

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

### 1.1 Product identifier

**Product name** : Crystal Clear  
**Product description** : Aerosol. Paint  
**Product type** : Aerosol.  
**UFI** : MV30-N0RP-F00J-5W9J

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

| Identified uses                                    |        |
|--|--------|
| Consumer use<br>Industrial use<br>Professional use |        |
| Uses advised against                               | Reason |
| None identified.                                   | -      |

### 1.3 Details of the supplier of the safety data sheet

RUST-OLEUM EUROPE  
 Martin Mathys NV, Kolenbergstraat 23, B-3545 Zelem, Belgium  
 Telephone no.: +32 (0) 13 460 200  
 Fax no.: +32 (0) 13 460 201

Tor Coatings Limited  
 Unit 21, White Rose Way, Follingsby Park, Gateshead, Tyne & Wear, NE10 8YX United Kingdom  
 Telephone no.: +44 (0) 191 4106611  
 Fax no.: +44 (0) 191 4920125  
 enquiries@tor-coatings.com

**e-mail address of person responsible for this SDS** : rpmeurohas@rustoleum.eu

### 1.4 Emergency telephone number

[National advisory body/Poison Centre](#)

[Supplier](#)

**Telephone number** : +44 870 8200418 / +44 2038073798  
**Hours of operation** : 24 / 7

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

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

Aerosol 1, H222, H229  
 Skin Irrit. 2, H315  
 Eye Irrit. 2, H319  
 STOT SE 3, H336  
 STOT RE 2, H373  
 Aquatic Chronic 3, H412

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.

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## SECTION 2: Hazards identification

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

### 2.2 Label elements

#### Hazard pictograms



#### Signal word

: Danger

#### Hazard statements

: Extremely flammable aerosol. Pressurised container: may burst if heated.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life with long lasting effects.

#### Precautionary statements

##### General

: P103 - Read carefully and follow all instructions.  
P102 - Keep out of reach of children.  
P101 - If medical advice is needed, have product container or label at hand.

##### Prevention

: P280 - Wear protective gloves. Wear eye or face protection.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P271 - Use only outdoors or in a well-ventilated area.  
P260 - Do not breathe vapour or spray.  
P251 - Do not pierce or burn, even after use.

##### Response

: Not applicable.

##### Storage

: P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

##### Disposal

: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

#### Hazardous ingredients

: acetone  
xylene (mixture of isomeres)  
hydrocarbons, C9-C12, n-/ iso-/ cyclo-alkanes, aromatics (2-25%)

#### Supplemental label elements

: Not applicable.

#### Supplemental label elements : Detergents - Regulation (EC) No 907/2006

: Not applicable.

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

: Not applicable.

#### Special packaging requirements

##### Containers to be fitted with child-resistant fastenings

: Not applicable.

##### Tactile warning of danger

: Yes, applicable.

### 2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

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## SECTION 2: Hazards identification

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

Other hazards which do not result in classification : None known.

## SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

United Kingdom: Great Britain

| Product/ingredient name  | Identifiers   | %         | Regulation (EC) No. 1272/2008 [CLP]  | Type    |
|--|---|-----------|--|---------|
| liquefied petroleum gas  | REACH #: Annex V<br>EC: 270-704-2<br>CAS: 68476-85-7<br>Index: 649-202-00-6           | ≥25 - ≤50 | Flam. Gas 1A, H220<br>Press. Gas (Liq.), H280  | [2]     |
| acetone  | REACH #:<br>01-2119471330-49<br>EC: 200-662-2<br>CAS: 67-64-1<br>Index: 606-001-00-8  | ≥25 - ≤50 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>EUH066  | [1] [2] |
| xylene (mixture of isomeres)                                     | REACH #:<br>01-2119488216-32<br>EC: 215-535-7<br>CAS: 1330-20-7                       | ≥10 - ≤25 | Flam. Liq. 3, H226<br>Acute Tox. 4, H312<br>Acute Tox. 4, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>STOT RE 2, H373<br>(oral, inhalation)<br>Asp. Tox. 1, H304<br>Flam. Liq. 3, H226<br>Acute Tox. 4, H302<br>Acute Tox. 4, H332 | [1] [2] |
| heptan-2-one   | REACH #:<br>01-2119902391-49<br>EC: 203-767-1<br>CAS: 110-43-0<br>Index: 606-024-00-3 | ≤5        | Flam. Liq. 3, H226<br>Acute Tox. 4, H302<br>Acute Tox. 4, H332   | [1] [2] |
| hydrocarbons, aromatic, C9                                       | REACH #:<br>01-2119455851-35<br>EC: 918-668-5   | ≤5        | Flam. Liq. 3, H226<br>STOT SE 3, H335<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411<br>EUH066   | [1]     |
| hydrocarbons, C9-C12, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | REACH #:<br>01-2119458049-33<br>EC: 919-446-0<br>Index: 649-330-00-2                  | ≤3        | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>STOT RE 1, H372<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411<br>EUH066   | [1]     |
| ethylbenzene   | REACH #:<br>01-2119489370-35<br>EC: 202-849-4<br>CAS: 100-41-4<br>Index: 601-023-00-4 | ≤3        | Flam. Liq. 2, H225<br>Acute Tox. 4, H332<br>STOT RE 2, H373<br>(hearing organs)<br>Asp. Tox. 1, H304<br>Aquatic Chronic 3, H412  | [1] [2] |
| n-butyl acetate  | REACH #:<br>01-2119485493-29<br>EC: 204-658-1<br>CAS: 123-86-4<br>Index: 607-025-00-1 | ≤3        | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>EUH066  | [1] [2] |

