PAINTS, PRIMERS AND SPECIALISED COATINGS

# SAFETY DATA SHEET

# 380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

### 1.1. Product identifier

**Product name** 380/Q127 - HAMMERCOTE SMOOTH ENAMEL AEROSOL - ALL COLOURS

**Product number** 380/Q127/ All colours

**UFI** UFI: 2P1Q-K20R-N00Q-7S1P

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

**Identified uses** Paint.

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

**Supplier**

| | |
|---|---|
| COO-VAR | TEAL & MACKRILL EU B.V. |
| Lockwood Street | Queens Towers |
| Hull | Deflandlaan 1 |
| HU2 0HN | 1062 EA Amsterdam |
| UK | The Netherlands |
| +441482328053 (T) | +31 (0)208 004828 (T) |
| +441482219266 (F) | +441482219266 (F) |
| info@coo-var.co.uk | info@coo-var.co.uk |

**Contact person** Technical Department -, 08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri, as above

### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 1482 328053 Coo-Var (08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri)

**National emergency telephone number** 0344 892 0111

**SDS No.** 20669 (replaces 11393)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification (EC 1272/2008)**

**Physical hazards** Aerosol 1 - H222, H229

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H336

**Environmental hazards** Not Classified

**Human health** Gas or vapour is harmful on prolonged exposure or in high concentration. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Deliberately concentrating and inhaling contents of ths container is dangerous and can be fatal.

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**Environmental**

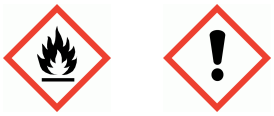
The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See Section 12 for additional information on ecological hazards.

**Physicochemical**

Aerosol containers can explode when heated, due to excessive pressure build-up. The product is extremely flammable. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

## 2.2. Label elements

**Hazard pictograms**



**Signal word**

Danger

**Hazard statements**

H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
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.
P251 Do not pierce or burn, even after use.
P260 Do not breathe vapour/ spray.
P262 Do not get in eyes, on skin, or on clothing.
P271 Use only outdoors or in a well-ventilated area.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/ container in accordance with national regulations.

**Supplemental label information**

EUH066 Repeated exposure may cause skin dryness or cracking.

**Contains**

ACETONE

## 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS** **30-60%**

CAS number: 68476-85-7 EC number: 270-704-2

| Classification | Classification (67/548/EEC or 1999/45/EC) |
|---|---|
| Flam. Gas 1A - H220<br>Press. Gas (Liq.) - H280 | F+;R12 Carc. Cat. 1;R45 Muta. Cat. 2;R46 |

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**ACETONE** **10-30%**

CAS number: 67-64-1 EC number: 200-662-2 REACH registration number: 01-2119471330-49-0000

**Classification**
Flam. Liq. 2 - H225
Eye Irrit. 2 - H319
STOT SE 3 - H336

**XYLENE** **10-30%**

CAS number: 1330-20-7 EC number: 215-535-7 REACH registration number: 01-2119488216-32-xxxx

**ETHYLBENZENE** **1-5%**

CAS number: 100-41-4 EC number: 202-849-4

**Classification**
Flam. Liq. 2 - H225
Acute Tox. 4 - H332
STOT RE 2 - H373
Asp. Tox. 1 - H304
Aquatic Chronic 3 - H412

**XYLENE** **1-5%**

CAS number: 1330-20-7 EC number: 215-535-7 REACH registration number: 01-2119488216-32-0000

**Classification**
Flam. Liq. 3 - H226
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
STOT SE 3 - H335
STOT RE 2 - H373
Asp. Tox. 1 - H304
Aquatic Chronic 3 - H412

**HYDROCARBONS, C9, AROMATICS** **<1%**

CAS number: — EC number: 918-668-5 REACH registration number: 01-2119455851-35-xxxx

**Classification**
Flam. Liq. 3 - H226
STOT SE 3 - H335, H336
Asp. Tox. 1 - H304
Aquatic Chronic 2 - H411

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**STYRENE** **<1%**

CAS number: 100-42-5 EC number: 202-851-5 REACH registration number: 01-2119457861-32-0000

**Classification**
Flam. Liq. 3 - H226
Acute Tox. 4 - H332
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Repr. 2 - H361
STOT SE 3 - H335
STOT RE 1 - H372
Asp. Tox. 1 - H304
Aquatic Chronic 3 - H412

**PHTHALIC ANHYDRIDE** **<1%**

CAS number: 85-44-9 EC number: 201-607-5 REACH registration number: 01-2119457017-41-0000

