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

1.1. Product identifier

Product Name
Zar® Exterior Water Based Polyurethane - All Gloss Levels

Chemical name
Contains 1-Methyl-2-pyrrolidone

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

Recommended Use
Clear Wood Finish - Varnish.

Uses advised against
No information available.

1.3. Details of the supplier of the safety data sheet

Supplier Name
United Gilsonite Laboratories

Supplier Address
1396 Jefferson Ave.
Dunmore
PA
18509
US

Supplier Phone Number
Phone:570-344-1202
Fax:570-969-7634
Contact Phone570-344-1202

Supplier Email
sales@ugl.com

For further information, please contact.

1.4. Emergency telephone number

Emergency telephone
CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
+1-800-424-9300 (NORTH AMERICA)
Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

<table>
<thead>
<tr>
<th>Regulation (EC) No 1272/2008</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>2 - (H315)</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>2 - (H319)</td>
</tr>
<tr>
<td>Reproductive Toxicity</td>
<td>1B - (H360D)</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>3 - (H335)</td>
</tr>
</tbody>
</table>

2.2. Label elements

Contains 1-Methyl-2-pyrrolidone

Signal word

<table>
<thead>
<tr>
<th>Danger</th>
</tr>
</thead>
<tbody>
<tr>
<td>H315 - Causes skin irritation</td>
</tr>
<tr>
<td>H319 - Causes serious eye irritation</td>
</tr>
<tr>
<td>H360D - May damage the unborn child</td>
</tr>
<tr>
<td>H335 - May cause respiratory irritation</td>
</tr>
</tbody>
</table>

Precautionary Statements - EU (§28, 1272/2008)

- P201 - Obtain special instructions before use
- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P280 - Wear protective gloves and eye/face protection
- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P321 - Specific treatment (see supplemental first aid instructions on this label)
- P501 - Dispose of contents/container to an approved waste disposal plant

2.3. Other hazards

No information available
3.1 Substances
Not applicable.

3.2 Mixtures

|---------------|---------|---------|----------|-----------------------------------------------------------------|----------------|
| 1-Methyl-2-pyrrolidone | 212-828-1 | 872-50-4 | 5 - 10% | Skin Irrit. 2 (H315)  
Repr. 1B (H360D)  
STOT SE 3 (H335)  
Eye Irrit. 2 (H319) | No data available |
| Triethylamine | 204-469-4 | 121-44-8 | 1 - 5% | Acute Tox. 4 (H302)  
Acute Tox. 4 (H312)  
Skin Corr. 1A (H314)  
Flam. Liq. 2 (H225)  
Acute Tox. 4 (H332) | No data available |
| Silica, amorphous, fumed, crystal-free | - | 112945-52-5 | < 1% | No data available | No data available |
| Poly(oxy-1,2-ethanediyl),.alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl].omega.-hydrate | 400-830-7 | 104810-47-1 | < 1% | Skin Sens. 1 (H317)  
Aquatic Chronic 2 (H411) | No data available |
| Poly(oxy-1,2-ethanediyl),.alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl].omega.-hydrate | 400-830-7 | 104810-48-2 | < 1% | Skin Sens. 1 (H317)  
Aquatic Chronic 2 (H411) | No data available |
| Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate | 255-437-1 | 41556-26-7 | < 1% | Skin Sens. 1 (H317)  
Aquatic Acute 1 (H400)  
Aquatic Chronic 1 (H410) | No data available |
| Manganese isooctanoate | 253-508-1 | 37449-19-7 | < 0.1% | No data available | No data available |
| Third Party Formulation (TP # 1172167) | Listed | - | 0 - 10% | Repr. 2 (H361d) | No data available |

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

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>SVHC candidates</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methyl-2-pyrrolidone</td>
<td>872-50-4</td>
<td>X</td>
</tr>
</tbody>
</table>

Section 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice
Show this safety data sheet to the doctor in attendance.

Inhalation
Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.

Skin contact
Wash off immediately with soap and plenty of water for at least 15 minutes. Get
medical attention if irritation develops and persists.

Eye contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.

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

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
Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

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

Note to physicians
Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media
Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire
CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media
Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical
Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous Combustion Products
Carbon oxides.

