



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 08-May-2024

Version 4

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

1.1. Product identifier

Product Code 82220
Product Name PX BRAKE & PARTS CLEANER 14.5 OZ
Unique Formula Identifier (UFI) Code MVXH-X0F0-J00W-EQ9U
Other means of identification

Contains HEPTANE, ETHYL BENZENE, XYLENE, METHANOL

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

Recommended Use Brake Cleaner
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Only Representative (OR)

ITW Performance Polymers
Bay 150
Shannon Industrial Estate
Co. Clare
Ireland
V14 DF82
353(61)771500
353(61)471285
customerservice.shannon@itwpp.com

For further information, please contact

Contact Point ITW Permatex
6875 Parkland Blvd.
Solon, Ohio 44139 USA
Telephone: 1-87-Permatex
(866) 732-9502

1.4. Emergency telephone number

| 24-hour emergency phone number - §45 - (EC)1272/2008 | |
|--|--------------------------|
| Europe | 112 |
| Austria | 01 406 43 43 |
| Belgium | 070 245 245 |
| Denmark | + 45 8212 1212 |
| Finland | 0800 147 111/ 09 471 977 |
| France | +33 (0)1 45 42 59 59 |
| Germany | +49 228 192 40 |
| Ireland | 01 809 2166 |

| | |
|----------------|------------------------------------|
| Italy | 0382-24444 |
| Netherlands | +31 (0)88 755 8000 |
| Norway | 22 59 13 00 |
| Poland | 112 |
| Portugal | +351 800 250 250 |
| Slovenia | 112 |
| Spain | +34 91 562 04 20 |
| Sweden | 112 |
| Switzerland | 145 |
| United Kingdom | 111 |
| Bulgaria | +359 2 9154 233 |
| Croatia | +3851 2348 342 |
| Cyprus | 1401 |
| Czech Republic | +420 224 919 293/ +420 224 915 402 |
| Estonia | 16662/ (+372) 7943 794 |
| Greece | (003) 2107793777 |
| Hungary | +36 80 201 199 |
| Iceland | 543 2222 |
| Latvia | +371 67042473 |
| Liechtenstein | 01 406 43 43 |
| Lithuania | +370 (85) 2362052 |
| Luxembourg | (+352) 8002 5500 |
| Romania | +40213183606 |
| Slovakia | +421 2 5477 4166 |
| Malta | 112 |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

| | |
|---|--------------------------|
| Flammable liquids | Category 2 - (H225) |
| Acute toxicity - Oral | Category 4 - (H302) |
| Acute toxicity - Dermal | Category 4 - (H312) |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 3 - (H331) |
| Skin corrosion/irritation | Category 2 - (H315) |
| Serious eye damage/eye irritation | Category 2 - (H319) |
| Specific target organ toxicity (single exposure) | Category 3 - (H335,H336) |
| Category 3 Respiratory irritation, Narcotic effects | |
| Aspiration hazard | Category 1 - (H304) |
| Chronic aquatic toxicity | Category 2 - (H411) |

2.2. Label elements

Contains HEPTANE, ETHYL BENZENE, XYLENE, METHANOL



Signal word

Danger

Hazard statements

H225 - Highly flammable liquid and vapor

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
 H331 - Toxic if inhaled
 H335 - May cause respiratory irritation
 H336 - May cause drowsiness or dizziness
 H411 - Toxic to aquatic life with long lasting effects

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

P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P321 - Specific treatment (see supplemental instructions on the administration of antidotes on this label)
 P321 - Specific treatment (see .? on this label)
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
 P331 - Do NOT induce vomiting
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
 P370 + P378 - In case of fire: Use .? to extinguish
 P273 - Avoid release to the environment
 22 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
 7 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
 72 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

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

2.3. Other hazards

Toxic to aquatic life.

Endocrine Disruptor Information**SECTION 3: Composition/information on ingredients****3.1 Substances**

| Chemical name | Weight-% | REACH registration No. | EC No (EU Index No) | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) |
|---------------------|------------|---|-----------------------------|--|---|----------|----------------------|
| ACETONE 67-64-1 | 50 - <100% | Registration no: 01-211947133 0-49-XXXX | (606-001-00-8) 200-662-2 | Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066) | - | - | - |
| METHANOL 67-56-1 | 20 - <25% | | (603-001-00-X) 200-659-6 | Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370) Flam. Liq. 2 (H225) | STOT SE 1 :: C>=10% STOT SE 2 :: 3%<=C<10% | - | - |
| HEPTANE 142-82-5 | 10 - <20% | | (601-008-00-2) 205-563-8 | Skin Irrit. 2 (H315) | - | - | - |

| | | | | | | | |
|----------------------------|-----------|--------|-----------------------------|---|---|---|---|
| | | | | STOT SE 3 (H336) Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam. Liq. 2 (H225) | | | |
| CARBON DIOXIDE 124-38-9 | 5 - <10% | Exempt | 204-696-9 | - | - | - | - |
| XYLENE 1330-20-7 | 2.5 - <5% | | (601-022-00-9) 215-535-7 | Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) | - | - | - |
| ETHYL BENZENE 100-41-4 | 1 - <2.5% | | (601-023-00-4) 202-849-4 | Acute Tox. 4 (H332) STOT RE 2 (H373) Asp. Tox. 1 (H304) Flam. Liq. 2 (H225) | - | - | - |