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### SECTION 3: Composition/information on ingredients

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

#### Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy

|   |                 |
|---|-----------------|
| <b>SCL (Specific Concentration Limits)</b><br>Not applicable. | Not applicable. |
|---|-----------------|

|  |                 |
|--|-----------------|
| <b>ATE (acute toxicity estimates)</b><br>Not applicable. | Not applicable. |
|--|-----------------|

|   |   |
|---|---|
| <b>Nanoform</b><br><b>Particle characteristics</b><br>This product does not contains nanomaterials. | <b>Particle Size</b><br>Not applicable. |
|---|---|

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.

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

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

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## SECTION 4: First aid measures

- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>.
- Unsuitable extinguishing media** : Do not use water jet.

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

- Hazards from the substance or mixture** : Extremely flammable aerosol. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

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## SECTION 5: Firefighting measures

**Hazardous combustion products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

### 5.3 Advice for firefighters

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

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

**Additional information** : Pressurised container: may burst if heated. Bursting aerosol containers may be propelled from a fire at high speed. Do not puncture, incinerate or store the container at temperatures above 49°C (120°F) or in direct sunlight.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

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

### 6.2 Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

### 6.3 Methods and material for containment and cleaning up

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

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

### 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.

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## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance.

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Pressurised container: protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use. Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

Do not store above the following temperature: 35°C (95°F). Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

#### Seveso Directive - Reporting thresholds

##### Danger criteria

| Category | Notification and MAPP threshold | Safety report threshold |
|----------|---------------------------------|-------------------------|
| P3a      | 150 tonne                       | 500 tonne               |

### 7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

#### Occupational exposure limits

##### United Kingdom: Great Britain

| Product/ingredient name      | Exposure limit values  |
|------------------------------|--|
| liquefied petroleum gas      | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b><br>STEL: 2180 mg/m <sup>3</sup> 15 minutes.<br>STEL: 1250 ppm 15 minutes.<br>TWA: 1750 mg/m <sup>3</sup> 8 hours.<br>TWA: 1000 ppm 8 hours. |
| acetone                      | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b><br>STEL: 3620 mg/m <sup>3</sup> 15 minutes.<br>STEL: 1500 ppm 15 minutes.<br>TWA: 500 ppm 8 hours.<br>TWA: 1210 mg/m <sup>3</sup> 8 hours.  |
| xylene (mixture of isomeres) | <b>EH40/2005 WELs (United Kingdom (UK), 8/2018). Absorbed</b>  |

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## SECTION 8: Exposure controls/personal protection

|                 |  |
|-----------------|--|
| heptan-2-one    | <p>through skin.<br/>                     STEL: 441 mg/m<sup>3</sup> 15 minutes.<br/>                     STEL: 100 ppm 15 minutes.<br/>                     TWA: 220 mg/m<sup>3</sup> 8 hours.<br/>                     TWA: 50 ppm 8 hours.</p> <p><b>EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin.</b><br/>                     STEL: 475 mg/m<sup>3</sup> 15 minutes.<br/>                     STEL: 100 ppm 15 minutes.<br/>                     TWA: 237 mg/m<sup>3</sup> 8 hours.<br/>                     TWA: 50 ppm 8 hours.</p> |
| ethylbenzene    | <p><b>EH40/2005 WELs (United Kingdom (UK), 8/2018). Absorbed through skin.</b><br/>                     STEL: 552 mg/m<sup>3</sup> 15 minutes.<br/>                     STEL: 125 ppm 15 minutes.<br/>                     TWA: 441 mg/m<sup>3</sup> 8 hours.<br/>                     TWA: 100 ppm 8 hours.</p>   |
| n-butyl acetate | <p><b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b><br/>                     STEL: 966 mg/m<sup>3</sup> 15 minutes.<br/>                     STEL: 200 ppm 15 minutes.<br/>                     TWA: 724 mg/m<sup>3</sup> 8 hours.<br/>                     TWA: 150 ppm 8 hours.</p>  |

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. 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.