5.3. Advice for firefighters

Special protective equipment for fire-fighters
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
Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Special danger of slipping by leaking/spilling product.
1237967 - Zar® Exterior Water Based Polyurethane -
All Gloss Levels

Revision Date 07-May-2018

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
Prevent further leakage or spillage if safe to do so.
Methods for cleaning up
Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

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
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Remove contaminated clothing and shoes. Take off contaminated clothing and wash before reuse. Ensure adequate ventilation. Avoid breathing vapors or mists. In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations
Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

7.2. Conditions for safe storage, including any incompatibilities
Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

7.3. Specific end use(s)
Risk Management Methods (RMM)
The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Exposure Limits

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>EU (S)</th>
<th>United Kingdom</th>
<th>France</th>
<th>Spain</th>
<th>Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methyl-2-pyrrolidone 872-50-4</td>
<td>TWA: 10 ppm STEL: 20 ppm</td>
<td>TWA: 10 ppm STEL: 40 mg/m³</td>
<td>TWA: 10 ppm via dérmica STEL: 20 ppm STEL: 80 mg/m³</td>
<td>TWA: 10 ppm</td>
<td>TWA: 20 ppm STEL: 82 mg/m³ S*</td>
</tr>
<tr>
<td>Chemical name</td>
<td>Italy</td>
<td>Portugal</td>
<td>Netherlands</td>
<td>Finland</td>
<td>Denmark</td>
</tr>
<tr>
<td>---------------</td>
<td>-------</td>
<td>----------</td>
<td>-------------</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>1-Methyl-2-pyrrolidone 872-50-4</td>
<td>-</td>
<td>-</td>
<td>H* STEL: 20 ppm TWA: 40 mg/m³</td>
<td>TWA: 10 ppm TWA: 40 mg/m³</td>
<td>TWA: 5 ppm TWA: 20 mg/m³ H*</td>
</tr>
<tr>
<td>TWA: 2 ppm TWA: 8.4 mg/m³ STEL: 3 ppm STEL: 12.6 mg/m³ pelle*</td>
<td>-</td>
<td>-</td>
<td>H* STEL: 160 mg/m³ TWA: 20 ppm TWA: 40 mg/m³</td>
<td>TWA: 40 mg/m³ TWA: 5 ppm TWA: 20 mg/m³ H*</td>
<td>TWA: 3 ppm STEL: 120 mg/m³ Sk*</td>
</tr>
<tr>
<td>TWA: 2 ppm TWA: 8.4 mg/m³ STEL: 1 pppm TWA: 4.2 mg/m³</td>
<td>-</td>
<td>-</td>
<td>P* STEL: 9 mg/m³ TWA: 3 mg/m³</td>
<td>TWA: 2 ppm TWA: 8 mg/m³ H* STEL: 4 ppm STEL: 16 mg/m³</td>
<td>TWA: 2 ppm TWA: 8.4 mg/m³ STEL: 3 ppm STEL: 12.6 mg/m³ Sk*</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystal-free 112945-52-5</td>
<td>TWA: 4 mg/m³</td>
<td>TWA: 4 mg/m³</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Manganese isooctanoate 37449-19-7</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>TWA: 0.2 mg/m³ STEL: 0.6 mg/m³</td>
</tr>
<tr>
<td>Third Party Formulation (TP # 1172167)</td>
<td>H* TWA: 10 ppm TWA: 50.1 mg/m³</td>
<td>-</td>
<td>P* TWA: 50 mg/m³</td>
<td>TWA: 10 ppm TWA: 50 mg/m³ H* STEL: 15 ppm STEL: 75 mg/m³</td>
<td>TWA: 10 ppm TWA: 50.1 mg/m³ STEL: 30 ppm STEL: 150.3 mg/m³ Sk*</td>
</tr>
</tbody>
</table>

Biological occupational exposure limits
1-Methyl-2-pyrrolidone 872-50-4

Chemical name | European Union | United Kingdom | France | Spain | Germany
---|---|---|---|---|---
1-Methyl-2-pyrrolidone 872-50-4 | - | - | - | 20 | 150 mg/L

Chemical name | Austria | Switzerland | Poland | Norway | Ireland
---|---|---|---|---|---
1-Methyl-2-pyrrolidone 872-50-4 | - | - | - | - | 20 mg/g creatinine 70 mg/g creatinine

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  If splashes are likely to occur, wear safety glasses with side-shields.