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

No information available

| Chemical name | Oral LD50 mg/kg | Dermal LD50 mg/kg | Inhalation LC50 - 4 hour - dust/mist - mg/L | Inhalation LC50 - 4 hour - vapor - mg/L | Inhalation LC50 - 4 hour - gas - ppm |
|----------------------------|-------------------|-------------------|---|---|--------------------------------------|
| ACETONE 67-64-1 | 5800 | 15700 | 100.2 | No data available | No data available |
| METHANOL 67-56-1 | 6200 | Methanol | 6200 | 15840 | No data available |
| HEPTANE 142-82-5 | No data available | 3000 | 73.5 | No data available | No data available |
| CARBON DIOXIDE 124-38-9 | 12.5 | No data available | No data available | No data available | No data available |
| XYLENE 1330-20-7 | 3500 | 4350 | No data available | No data available | No data available |
| ETHYL BENZENE 100-41-4 | 3500 | 15400 | 17.4 | No data available | No data available |

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures**4.1. Description of first aid measures**

| | |
|---------------------|--|
| Inhalation | Remove to fresh air. |
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin contact | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. |
| Ingestion | Rinse mouth. |

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

| | |
|-----------------|---------------------------|
| Symptoms | No information available. |
|-----------------|---------------------------|

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

| | |
|----------------------------|---------------------------|
| Effects of Exposure | No information available. |
| Note to physicians | Treat symptomatically. |

SECTION 5: Firefighting measures

5.1. Extinguishing media

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|---------------------------------------|---|
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Large Fire | CAUTION: Use of water spray when fighting fire may be inefficient. |
| Unsuitable extinguishing media | Do not scatter spilled material with high pressure water streams. |

5.2. Special hazards arising from the substance or mixture

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|---|---------------------------|
| Specific hazards arising from the chemical | No information available. |
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5.3. Advice for firefighters

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| Special protective equipment and precautions for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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|---------------------------------|---|
| Personal precautions | Ensure adequate ventilation. |
| For emergency responders | Use personal protection recommended in Section 8. |

6.2. Environmental precautions

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| Environmental precautions | See Section 12 for additional Ecological Information. |
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6.3. Methods and material for containment and cleaning up

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| Methods for containment | Prevent further leakage or spillage if safe to do so. |
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Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

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

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical name | European Union | Austria | Belgium | Bulgaria | Croatia |
|----------------------------|--|---|--|---|--|
| ACETONE 67-64-1 | TWA: 500 ppm TWA: 1210 mg/m ³ | TWA: 500 ppm TWA: 1200 mg/m ³ STEL 2000 ppm STEL 4800 mg/m ³ | TWA: 246 ppm TWA: 594 mg/m ³ STEL: 492 ppm STEL: 1187 mg/m ³ | STEL: 1400 mg/m ³ TWA: 600 mg/m ³ | TWA: 500 ppm TWA: 1210 mg/m ³ |
| METHANOL 67-56-1 | TWA: 200 ppm TWA: 260 mg/m ³ * | TWA: 200 ppm TWA: 260 mg/m ³ STEL 800 ppm STEL 1040 mg/m ³ H* | TWA: 200 ppm TWA: 266 mg/m ³ STEL: 250 ppm STEL: 333 mg/m ³ D* | TWA: 200 ppm TWA: 260.0 mg/m ³ K* | TWA: 200 ppm TWA: 260 mg/m ³ * |
| HEPTANE 142-82-5 | TWA: 500 ppm TWA: 2085 mg/m ³ | TWA: 500 ppm TWA: 2000 mg/m ³ STEL 2000 ppm STEL 8000 mg/m ³ | TWA: 400 ppm TWA: 1664 mg/m ³ STEL: 500 ppm STEL: 2085 mg/m ³ | TWA: 1600 mg/m ³ | TWA: 500 ppm TWA: 2085 mg/m ³ * |
| CARBON DIOXIDE 124-38-9 | TWA: 5000 ppm TWA: 9000 mg/m ³ | TWA: 5000 ppm TWA: 9000 mg/m ³ STEL 10000 ppm STEL 18000 mg/m ³ | TWA: 5000 ppm TWA: 9131 mg/m ³ STEL: 30000 ppm STEL: 54784 mg/m ³ | TWA: 5000 ppm TWA: 9000 mg/m ³ | TWA: 5000 ppm TWA: 9000 mg/m ³ |
| XYLENE 1330-20-7 | TWA: 50 ppm TWA: 221 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ * | TWA: 50 ppm TWA: 221 mg/m ³ STEL 100 ppm STEL 442 mg/m ³ | TWA: 50 ppm TWA: 221 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ D* | STEL: 100 ppm STEL: 442 mg/m ³ TWA: 50 ppm TWA: 221.0 mg/m ³ K* | TWA: 50 ppm TWA: 221 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ * |
| ETHYL BENZENE 100-41-4 | TWA: 100 ppm TWA: 442 mg/m ³ | TWA: 100 ppm TWA: 440 mg/m ³ | TWA: 20 ppm TWA: 87 mg/m ³ | STEL: 545 mg/m ³ TWA: 435 mg/m ³ | TWA: 100 ppm TWA: 442 mg/m ³ |