### DNELs/DMELs

| Product/ingredient name      | Type | Exposure              | Value                  | Population         | Effects  |
|------------------------------|------|-----------------------|------------------------|--------------------|----------|
| acetone                      | DNEL | Long term Oral        | 62 mg/kg bw/day        | General population | Systemic |
|                              | DNEL | Long term Dermal      | 62 mg/kg bw/day        | General population | Systemic |
|                              | DNEL | Long term Dermal      | 186 mg/kg bw/day       | Workers            | Systemic |
|                              | DNEL | Long term Inhalation  | 200 mg/m <sup>3</sup>  | General population | Systemic |
|                              | DNEL | Long term Inhalation  | 1210 mg/m <sup>3</sup> | Workers            | Systemic |
| xylene (mixture of isomeres) | DNEL | Short term Inhalation | 2420 mg/m <sup>3</sup> | Workers            | Local    |
|                              | DNEL | Short term Inhalation | 442 mg/m <sup>3</sup>  | Workers            | Local    |
|                              | DNEL | Long term Inhalation  | 221 mg/m <sup>3</sup>  | Workers            | Local    |
|                              | DNEL | Long term Dermal      | 212 mg/kg bw/day       | Workers            | Systemic |
|                              | DNEL | Long term Inhalation  | 65,3 mg/m <sup>3</sup> | General population | Systemic |
|                              | DNEL | Long term Dermal      | 125 mg/kg bw/day       | General population | Systemic |



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

|  |                  |                       |                                |                                |                                |          |
|--|------------------|-----------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| hydrocarbons, C9-C12, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | DNEL             | Long term Oral        | 125 mg/kg bw/day               | General population             | Systemic                       |          |
|  | DNEL             | Long term Dermal      | 44 mg/kg bw/day                | Workers                        | Systemic                       |          |
|  | DNEL             | Long term Inhalation  | 330 mg/m <sup>3</sup>          | Workers                        | Systemic                       |          |
|  | DNEL             | Long term Inhalation  | 71 mg/m <sup>3</sup>           | General population [Consumers] | Systemic                       |          |
|  | DNEL             | Long term Oral        | 26 mg/kg bw/day                | General population [Consumers] | Systemic                       |          |
|  | DNEL             | Long term Dermal      | 26 mg/kg bw/day                | General population [Consumers] | Systemic                       |          |
|  | ethylbenzene     | DNEL                  | Long term Inhalation           | 77 mg/m <sup>3</sup>           | Workers                        | Systemic |
|  |                  | DNEL                  | Long term Dermal               | 180 mg/kg bw/day               | Workers                        | Systemic |
|  |                  | DNEL                  | Long term Inhalation           | 15 mg/m <sup>3</sup>           | General population [Consumers] | Systemic |
|  |                  | DNEL                  | Long term Oral                 | 1,6 mg/kg bw/day               | General population [Consumers] | Systemic |
| n-butyl acetate  | DNEL             | Long term Dermal      | 7 mg/kg bw/day                 | Workers                        | Systemic                       |          |
|  | DNEL             | Long term Oral        | 3,4 mg/kg bw/day               | General population [Consumers] | Systemic                       |          |
|  | DNEL             | Short term Inhalation | 960 mg/m <sup>3</sup>          | Workers                        | Systemic                       |          |
|  | DNEL             | Short term Inhalation | 960 mg/m <sup>3</sup>          | Workers                        | Local                          |          |
|  | DNEL             | Long term Inhalation  | 480 mg/m <sup>3</sup>          | Workers                        | Systemic                       |          |
|  | DNEL             | Long term Inhalation  | 480 mg/m <sup>3</sup>          | Workers                        | Local                          |          |
|  | DNEL             | Short term Inhalation | 859,7 mg/m <sup>3</sup>        | General population [Consumers] | Systemic                       |          |
|  | DNEL             | Short term Inhalation | 859,7 mg/m <sup>3</sup>        | General population [Consumers] | Local                          |          |
|  | DNEL             | Long term Inhalation  | 102,34 mg/m <sup>3</sup>       | General population [Consumers] | Systemic                       |          |
|  | DNEL             | Long term Inhalation  | 102,34 mg/m <sup>3</sup>       | General population [Consumers] | Local                          |          |
| DNEL   | Long term Dermal | 3,4 mg/kg bw/day      | General population [Consumers] | Systemic                       |                                |          |

**PNECs**

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## SECTION 8: Exposure controls/personal protection

| Product/ingredient name      | Compartment Detail     | Value        | Method Detail            |
|------------------------------|------------------------|--------------|--------------------------|
| xylene (mixture of isomeres) | Fresh water            | 0,327 mg/l   | Sensitivity Distribution |
|                              | Marine water           | 0,327 mg/l   | Sensitivity Distribution |
|                              | Fresh water sediment   | 12,46 mg/kg  | Equilibrium Partitioning |
|                              | Marine water sediment  | 12,46 mg/kg  | Equilibrium Partitioning |
|                              | Soil                   | 2,31 mg/kg   | Equilibrium Partitioning |
|                              | Sewage Treatment Plant | 6,58 mg/l    | -                        |
| ethylbenzene                 | Fresh water            | 0,1 mg/l     | -                        |
|                              | Marine water           | 0,01 mg/l    | -                        |
|                              | Fresh water sediment   | 13,7 mg/kg   | -                        |
|                              | Marine water sediment  | 1,37 mg/kg   | -                        |
|                              | Soil                   | 2,68 mg/kg   | -                        |
|                              | Sewage Treatment Plant | 9,6 mg/l     | -                        |
| n-butyl acetate              | Fresh water            | 0,18 mg/l    | -                        |
|                              | Marine                 | 0,018 mg/l   | -                        |
|                              | Fresh water sediment   | 0,981 mg/kg  | -                        |
|                              | Marine water sediment  | 0,0981 mg/kg | -                        |
|                              | Soil                   | 0,0903 mg/kg | -                        |
|                              | Sewage Treatment Plant | 35,6 mg/l    | -                        |

### 8.2 Exposure controls

#### Appropriate engineering controls

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

#### Individual protection measures

##### Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

##### Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Use eye protection according to EN 166. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. Recommended: safety glasses with side-shields (EN 166)

##### Skin protection

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 material.