Hand Protection  Wear suitable gloves. Impervious gloves.

Skin and body protection  Wear suitable protective clothing. Long sleeved clothing.

Environmental exposure controls  Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>8.5</td>
<td>ASTM E 70.07 (2015)</td>
<td></td>
</tr>
<tr>
<td>Melting / freezing point</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>100 °C</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td>None known</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>1.02 g/L</td>
<td>ASTM 1475-13</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Soluble in water</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
</tbody>
</table>
Section 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
Stable under normal conditions.

Explosion Data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

10.3. Possibility of hazardous reactions
Possibility of Hazardous Reactions
None under normal processing.

Hazardous Polymerization
Hazardous polymerization does not occur.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, Strong bases, Strong oxidizing agents.

10.6. Hazardous decomposition products
Carbon oxides.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation
Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May cause drowsiness or dizziness.
Eye contact
Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). Causes serious eye irritation.

Skin contact
Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).

Ingestion
Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Information on toxicological effects

Symptoms
Redness. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document

| ATEmix (oral) | 15,623.00 mg/kg |
| ATEmix (dermal) | 33,655.00 mg/kg |
| ATEmix (inhalation-dust/mist) | 65.00 mg/L |
| ATEmix (inhalation-vapor) | 477.00 mg/L |

Unknown acute toxicity
No information available

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>1-Methyl-2-pyrrolidone</td>
<td>= 3914 mg/kg (Rat)</td>
<td>= 8 g/kg (Rabbit)</td>
<td>&gt; 5.1 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Triethylamine</td>
<td>= 460 mg/kg (Rat)</td>
<td>= 415 mg/kg (Rabbit) = 570 µL/kg (Rabbit)</td>
<td>= 1250 ppm (Rat) 4 h</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystal-free</td>
<td>= 3160 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Bis (1,2,6,6-pentamethyl-4-piperidinyl) sebacate</td>
<td>= 2615 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Third Party Formulation (TP # 1172167)</td>
<td>= 4 mL/kg (Rat)</td>
<td>= 650 mg/kg (Rabbit) = 2500 µL/kg (Rabbit)</td>
<td>-</td>
</tr>
</tbody>
</table>

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. Irritating to eyes.

Respiratory or skin sensitization
No information available.

Germ cell mutagenicity
No information available.
Carcinogenicity

No information available.

Reproductive Toxicity

Classification based on data available for ingredients. Contains a known or suspected reproductive toxin.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>EU - Annex VI Reproductive</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methyl-2-pyrrolidone</td>
<td>Repr. 1B</td>
</tr>
<tr>
<td>Third Party Formulation (TP # 1172167)</td>
<td>Repr. 2</td>
</tr>
</tbody>
</table>

STOT - single exposure

May cause respiratory irritation.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Toxicity to Microorganisms</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methyl-2-pyrrolidone</td>
<td>72h EC50: &gt; 500 mg/L (Desmodesmus subspicatus)</td>
<td>96h LC50: = 1400 mg/L (Poecilia reticulata) 96h LC50: = 832 mg/L (Lepomis macrochirus) 96h LC50: = 1072 mg/L (Pimephales promelas) 96h LC50: = 4000 mg/L (Leuciscus idus)</td>
<td>-</td>
<td>48h EC50: = 4897 mg/L</td>
</tr>
<tr>
<td>Triethylamine</td>
<td>-</td>
<td>96h LC50: = 43.7 mg/L (Pimephales promelas)</td>
<td>EC50 = 127 mg/L 2 h EC50 = 95 mg/L 17 h</td>
<td>48h EC50: = 200 mg/L</td>
</tr>
<tr>
<td>Bis (1,2,6,6-pentamethyl-4-piperidinyl) sebacate</td>
<td>-</td>
<td>96h LC50: = 0.97 mg/L (Lepomis macrochirus)</td>
<td>-</td>
<td>24h EC50: = 20 mg/L</td>
</tr>
<tr>
<td>Third Party Formulation (TP # 1172167)</td>
<td>72h EC50: &gt; 500 mg/L (Desmodesmus subspicatus)</td>
<td>96h LC50: = 7500 mg/L (Lepomis macrochirus) 96h LC50: = 5741 mg/L (Pimephales promelas)</td>
<td>EC50 &gt; 10000 mg/L 17 h</td>
<td>48h EC50: &gt; 500 mg/L</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