**Classification**
Acute Tox. 4 - H302
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
Resp. Sens. 1 - H334
Skin Sens. 1 - H317
STOT SE 3 - H335

**Dipropylene Glycol Methyl Ether** **<1%**

CAS number: 34590-94-8 EC number: 252-104-2 REACH registration number: 01-2119450011-60-XXXX

**Classification** **Classification (67/548/EEC or 1999/45/EC)**
Not Classified -

**2,6-Di-tert-butyl-p-cresol** **<1%**

CAS number: 128-37-0 EC number: 204-881-4 REACH registration number: 01-2119565113-46-xxxx

M factor (Acute) = 1

**Classification**
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General information** Move affected person to fresh air at once.

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| | |
|---|---|
| **Inhalation** | If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately. |
| **Ingestion** | Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention. |
| **Skin contact** | Remove contaminated clothing immediately and wash skin with soap and water. DO NOT use solvents or thinners |
| **Eye contact** | Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention. |

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

| | |
|---|---|
| **General information** | The severity of the symptoms described will vary dependent on the concentration and the length of exposure. |

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

| | |
|---|---|
| **Notes for the doctor** | Treat symptomatically. |

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

| | |
|---|---|
| **Suitable extinguishing media** | Extinguish with foam, carbon dioxide, dry powder or water fog. |

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

| | |
|---|---|
| **Specific hazards** | Containers can burst violently or explode when heated, due to excessive pressure build-up. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. The product is highly flammable. Forms explosive mixtures with air. |

### 5.3. Advice for firefighters

| | |
|---|---|
| **Protective actions during firefighting** | Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours. Warn firefighters that aerosols are involved. |

## SECTION 6: Accidental release measures

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

| | |
|---|---|
| **Personal precautions** | Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapours. |

### 6.2. Environmental precautions

| | |
|---|---|
| **Environmental precautions** | Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material. |

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

| | |
|---|---|
| **Methods for cleaning up** | Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with non-combustible, absorbent material. Leave small quantities to evaporate, if safe to do so. Do not allow material to enter confined spaces, due to the risk of explosion. |

### 6.4. Reference to other sections

| | |
|---|---|
| **Reference to other sections** | For personal protection, see Section 8. For waste disposal, see Section 13. |

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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**Usage precautions** Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Do not spray near naked flame or any incandescent material.

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

**Storage precautions** Keep away from heat, sparks and open flame. Store at moderate temperatures in dry, well ventilated area. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn even after use.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

**PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS**

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m³
Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m³

**ACETONE**

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³
Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

**ETHYLBENZENE**

Long-term exposure limit (8-hour TWA): WEL 100 ppm 441 mg/m³
Short-term exposure limit (15-minute): WEL 125 ppm 552 mg/m³

**XYLENE**

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³
Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³
Sk

**HYDROCARBONS, C9, AROMATICS**

Long-term exposure limit (8-hour TWA): WEL 19 ppm 100 mg/m³ vapour

**PHTHALIC ANHYDRIDE**

Long-term exposure limit (8-hour TWA): WEL 4 mg/m3(Sen)
Short-term exposure limit (15-minute): WEL 12 mg/m3(Sen)

**Dipropylene Glycol Methyl Ether**

Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m³
Sk

**2,6-Di-tert-butyl-p-cresol**

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³

WEL = Workplace Exposure Limit.
Sk = Can be absorbed through skin.
Sk = Can be absorbed through the skin.

**Ingredient comments** WEL = Workplace Exposure Limits

**ACETONE (CAS: 67-64-1)**

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**DNEL**

Consumer - Oral; Long term : 62 mg/kg/day
Consumer - Dermal; Long term : 62 mg/kg/day
Industry - Dermal; Long term : 186 mg/kg/day
Consumer - Inhalation; Long term : 200 mg/m³
Industry - Inhalation; Short term : 2420 mg/m³
Industry - Inhalation; Long term : 1210 mg/m³

**PNEC**

- Fresh water; 10.6 mg/l
- marine water; 1.06 mg/l
- Intermittent release; 21 mg/l
- Soil; 29.5 mg/l
- Sediment (Marinewater); 3.04 mg/kg
- Sediment (Freshwater); 30.4 mg/kg

## ETHYLBENZENE (CAS: 100-41-4)

**DNEL**

Consumer - Oral; Long term systemic effects: 1.6 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 15 mg/m³
Industry - Dermal; Long term systemic effects: 180 mg/kg/day
Industry - Inhalation; Long term systemic effects: 77 mg/m³
Industry - Inhalation; Short term : 293 mg/m³