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

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.

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## SECTION 8: Exposure controls/personal protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.  
Recommended: > 8 hours (breakthrough time): For prolonged or repeated handling, use the following type of gloves: neoprene.  
The recommendation for the type or types of glove to use when handling this product is based on information from the following source: EN374. 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** : 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. Recommended: disposable overall (EN 1149-1) . Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: organic vapour (Type A) and particulate filter (as filter combination A-P2). (EN 140)
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

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

### 9.1 Information on basic physical and chemical properties

- Physical state** : Liquid. [Aerosol.]
- Colour** : Colourless. [Light]
- Odour** : Solvent-like [Slight]
- Odour threshold** : Not available.
- Melting point/freezing point** : Not available.
- Initial boiling point and boiling range** : Not available.
- Flammability (solid, gas)** : Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.  
Slightly flammable in the presence of the following materials or conditions: shocks and mechanical impacts.  
In use, may form flammable/explosive vapour-air mixture. Vapour may travel a considerable distance to source of ignition and flash back.

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## SECTION 9: Physical and chemical properties

|   |  |
|---|--|
| <b>Upper/lower flammability or explosive limits</b> | : Not available.   |
| <b>Flash point</b>                                  | : Closed cup: -70°C (-94°F)  |
| <b>Auto-ignition temperature</b>                    | : Not available.   |
| <b>Decomposition temperature</b>                    | : Not available.   |
| <b>pH</b>   | : Not applicable.  |
| <b>pH : Justification</b>                           | : Product is non-soluble (in water).   |
| <b>Viscosity</b>                                    | : Not available.   |
| <b>Solubility(ies)</b>                              | : Not available.   |
| <b>Solubility in water</b>                          | : Not available.   |
| <b>Partition coefficient: n-octanol/ water</b>      | : Not applicable.  |
| <b>Vapour pressure</b>                              | : 400 kPa (3000 mm Hg)   |
| <b>Evaporation rate</b>                             | : Not available.   |
| <b>Relative density</b>                             | : 0,7 to 0,8   |
| <b>Density</b>                                      | : 0,71446 g/cm <sup>3</sup> [20°C (68°F)]  |
| <b>Vapour density</b>                               | : Not available.   |
| <b>Explosive properties</b>                         | : Highly explosive in the presence of the following materials or conditions: open flames, sparks and static discharge, heat and shocks and mechanical impacts. Pressurised container: protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use. Do not puncture, incinerate or store the container at temperatures above 49°C (120°F) or in direct sunlight. Container explosion may occur under fire conditions or when heated. Bursting aerosol containers may be propelled from a fire at high speed. |
| <b>Oxidising properties</b>                         | : Not available.   |
| <b><u>Particle characteristics</u></b>              |  |
| <b>Median particle size</b>                         | : Not applicable.  |
| <b>9.2 Other information</b>                        |  |
| <b>Heat of combustion</b>                           | : 13,08 kJ/g   |
| <b><u>Aerosol product</u></b>                       |  |
| <b>Type of aerosol</b>                              | : Spray  |

## SECTION 10: Stability and reactivity

|  |   |
|--|---|
| <b>10.1 Reactivity</b>                         | : No specific test data related to reactivity available for this product or its ingredients.  |
| <b>10.2 Chemical stability</b>                 | : The product is stable.  |
| <b>10.3 Possibility of hazardous reactions</b> | : Under normal conditions of storage and use, hazardous reactions will not occur.   |
| <b>10.4 Conditions to avoid</b>                | : Avoid all possible sources of ignition (spark or flame).  |
| <b>10.5 Incompatible materials</b>             | : No specific data.   |
| <b>10.6 Hazardous decomposition products</b>   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. If involved in a fire, toxic gases including CO, CO <sub>2</sub> and smoke can be generated. |

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## SECTION 11: Toxicological information