Persistence and Degradability

No information available.
12.3. Bioaccumulative potential

Bioaccumulation

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methyl-2-pyrrolidone</td>
<td>-0.46</td>
</tr>
<tr>
<td>Triethylamine</td>
<td>1.45</td>
</tr>
<tr>
<td>Bis (1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate</td>
<td>0.37</td>
</tr>
<tr>
<td>Third Party Formulation (TP # 1172167)</td>
<td>-0.682</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>PBT and vPvB assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methyl-2-pyrrolidone</td>
<td>The substance is not PBT / vPvB</td>
</tr>
<tr>
<td>Triethylamine</td>
<td>The substance is not PBT / vPvB</td>
</tr>
<tr>
<td>Third Party Formulation (TP # 1172167)</td>
<td>The substance is not PBT / vPvB</td>
</tr>
</tbody>
</table>

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 No information available.

Other Information According to the European Waste Catalog, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION

IMDG/IMO Not regulated
14.1 UN-No. Not regulated
14.2 Proper Shipping Name Not regulated
14.3 Hazard Class N/A
14.4 Packing Group Not regulated
14.5 Marine Pollutant Not applicable
14.6 Special Provisions None
14.7 Transport in bulk No information available
according to Annex II of MARPOL and the IBC Code

RID
14.1 UN-No.  Not regulated
14.2 Proper Shipping Name  Not regulated
14.3 Hazard Class  Not regulated
14.4 Packing Group  Not regulated
14.5 Environmental hazard  Not applicable
14.6 Special Provisions  None

ADR
14.1 UN-No.  Not regulated
14.2 Proper Shipping Name  Not regulated
14.3 Hazard Class  Not regulated
14.4 Packing Group  Not regulated
14.5 Environmental hazard  Not applicable
14.6 Special Provisions  None

IATA
14.1 UN-No.  Not regulated
14.2 Proper Shipping Name  NON REGULATED
14.3 Hazard Class  N/A
14.4 Packing Group  Not regulated
14.5 Environmental hazard  Not applicable
14.6 Special Provisions  None

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>1-Methyl-2-pyrrolidone 872-50-4</td>
<td>RG 84</td>
<td>-</td>
</tr>
<tr>
<td>Triethylamine 121-44-8</td>
<td>RG 49,RG 49bis</td>
<td>-</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystal-free 112945-52-5</td>
<td>RG 5,RG 14,RG 15,RG 15bis,RG 20bis</td>
<td>-</td>
</tr>
<tr>
<td>Third Party Formulation (TP # 1172167)</td>
<td>RG 84</td>
<td>-</td>
</tr>
</tbody>
</table>

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.

Authorizations and/or restrictions on use:
This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Restricted substance per REACH Annex XVII</th>
<th>Substance subject to authorization per REACH Annex XIV</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methyl-2-pyrrolidone - 872-50-4</td>
<td>30.</td>
<td></td>
</tr>
<tr>
<td>Third Party Formulation (TP # 1172167)</td>
<td>54.</td>
<td></td>
</tr>
</tbody>
</table>

Persistent Organic Pollutants
Not applicable.

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

International Inventories
- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

Legend
- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
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- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
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15.2. Chemical safety assessment

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 sections 2 and 3
- H225 - Highly flammable liquid and vapor
- H302 - Harmful if swallowed
- 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
- H319 - Causes serious eye irritation
H332 - Harmful if inhaled  
H335 - May cause respiratory irritation  
H360D - May damage the unborn child  
H361d - Suspected of damaging the unborn child  
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  

Legend  
SVHC: Substances of Very High Concern for Authorization:  

Section 8: EXPOSURE CONTROLS/PERSOditionAL PROTECTION  
TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)  
Ceiling Maximum limit value - Skin designation  

Key literature references and sources for data  
www.ChemADVISOR.com/  

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

Disclaimer  
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End of Safety Data Sheet