**PNEC**

- Fresh water; 0.1 mg/l
- marine water; 0.1 mg/l
- Intermittent release; 0.1 mg/l
- Sediment (Freshwater); 13.7 mg/kg
- Sediment (Marinewater); 13.7 mg/kg
- Soil; 2.68 mg/kg
- STP; 9.6 mg/kg

## XYLENE (CAS: 1330-20-7)

**DNEL**

Industry - Inhalation; Short term : 442 mg/m³
Consumer - Inhalation; Long term systemic effects: 65.3 mg/m³
Consumer - Dermal; Long term systemic effects: 1872 mg/kg/day
Industry - Inhalation; Long term systemic effects: 221 mg/m³
Consumer - Oral; Long term systemic effects: 12.5 mg/kg/day
Industry - Dermal; Long term systemic effects: 3182 mg/kg/day
Consumer - Inhalation; Short term : 260 mg/m³

**PNEC**

- Fresh water; 0.327 mg/l
- marine water; 0.327 mg/l
- Intermittent release; 0.327 mg/l
- STP; 6.58 mg/l
- Sediment (Freshwater); 12.46 mg/kg
- Sediment (Marinewater); 12.46 mg/kg
- Soil; 2.31 mg/kg

## HYDROCARBONS, C9, AROMATICS

**DNEL**

Consumer - Oral; Long term systemic effects: 11 mg/kg/day
Consumer - Dermal; Long term systemic effects: 11 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 32 mg/m³
Industry - Dermal; Long term systemic effects: 25 mg/kg/day
Industry - Inhalation; Long term systemic effects: 150 mg/m³

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| | |
|---|---|
| **PNEC** | No PNEC available. Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for the risk assessment of this complex substance. |

**Dipropylene Glycol Methyl Ether (CAS: 34590-94-8)**

| | |
|---|---|
| **DNEL** | Industry - Dermal; Long term : 65 mg/kg/day<br>Industry - Inhalation; Long term : 310 mg/m³<br>Consumer - Dermal; Long term : 15 mg/kg/day<br>Consumer - Inhalation; Long term : 37.2 mg/m³<br>Consumer - Oral; Long term : 1.67 mg/kg/day |
| **PNEC** | Fresh water; 19 mg/l<br>marine water; 1.9 mg/l<br>STP; 4168 mg/l<br>Sediment (Freshwater); 70.2 mg/kg<br>Sediment (Marinewater); 7.02 mg/kg<br>Soil; 2.74 mg/kg<br>Intermittent release; 19 mg/l |

**2,6-Di-tert-butyl-p-cresol (CAS: 128-37-0)**

| | |
|---|---|
| **DNEL** | Industry - Dermal; : 0.5 mg/kg/day<br>Industry - Inhalation; : 3.5 mg/kg/day |
| **PNEC** | - Fresh water; 0.000199 mg/l<br>- marine water; 0.0000199 mg/l<br>- Sediment; 0.0996 mg/l<br>- Soil; 0.04769 mg/l |

## 8.2. Exposure controls

**Protective equipment**

| | |
|---|---|
| **Appropriate engineering controls** | Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients. |
| **Personal protection** | When using do not smoke. |
| **Eye/face protection** | Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles. |
| **Hand protection** | Due to the packaging form, aerosol, risk of skin contact is small. To protect hands from chemicals, gloves should comply with European Standards EN388 and 374. As a general principle, exposure should be managed by means other than the provision of protective gloves. Manufacturers' performance data suggest that the optimum glove for use should be: Viton rubber (fluoro rubber). Thickness: ≥ 0.7 mm or Polyethylene. Thickness: ≥ 0.062 mm Permeation breakthrough time according to EN374 - class: (1-6) e.g. minimum 480 mins. Caution: The performance of gloves under actual working conditions can be significantly affected by many factors and the information provided according to EN374 may not accord with what is achieved in practice. We recommend that expert professional advice is sought that takes into account of the work processes and working environment applicable for each task where gloves are to be worn. |

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| | |
|---|---|
| **Other skin and body protection** | Wear appropriate clothing to prevent reasonably probable skin contact. |
| **Hygiene measures** | Wash hands after handling. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate hand lotion to prevent defatting and cracking of skin. |
| **Respiratory protection** | If ventilation is inadequate, suitable respiratory protection must be worn. |