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

#### Acute toxicity

| Product/ingredient name  | Result                             | Species                  | Dose                    | Exposure |
|--|------------------------------------|--------------------------|-------------------------|----------|
| acetone  | LD50 Dermal                        | Guinea pig               | >7400 mg/kg             | -        |
|  | LD50 Dermal                        | Rabbit                   | >7400 mg/kg             | -        |
|  | LD50 Oral                          | Rat                      | 5800 mg/kg              | -        |
| xylene (mixture of isomeres)   | LC50 Inhalation Gas.               | Rat                      | 5000 ppm                | 4 hours  |
|  | LC50 Inhalation Gas.               | Rat                      | 6670 ppm                | 4 hours  |
|  | LC50 Inhalation Vapour             | Rat                      | 29091 mg/m <sup>3</sup> | 4 hours  |
|  | LD50 Dermal                        | Rabbit                   | 4,2 g/kg                | -        |
|  | LD50 Oral                          | Rat                      | 4300 mg/kg              | -        |
|  | TDLo Dermal                        | Rabbit                   | 4300 mg/kg              | -        |
| heptan-2-one   | LCLo Inhalation Vapour             | Rat                      | 4000 ppm                | 4 hours  |
|  | LD50 Oral                          | Rat                      | 1600 mg/kg              | -        |
| hydrocarbons, aromatic, C9<br>hydrocarbons, C9-C12, n-/<br>iso-/ cyclo-alkanes,<br>aromatics (2-25%) | LD50 Oral                          | Rat                      | 8400 mg/kg              | -        |
|  | LC50 Inhalation Vapour             | Rat                      | 13,1 mg/l               | 4 hours  |
| ethylbenzene   | LD50 Dermal                        | Rabbit                   | >3200 mg/kg             | -        |
|  | LD50 Dermal                        | Rat                      | >3400 mg/kg             | -        |
|  | LD50 Oral                          | Rat                      | >5000 mg/kg             | -        |
|  | LC50 Inhalation Vapour             | Rat - Male               | 17,6 mg/l               | 4 hours  |
|  | LD50 Dermal                        | Rabbit - Male,<br>Female | 15400 mg/kg             | -        |
|  | LD50 Oral                          | Rat                      | 3500 mg/kg              | -        |
| n-butyl acetate  | LC50 Inhalation Dusts and<br>mists | Rat - Male,<br>Female    | 23,4 mg/l               | 4 hours  |
|  | LC50 Inhalation Vapour             | Rat                      | >21 mg/l                | 4 hours  |
|  | LC50 Inhalation Vapour             | Rat                      | 9700 mg/m <sup>3</sup>  | 4 hours  |
|  | LD50 Oral                          | Rat                      | 14000 mg/kg             | -        |

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

#### Acute toxicity estimates

| Product/ingredient name      | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|------------------------------|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| xylene (mixture of isomeres) | 4300         | 1100           | N/A                      | 11                          | N/A                                 |
| heptan-2-one                 | 1600         | N/A            | N/A                      | 11                          | N/A                                 |
| hydrocarbons, aromatic, C9   | 8400         | N/A            | N/A                      | N/A                         | N/A                                 |
| ethylbenzene                 | N/A          | N/A            | N/A                      | 11                          | N/A                                 |
| n-butyl acetate              | N/A          | N/A            | N/A                      | N/A                         | 23,4                                |

#### Irritation/Corrosion

| Product/ingredient name      | Result                   | Species | Score | Exposure                | Observation |
|------------------------------|--------------------------|---------|-------|-------------------------|-------------|
| acetone                      | Eyes - Severe irritant   | Rabbit  | -     | 20 mg                   | -           |
| xylene (mixture of isomeres) | Eyes - Mild irritant     | Rabbit  | -     | 87 milligrams           | -           |
|                              | Eyes - Severe irritant   | Rabbit  | -     | 24 hours 5 milligrams   | -           |
|                              | Skin - Mild irritant     | Rat     | -     | 8 hours 60 microliters  | -           |
| heptan-2-one                 | Skin - Moderate irritant | Rabbit  | -     | 24 hours 500 milligrams | -           |
|                              | Skin - Moderate irritant | Rabbit  | -     | 100 Percent             | -           |
|                              | Eyes - Moderate irritant | Rabbit  | -     | -                       | -           |
| hydrocarbons, aromatic, C9   | Skin - Mild irritant     | Rabbit  | -     | 24 hours 14 milligrams  | -           |
|                              | Eyes - Mild irritant     | Rabbit  | -     | 24 hours 100            | -           |

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## SECTION 11: Toxicological information

|  |   |                  |        |                        |        |
|--|---|------------------|--------|------------------------|--------|
| hydrocarbons, C9-C12, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | Skin - Erythema/Eschar                          | Rabbit           | 1      | UI                     | -      |
| ethylbenzene   | Eyes - Cornea opacity<br>Eyes - Severe irritant | Rabbit<br>Rabbit | 1<br>- | -<br>500 milligrams    | -<br>- |
|  | Skin - Mild irritant                            | Rabbit           | -      | 24 hours 15 milligrams | -      |

### Conclusion/Summary

- Skin** : Causes skin irritation.
- Eyes** : Causes serious eye irritation.
- Respiratory** : May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure if inhaled.

### Sensitisation

| Product/ingredient name  | Route of exposure | Species | Result          |
|--|-------------------|---------|-----------------|
| hydrocarbons, C9-C12, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | skin              | Rabbit  | Not sensitizing |

### Conclusion/Summary

- Skin** : Based on available data, the classification criteria are not met.
- Respiratory** : Based on available data, the classification criteria are not met.