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|----------------------------|---|---|--|---|--|
| | STEL: 200 ppm STEL: 884 mg/m ³ * | STEL 200 ppm STEL 880 mg/m ³ H* | STEL: 125 ppm STEL: 551 mg/m ³ D* | K* | STEL: 200 ppm STEL: 884 mg/m ³ * |
| Chemical name | Cyprus | Czech Republic | Denmark | Estonia | Finland |
| ACETONE 67-64-1 | * TWA: 500 ppm TWA: 1210 mg/m ³ | TWA: 800 mg/m ³ Ceiling: 1500 mg/m ³ | TWA: 250 ppm TWA: 600 mg/m ³ STEL: 500 ppm STEL: 1200 mg/m ³ | TWA: 500 ppm TWA: 1210 mg/m ³ | TWA: 500 ppm TWA: 1200 mg/m ³ STEL: 630 ppm STEL: 1500 mg/m ³ |
| METHANOL 67-56-1 | * TWA: 200 ppm TWA: 260 mg/m ³ | TWA: 250 mg/m ³ Ceiling: 1000 mg/m ³ D* | TWA: 200 ppm TWA: 260 mg/m ³ H* STEL: 400 ppm STEL: 520 mg/m ³ | TWA: 200 ppm TWA: 250 mg/m ³ STEL: 250 ppm STEL: 350 mg/m ³ A* | TWA: 200 ppm TWA: 270 mg/m ³ STEL: 250 ppm STEL: 330 mg/m ³ iho* |
| HEPTANE 142-82-5 | TWA: 500 ppm TWA: 2085 mg/m ³ | TWA: 1000 mg/m ³ Ceiling: 2000 mg/m ³ | TWA: 200 ppm TWA: 820 mg/m ³ STEL: 400 ppm STEL: 1640 mg/m ³ | TWA: 500 ppm TWA: 2085 mg/m ³ | TWA: 300 ppm TWA: 1200 mg/m ³ STEL: 500 ppm STEL: 2100 mg/m ³ |
| CARBON DIOXIDE 124-38-9 | TWA: 5000 ppm TWA: 9000 mg/m ³ | TWA: 9000 mg/m ³ Ceiling: 45000 mg/m ³ | TWA: 5000 ppm TWA: 9000 mg/m ³ STEL: 10000 ppm STEL: 18000 mg/m ³ | TWA: 5000 ppm TWA: 9000 mg/m ³ | TWA: 5000 ppm TWA: 9100 mg/m ³ |
| XYLENE 1330-20-7 | * STEL: 100 ppm STEL: 442 mg/m ³ TWA: 50 ppm TWA: 221 mg/m ³ | TWA: 200 mg/m ³ Ceiling: 400 mg/m ³ D* | TWA: 25 ppm TWA: 109 mg/m ³ H* STEL: 442 mg/m ³ STEL: 100 ppm | TWA: 50 ppm TWA: 200 mg/m ³ TWA: 5 mg/m ³ TWA: 100 mg/m ³ TWA: 20 ppm STEL: 100 ppm STEL: 450 mg/m ³ STEL: 500 mg/m ³ A* | TWA: 50 ppm TWA: 220 mg/m ³ STEL: 100 ppm STEL: 440 mg/m ³ iho* |
| ETHYL BENZENE 100-41-4 | * STEL: 200 ppm STEL: 884 mg/m ³ TWA: 100 ppm TWA: 442 mg/m ³ | TWA: 200 mg/m ³ Ceiling: 500 mg/m ³ D* | TWA: 50 ppm TWA: 217 mg/m ³ H* STEL: 434 mg/m ³ STEL: 100 ppm | S+ TWA: 100 ppm TWA: 442 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³ A* | TWA: 50 ppm TWA: 220 mg/m ³ STEL: 200 ppm STEL: 880 mg/m ³ iho* |
| Chemical name | France | Germany TRGS | Germany DFG | Greece | Hungary |
| ACETONE 67-64-1 | TWA: 500 ppm TWA: 1210 mg/m ³ STEL: 1000 ppm STEL: 2420 mg/m ³ | TWA: 500 ppm TWA: 1200 mg/m ³ | TWA: 500 ppm TWA: 1200 mg/m ³ Peak: 1000 ppm Peak: 2400 mg/m ³ | TWA: 1780 mg/m ³ STEL: 3560 mg/m ³ | TWA: 500 ppm TWA: 1210 mg/m ³ |
| METHANOL 67-56-1 | TWA: 200 ppm TWA: 260 mg/m ³ STEL: 1000 ppm STEL: 1300 mg/m ³ * | TWA: 100 ppm TWA: 130 mg/m ³ H* | TWA: 100 ppm TWA: 130 mg/m ³ Peak: 200 ppm Peak: 260 mg/m ³ * | TWA: 200 ppm TWA: 260 mg/m ³ STEL: 250 ppm STEL: 325 mg/m ³ * | TWA: 260 mg/m ³ TWA: 200 ppm b* |
| HEPTANE 142-82-5 | TWA: 400 ppm TWA: 1668 mg/m ³ TWA: 1000 mg/m ³ STEL: 500 ppm STEL: 2085 mg/m ³ STEL: 1500 mg/m ³ | TWA: 500 ppm TWA: 2100 mg/m ³ | TWA: 500 ppm TWA: 2100 mg/m ³ Peak: 500 ppm Peak: 2100 mg/m ³ | TWA: 500 ppm TWA: 2000 mg/m ³ STEL: 500 ppm STEL: 2000 mg/m ³ | TWA: 2000 mg/m ³ |
| CARBON DIOXIDE 124-38-9 | TWA: 5000 ppm TWA: 9000 mg/m ³ | TWA: 5000 ppm TWA: 9100 mg/m ³ | TWA: 5000 ppm TWA: 9100 mg/m ³ Peak: 10000 ppm Peak: 18200 mg/m ³ | TWA: 5000 ppm TWA: 9000 mg/m ³ STEL: 5000 ppm STEL: 54000 mg/m ³ | TWA: 9000 mg/m ³ TWA: 5000 ppm |
| XYLENE 1330-20-7 | TWA: 50 ppm TWA: 221 mg/m ³ TWA: 1000 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ | TWA: 50 ppm TWA: 220 mg/m ³ H* | TWA: 50 ppm TWA: 220 mg/m ³ Peak: 100 ppm Peak: 440 mg/m ³ * | TWA: 100 ppm TWA: 435 mg/m ³ STEL: 150 ppm STEL: 650 mg/m ³ * | TWA: 221 mg/m ³ TWA: 50 ppm STEL: 442 mg/m ³ STEL: 100 ppm b* |