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **Appearance** | Aerosol. |
| **Colour** | Various colours. |
| **Odour** | Organic solvents. |
| **Odour threshold** | Not determined. |
| **pH** | Technically not feasible. |
| **Melting point** | Not determined. |
| **Initial boiling point and range** | Not determined. |
| **Flash point** | <-40°C |
| **Evaporation rate** | Not determined. |
| **Evaporation factor** | Not determined. |
| **Upper/lower flammability or explosive limits** | Lower flammable/explosive limit: 1.8 % Upper flammable/explosive limit: 9.5 % |
| **Other flammability** | Not determined. |
| **Vapour pressure** | Not determined. |
| **Vapour density** | heavier than air |
| **Relative density** | 1.17 @ 25°C |
| **Partition coefficient** | Not determined. |
| **Auto-ignition temperature** | 400°C |
| **Decomposition Temperature** | Not determined. |
| **Viscosity** | 800 - 1000 cP @ 25°C |
| **Explosive properties** | Not determined. |
| **Explosive under the influence of a flame** | Not considered to be explosive. |
| **Oxidising properties** | Not determined. |

### 9.2. Other information

| | |
|---|---|
| **Volatile organic compound** | This product contains a maximum VOC content of 580 g/l. |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

| | |
|---|---|
| **Reactivity** | Stable at normal ambient temperatures and when used as recommended. |

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### 10.2. Chemical stability

**Stability** Avoid the following conditions: Heat, sparks, flames.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Does not decompose when used and stored as recommended.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.

### 10.5. Incompatible materials

**Materials to avoid** Keep away from oxidising materials, heat and flames.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity - dermal**

**ATE dermal (mg/kg)** 7,681.8

**Acute toxicity - inhalation**

**ATE inhalation (vapours mg/l)** 66.49

**General information** Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

**Inhalation** In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea. Unconciousness and possible death.

**Skin contact** Repeated exposure may cause skin dryness or cracking.

**Eye contact** Irritating to eyes. Vapour or spray in the eyes may cause irritation and smarting. Repeated exposure may cause chronic eye irritation.

**Acute and chronic health hazards** Arrhythmia, (deviation from normal heart beat). In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

**Route of exposure** Inhalation Skin and/or eye contact.

**Target organs** Central nervous system Respiratory system, lungs

**Medical symptoms** Arrhythmia, (deviation from normal heart beat). Narcotic effect. Vapours may cause drowsiness and dizziness. Skin irritation.

**Toxicological information on ingredients.**

**ACETONE**

**Toxicological effects** The toxicity of this substance has been assessed during REACH registration.

**Acute toxicity - oral**

**Acute toxicity oral ($LD_{50}$ mg/kg)** 5,800.0

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| | |
|---|---|
| **Species** | Rat |
| **ATE oral (mg/kg)** | 5,800.0 |
| **Acute toxicity - dermal** | |
| **Acute toxicity dermal ($LD_{50}$ mg/kg)** | 7,426.0 |
| **Species** | Guinea pig |
| **ATE dermal (mg/kg)** | 7,426.0 |
| **Acute toxicity - inhalation** | |
| **Acute toxicity inhalation ($LC_{50}$ dust/mist mg/l)** | 76.0 |
| **Species** | Rat |
| **ATE inhalation (dusts/mists mg/l)** | 76.0 |
| **Skin sensitisation** | |
| **Skin sensitisation** | Epidemiological studies have shown no evidence of skin sensitisation. |

**ETHYLBENZENE**

| | |
|---|---|
| **Acute toxicity - oral** | |
| **Acute toxicity oral ($LD_{50}$ mg/kg)** | 3,523.0 |
| **Species** | Rat |
| **ATE oral (mg/kg)** | 3,523.0 |
| **Acute toxicity - dermal** | |
| **Acute toxicity dermal ($LD_{50}$ mg/kg)** | 15,400.0 |
| **Species** | Rabbit |
| **ATE dermal (mg/kg)** | 15,400.0 |
| **Acute toxicity - inhalation** | |
| **Acute toxicity inhalation ($LC_{50}$ vapours mg/l)** | 17.8 |
| **Species** | Rat |
| **ATE inhalation (vapours mg/l)** | 17.8 |
| **Serious eye damage/irritation** | |
| **Serious eye damage/irritation** | Severely irritating to skin. Irritation of eyes is assumed. No testing is needed. |
| **Respiratory sensitisation** | |
| **Respiratory sensitisation** | Not sensitising. |
| **Skin sensitisation** | |