### Mutagenicity

| Product/ingredient name  | Test                     | Experiment        | Result   |
|--|--------------------------|-------------------|----------|
| hydrocarbons, C9-C12, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | OECD 471,473,474,475,479 | Subject: Bacteria | Negative |

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Carcinogenicity

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Reproductive toxicity

| Product/ingredient name    | Maternal toxicity | Fertility | Developmental toxin | Species                      | Dose                         | Exposure |
|----------------------------|-------------------|-----------|---------------------|------------------------------|------------------------------|----------|
| hydrocarbons, aromatic, C9 | -                 | -         | Negative            | Mammal - species unspecified | Route of exposure unreported | -        |

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Teratogenicity

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Specific target organ toxicity (single exposure)

| Product/ingredient name  | Category                 | Route of exposure | Target organs                        |
|--|--------------------------|-------------------|--------------------------------------|
| acetone  | Category 3               | -                 | Narcotic effects                     |
| xylene   | Category 3               | -                 | Respiratory tract irritation         |
| hydrocarbons, aromatic, C9                                       | Category 3               | -                 | Respiratory tract irritation         |
| hydrocarbons, C9-C12, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | Category 3<br>Category 3 | -                 | Narcotic effects<br>Narcotic effects |

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## SECTION 11: Toxicological information

|                 |            |   |                  |
|-----------------|------------|---|------------------|
| n-butyl acetate | Category 3 | - | Narcotic effects |
|-----------------|------------|---|------------------|

### Specific target organ toxicity (repeated exposure)

| Product/ingredient name  | Category   | Route of exposure | Target organs  |
|--|------------|-------------------|----------------|
| xylene   | Category 2 | oral, inhalation  | -              |
| hydrocarbons, C9-C12, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | Category 1 | -                 | -              |
| ethylbenzene   | Category 2 | -                 | hearing organs |

### Aspiration hazard

| Product/ingredient name  | Result                         |
|--|--------------------------------|
| xylene (mixture of isomeres)                                     | ASPIRATION HAZARD - Category 1 |
| hydrocarbons, aromatic, C9                                       | ASPIRATION HAZARD - Category 1 |
| hydrocarbons, C9-C12, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | ASPIRATION HAZARD - Category 1 |
| ethylbenzene   | ASPIRATION HAZARD - Category 1 |

**Information on likely routes of exposure** : Routes of entry anticipated: Dermal, Inhalation.  
Routes of entry not anticipated: Oral.

### Potential acute health effects

**Eye contact** : Causes serious eye irritation.

**Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.

**Skin contact** : Causes skin irritation.

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

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

**Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness

**Skin contact** : Adverse symptoms may include the following:  
irritation  
redness

**Ingestion** : No specific data.

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

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

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## SECTION 11: Toxicological information

### Potential chronic health effects

Not available.

- Conclusion/Summary** : Based on available data, the classification criteria are not met.  
**General** : May cause damage to organs through prolonged or repeated exposure.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Reproductive toxicity** : No known significant effects or critical hazards.

**Endocrine disrupting properties** : Not available.

**Other information** : Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

| Product/ingredient name  | Result                                    | Species                                    | Exposure |
|--|---|--|----------|
| acetone  | Acute LC50 8098000 µg/l Fresh water       | Crustaceans - Ceriodaphnia dubia - Neonate | 48 hours |
|  | Acute LC50 7280000 µg/l Fresh water       | Fish - Pimephales promelas                 | 96 hours |
|  | Chronic NOEC 0,5 ml/L Marine water        | Algae - Karenia brevis                     | 96 hours |
|  | Chronic NOEC 0,016 ml/L Fresh water       | Crustaceans - Daphniidae                   | 21 days  |
|  | Chronic NOEC 1 g/L Fresh water            | Daphnia spec. - Daphnia magna              | 21 days  |
|  | Chronic NOEC 5 µg/l Marine water          | Fish - Gasterosteus aculeatus - Larvae     | 42 days  |
| xylene (mixture of isomeres)                                     | Acute EC50 1,3 mg/l Fresh water           | Algae                                      | 72 hours |
|  | Acute LC50 1 mg/l Fresh water             | Daphnia spec.                              | 24 hours |
|  | Acute NOEC 0,44 mg/l                      | Algae                                      | 72 hours |
|  | Chronic NOEC 0,96 mg/l Fresh water        | Daphnia spec.                              | 21 days  |
| heptan-2-one   | Acute LC50 137 to 131000 µg/l Fresh water | Fish - Pimephales promelas                 | 96 hours |
|  | Acute EC50 10 to 22 mg/l                  | Daphnia spec.                              | 48 hours |
| hydrocarbons, C9-C12, n-/ iso-/ cyclo-alkanes, aromatics (2-25%) | Acute IC50 4,6 to 10 mg/l                 | Algae - Pseudokirchneriella subcapitata    | 72 hours |
|  | Acute LC50 10 to 30 mg/l                  | Fish                                       | 96 hours |
|  | Acute NOEC 1 mg/l                         | Algae - Pseudokirchneriella subcapitata    | 72 hours |
| ethylbenzene   | Acute EC50 7700 µg/l Marine water         | Algae - Skeletonema costatum               | 96 hours |
|  | Acute EC50 3600 µg/l Fresh water          | Algae - Pseudokirchneriella subcapitata    | 96 hours |
|  | Acute EC50 2,6 mg/l Fresh water           | Daphnia spec.                              | 48 hours |
|  | Acute LC50 5,1 mg/l Marine water          | Fish                                       | 96 hours |
| n-butyl acetate  | Acute LC50 4200 µg/l Fresh water          | Fish - Oncorhynchus mykiss                 | 96 hours |
|  | Acute EC50 397 mg/l Fresh water           | Algae - Desmodesmus subspicatus            | 72 hours |
|  | Acute EC50 44 mg/l Fresh water            | Daphnia spec.                              | 48 hours |
|  | Acute LC50 18 mg/l Fresh water            | Fish - Pimephales promelas                 | 96 hours |
|  | Chronic NOEC 23 mg/l Fresh water          | Daphnia spec.                              | 21 days  |

