Used
Acute oral toxicity Calculation method
Acute dermal toxicity Calculation method
Acute inhalation toxicity - gas Calculation method
Acute inhalation toxicity - Vapor Calculation method
Acute inhalation toxicity - dust/mist Calculation method
Skin corrosion/irritation Calculation method
Serious eye damage/eye irritation Calculation method
Respiratory sensitisation Calculation method
Mutagenicity Calculation method
Carcinogenicity Calculation method
Reproductive toxicity Calculation method
STOT - single exposure Calculation method
Acute aquatic toxicity Calculation method
Chronic aquatic toxicity Calculation method
Aspiration toxicity Calculation method
Ozone Calculation method

Revision Date 21-May-2020

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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