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| | |
|---|---|
| **Skin sensitisation** | Not sensitising. |
| **Carcinogenicity** | |
| **Carcinogenicity** | There is no evidence that the product can cause cancer. |
| **Aspiration hazard** | |
| **Aspiration hazard** | Kinematic viscosity <= 20.5 mm2/s. |

**XYLENE**

| | |
|---|---|
| **Acute toxicity - oral** | |
| **Acute toxicity oral ($LD_{50}$ mg/kg)** | 3,523.0 |
| **Species** | Rat |
| **ATE oral (mg/kg)** | 3,523.0 |
| **Acute toxicity - dermal** | |
| **Acute toxicity dermal ($LD_{50}$ mg/kg)** | 12,126.0 |
| **Species** | Rabbit |
| **ATE dermal (mg/kg)** | 1,100.0 |
| **Acute toxicity - inhalation** | |
| **Acute toxicity inhalation ($LC_{50}$ vapours mg/l)** | 27.124 |
| **Species** | Rat |
| **ATE inhalation (vapours mg/l)** | 11.0 |
| **Serious eye damage/irritation** | |
| **Serious eye damage/irritation** | Severely irritating to skin. Irritation of eyes is assumed. No testing is needed. |
| **Respiratory sensitisation** | |
| **Respiratory sensitisation** | Not sensitising. |
| **Skin sensitisation** | |
| **Skin sensitisation** | Not sensitising. |
| **Carcinogenicity** | |
| **Carcinogenicity** | There is no evidence that the product can cause cancer. |
| **IARC carcinogenicity** | IARC Group 3 Not classifiable as to its carcinogenicity to humans. |
| **Reproductive toxicity** | |
| **Reproductive toxicity - fertility** | This substance has no evidence of toxicity to reproduction. |
| **Aspiration hazard** | |
| **Aspiration hazard** | Kinematic viscosity <= 20.5 mm2/s. |

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| | |
|---|---|
| **Inhalation** | Harmful by inhalation. |
| **Ingestion** | Pneumonia may be the result if vomited material containing solvents reaches the lungs. |
| **Skin contact** | Harmful in contact with skin. |
| **Target organs** | Central nervous system Liver |

## SECTION 12: Ecological information

**Ecotoxicity** ENVIRONMENTAL HAZARDS: This product has not been tested but contains ingredients which are harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment. During normal use the volatility of the components and the packaging form, pressurised container, make entry into the aquatic environment unlikely, however, do not empty or discharge into drains or watercourses. Ensure container is empty before disposal to prevent contents entering watercourses.

**Ecological information on ingredients.**

**ETHYLBENZENE**

| | |
|---|---|
| **Ecotoxicity** | Not regarded as dangerous for the environment. |

**XYLENE**

| | |
|---|---|
| **Ecotoxicity** | The product is not expected to be hazardous to the environment. |

**12.1. Toxicity**

**Ecological information on ingredients.**

**ACETONE**

**Acute aquatic toxicity**

| | |
|---|---|
| **Acute toxicity - fish** | $LC_{50}$, 96 hours: 5540 mg/l, Oncorhynchus mykiss (Rainbow trout) |
| **Acute toxicity - aquatic invertebrates** | $EC_{50}$, 48 hours: 13500 mg/l, Daphnia magna |
| **Acute toxicity - aquatic plants** | $IC_{50}$, 72 hours: >100 mg/l, Algae |

**ETHYLBENZENE**

**Acute aquatic toxicity**

| | |
|---|---|
| **Acute toxicity - fish** | $LC_{50}$, 96 hours: 4.2 mg/l, Fish |
| **Acute toxicity - aquatic invertebrates** | $EC_{50}$, 48 hours: >2.93 mg/l, Daphnia magna |
| **Acute toxicity - aquatic plants** | $IC_{50}$, 72 hours: 2.2 mg/l, Algae |

**Chronic aquatic toxicity**

| | |
|---|---|
| **Chronic toxicity - aquatic invertebrates** | NOEC, 21 days: 6.8 mg/l, Daphnia magna |

**XYLENE**

**Acute aquatic toxicity**

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| | |
|---|---|
| **Acute toxicity - fish** | $LC_{50}$, 96 hours: 2.6 mg/l, Fish |
| **Acute toxicity - aquatic invertebrates** | $EC_{50}$, 48 hours: 3.62 mg/l, Daphnia magna |
| **Acute toxicity - aquatic plants** | $IC_{50}$, 72 hours: 3.2 mg/l, Algae |