**Conclusion/Summary** : Harmful to aquatic life with long lasting effects.

### 12.2 Persistence and degradability



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## SECTION 12: Ecological information

| Product/ingredient name   | Test      | Result                     | Dose | Inoculum |
|---|-----------|----------------------------|------|----------|
| xylene (mixture of isomeres)                                    | -         | 90 % - Readily - 5 days    | -    | -        |
|   | OECD 301F | 87,8 % - 28 days           | -    | -        |
| hydrocarbons, C9-C12, n-/iso-/ cyclo-alkanes, aromatics (2-25%) | -         | 74,7 % - Readily - 28 days | -    | -        |
| ethylbenzene  | OECD 301E | 100 % - 6 days             | -    | -        |
| n-butyl acetate   | -         | 90 % - Readily - 28 days   | -    | -        |
|   | OECD 301D | 83 % - Readily - 28 days   | -    | -        |
|   | -         | 80 % - 5 days              | -    | -        |

**Conclusion/Summary** : This product has not been tested for biodegradation. Based on available data, the classification criteria are not met.

| Product/ingredient name   | Aquatic half-life | Photolysis | Biodegradability |
|---|-------------------|------------|------------------|
| acetone   | -                 | -          | Readily          |
| xylene (mixture of isomeres)                                    | -                 | -          | Readily          |
| hydrocarbons, aromatic, C9                                      | -                 | -          | Readily          |
| hydrocarbons, C9-C12, n-/iso-/ cyclo-alkanes, aromatics (2-25%) | -                 | -          | Readily          |
| ethylbenzene  | -                 | -          | Readily          |
| n-butyl acetate   | -                 | -          | Readily          |

### 12.3 Bioaccumulative potential

| Product/ingredient name      | LogP <sub>ow</sub> | BCF         | Potential |
|------------------------------|--------------------|-------------|-----------|
| acetone                      | -0,23              | -           | low       |
| xylene (mixture of isomeres) | 3,12               | 8.1 to 25.9 | low       |
| heptan-2-one                 | 2,26               | -           | low       |
| hydrocarbons, aromatic, C9   | 3.7 to 4.5         | 10 to 2500  | high      |
| ethylbenzene                 | 3,6                | 15          | low       |
| n-butyl acetate              | 2,3                | 10          | low       |

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Volatile. This product is likely to volatilise rapidly into the air because of its high vapour pressure.

### 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** : No known significant effects or critical hazards.

**12.7 Other adverse effects** : No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance.

### 13.1 Waste treatment methods

#### Product

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## SECTION 13: Disposal considerations

**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.

### European waste catalogue (EWC)

| Waste code | Waste designation   |
|------------|---|
| 20 01 27*  | paint, inks, adhesives and resins containing hazardous substances |

**Special precautions** : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

## SECTION 14: Transport information

|  | ADR/RID  | ADN  | IMDG  | IATA   |
|--|--|--|---|--|
| <b>14.1 UN number or ID number</b>     | UN1950   | UN1950   | UN1950  | UN1950   |
| <b>14.2 UN proper shipping name</b>    | AEROSOLS<br>Flammable  | AEROSOLS,<br>flammable   | AEROSOLS<br>Flammable   | AEROSOLS,<br>flammable   |
| <b>14.3 Transport hazard class(es)</b> | 2<br> | 2<br> | 2.1<br>     | 2.1<br>   |
| <b>14.4 Packing group</b>              | -  | -  | -   | -  |
| <b>14.5 Environmental hazards</b>      | No.  | No.  | No.   | No.  |
| <b>Additional information</b>          | <b>Limited quantity</b> : ≤1L<br><b>Tunnel code</b> (D)                                  |  | <b>Emergency schedules</b> F-D, S-U<br><b>Remarks</b> : ≤ 1L:<br>Limited Quantity -<br>IMDG 3.4 | <b>Quantity limitation</b><br>Passenger and Cargo Aircraft: 75 kg.<br>Packaging instructions: 203.<br>Cargo Aircraft Only: 150 kg. Packaging instructions: 203.<br>Limited Quantities - Passenger Aircraft: 30 kg. Packaging instructions: Y203. |

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to IMO instruments** : Not available.