## 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

**Ecological information on ingredients.**

**ACETONE**

| | |
|---|---|
| **Persistence and degradability** | The product is readily biodegradable. |

**ETHYLBENZENE**

| | |
|---|---|
| **Persistence and degradability** | The product is readily biodegradable. |

**XYLENE**

| | |
|---|---|
| **Persistence and degradability** | The product is readily biodegradable. |

## 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not determined.

**Ecological information on ingredients.**

**XYLENE**

| | |
|---|---|
| **Partition coefficient** | log Kow: 3.12 - 3.2 |

## 12.4. Mobility in soil

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

## 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

**Ecological information on ingredients.**

**ACETONE**

| | |
|---|---|
| **Results of PBT and vPvB assessment** | This substance is not classified as PBT or vPvB according to current EU criteria. |

**ETHYLBENZENE**

| | |
|---|---|
| **Results of PBT and vPvB assessment** | This substance is not classified as PBT or vPvB according to current EU criteria. |

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## XYLENE

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

**Other adverse effects** The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Do not puncture or incinerate even when empty.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Empty containers must not be punctured or incinerated because of the risk of an explosion.

## SECTION 14: Transport information

**General** This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed and labelled must show the following.

### 14.1. UN number

**UN No. (ADR/RID)** 1950

**UN No. (IMDG)** 1950

**UN No. (ICAO)** 1950

**UN No. (ADN)** 1950

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** AEROSOLS

**Proper shipping name (IMDG)** AEROSOLS

**Proper shipping name (ICAO)** AEROSOLS

**Proper shipping name (ADN)** AEROSOLS

### 14.3. Transport hazard class(es)

**ADR/RID class** 2.1

**ADR/RID classification code** 5F

**ADR/RID label** 2.1

**IMDG class** 2.1

**ICAO class/division** 2.1

**ADN class** 2.1

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**Transport labels**


## 14.4. Packing group

| | |
|---|---|
| **ADR/RID packing group** | not applicable |
| **IMDG packing group** | not applicable |
| **ICAO packing group** | not applicable |

## 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**
No.

## 14.6. Special precautions for user

| | |
|---|---|
| **EmS** | F-D, S-U |
| **ADR transport category** | 2 |
| **Tunnel restriction code** | (D) |

## 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

| | |
|---|---|
| **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** | Not applicable. |

## SECTION 15: Regulatory information

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

| | |
|---|---|
| **EU legislation** | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).<br>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).<br>Commission Regulation (EU) No 2015/830 of 28 May 2015. |
| **Guidance** | Workplace Exposure Limits EH40.<br>Dangerous Substances and Explosive Atmospheres Regulations 2002 [L138]<br>British Aerosol Manufacturers Code of Practice 7th. Edition 1999. |

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

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| | |
|---|---|
| **Abbreviations and acronyms used in the safety data sheet** | ATE: Acute Toxicity Estimate.<br>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.<br>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.<br>CAS: Chemical Abstracts Service.<br>DNEL: Derived No Effect Level.<br>GHS: Globally Harmonized System.<br>IATA: International Air Transport Association.<br>ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.<br>IMDG: International Maritime Dangerous Goods.<br>UVCB - Unknown or variable composition, complex reaction products or Biological materials.<br>Kow: Octanol-water partition coefficient.<br>$LD_{50}$: Lethal Dose to 50% of a test population (Median Lethal Dose).<br>PBT: Persistent, Bioaccumulative and Toxic substance.<br>PNEC: Predicted No Effect Concentration.<br>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.<br>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.<br>SVHC: Substances of Very High Concern.<br>vPvB: Very Persistent and Very Bioaccumulative.<br>$EC_{50}$: 50% of maximal Effective Concentration. |
| **Revision comments** | Issued in new format for Reach compliance in accordance with EC 1272/2008 Issued in accordance with Annex II to REACH, as amended by Commission Regulation (EU) No. 2015/830 Update for CLP labelling. |
| **Issued by** | Technical Dept. (N.O.) |
| **Revision date** | 20/06/2022 |
| **Revision** | 3.2 |
| **Supersedes date** | 29/03/2021 |
| **SDS number** | 20669 |
| **SDS status** | Approved. |

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**Hazard statements in full**

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H229 Pressurised container: may burst if heated.
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.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H372 Causes damage to organs (Hearing organs) through prolonged or repeated exposure.
H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure.
H373 May cause damage to organs (Respiratory system, lungs) through prolonged or repeated exposure if inhaled.
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.

**Signature**

Initials_____