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU Regulation (EC) No. 1907/2006 (REACH)

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

###### Annex XIV

None of the components are listed.

###### Substances of very high concern

None of the components are listed.

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

#### Other EU regulations

**VOC** : Exempt

**VOC for Ready-for-Use Mixture** : Exempt

**Industrial emissions (integrated pollution prevention and control) - Air** : Listed

**Industrial emissions (integrated pollution prevention and control) - Water** : Not listed

#### Ozone depleting substances (1005/2009/EC)

Not listed.

#### Prior Informed Consent (PIC) (649/2012/EC)

Not listed.

#### Persistent Organic Pollutants (850/2004/EC)

Not listed.

#### UKCA mark



Extremely flammable

#### Seveso Directive

This product is controlled under the Seveso Directive.

#### Danger criteria

**Category**

P3a

#### National regulations

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## SECTION 15: Regulatory information

| Product/ingredient name | List name                                  | Name on list                 | Classification | Notes |
|-------------------------|--|------------------------------|----------------|-------|
| liquefied petroleum gas | UK Occupational Exposure Limits EH40 - WEL | liquefied petroleum gas; LPG | Carc.          | -     |

### United Kingdom: Great Britain

**References** : EH40/2005 Workplace exposure limits  
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2020/878  
REGULATION (EU) 2016/425 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC

### International regulations

#### Stockholm Convention on Persistent Organic Pollutants

| List name   | Ingredient name | Status |
|-------------|-----------------|--------|
| Not listed. |                 |        |

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

| List name   | Ingredient name | Status |
|-------------|-----------------|--------|
| Not listed. |                 |        |

**CN code** : 3208 20 90 00

#### Inventory list

**Australia** : Not determined.  
**Canada** : Not determined.  
**China** : All components are listed or exempted.  
**Europe** : All components are listed or exempted.  
**Japan** : **Japan inventory (CSCL)**: Not determined.  
**Japan inventory (ISHL)**: Not determined.  
**New Zealand** : Not determined.  
**Philippines** : Not determined.  
**Republic of Korea** : Not determined.  
**Taiwan** : Not determined.  
**Thailand** : Not determined.  
**Turkey** : Not determined.  
**United States** : Not determined.  
**Viet Nam** : Not determined.

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

## SECTION 16: Other information

📄 Indicates information that has changed from previously issued version.

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## SECTION 16: Other information

**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
- N/A = Not available
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number
- SGG = Segregation Group
- vPvB = Very Persistent and Very Bioaccumulative

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

| Classification  | Justification   |
|---|---|
| Aerosol 1, H222, H229<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>STOT RE 2, H373<br>Aquatic Chronic 3, H412 | Expert judgment<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method |

### Full text of abbreviated H statements

#### United Kingdom: Great Britain

| Full text of abbreviated H statements |  |
|---------------------------------------|--|
| H220                                  | Extremely flammable gas.   |
| H222, H229                            | Extremely flammable aerosol. Pressurised container: may burst if heated. |
| H225                                  | Highly flammable liquid and vapour.                                      |
| H226                                  | Flammable liquid and vapour.   |
| H280                                  | Contains gas under pressure; may explode if heated.                      |
| H302                                  | Harmful if swallowed.  |
| H304                                  | May be fatal if swallowed and enters airways.                            |
| H312                                  | Harmful in contact with skin.  |
| H315                                  | Causes skin irritation.  |
| H319                                  | Causes serious eye irritation.   |
| H332                                  | Harmful if inhaled.  |
| H335                                  | May cause respiratory irritation.  |
| H336                                  | May cause drowsiness or dizziness.                                       |
| H372                                  | Causes damage to organs through prolonged or repeated exposure.          |
| H373                                  | May cause damage to organs through prolonged or repeated exposure.       |
| 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. 4      | ACUTE TOXICITY - Category 4                                     |
| Aerosol 1         | AEROSOLS - Category 1   |
| Aquatic Chronic 2 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2                 |
| Aquatic Chronic 3 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3                 |
| Asp. Tox. 1       | ASPIRATION HAZARD - Category 1                                  |
| Eye Irrit. 2      | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2                  |
| Flam. Gas 1A      | FLAMMABLE GASES - Category 1A                                   |
| Flam. Liq. 2      | FLAMMABLE LIQUIDS - Category 2                                  |
| Flam. Liq. 3      | FLAMMABLE LIQUIDS - Category 3                                  |
| Press. Gas (Liq.) | GASES UNDER PRESSURE - Liquefied gas                            |
| Skin Irrit. 2     | SKIN CORROSION/IRRITATION - Category 2                          |
| STOT RE 1         | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1 |

Crystal Clear

## SECTION 16: Other information

|           |   |
|-----------|---|
| STOT RE 2 | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 |
| STOT SE 3 | SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3   |

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### Notice to reader

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