| | | | | | |
|----------------------------|--|---|---|---|--|
| | STEL: 1500 mg/m ³ * | | | | |
| ETHYL BENZENE 100-41-4 | TWA: 20 ppm TWA: 88.4 mg/m ³ TWA: 1000 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ STEL: 1500 mg/m ³ * | TWA: 20 ppm TWA: 88 mg/m ³ H* | TWA: 20 ppm TWA: 88 mg/m ³ Peak: 40 ppm Peak: 176 mg/m ³ * | TWA: 100 ppm TWA: 435 mg/m ³ STEL: 125 ppm STEL: 545 mg/m ³ | TWA: 100 ppm TWA: 442 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³ b* |
| Chemical name | Ireland | Italy MDLPS | Italy AIDII | Latvia | Lithuania |
| ACETONE 67-64-1 | TWA: 500 ppm TWA: 1210 mg/m ³ STEL: 1500 ppm STEL: 3630 mg/m ³ | TWA: 500 ppm TWA: 1210 mg/m ³ | TWA: 250 ppm TWA: 594 mg/m ³ STEL: 500 ppm STEL: 1187 mg/m ³ | TWA: 500 ppm TWA: 1210 mg/m ³ | TWA: 500 ppm TWA: 1210 mg/m ³ STEL: 1000 ppm STEL: 2420 mg/m ³ |
| METHANOL 67-56-1 | TWA: 200 ppm TWA: 260 mg/m ³ STEL: 600 ppm STEL: 780 mg/m ³ Sk* | TWA: 200 ppm TWA: 260 mg/m ³ cute* | TWA: 200 ppm TWA: 262 mg/m ³ STEL: 250 ppm STEL: 328 mg/m ³ cute* | TWA: 200 ppm TWA: 260 mg/m ³ Ada* | O* TWA: 200 ppm TWA: 260 mg/m ³ |
| HEPTANE 142-82-5 | TWA: 500 ppm TWA: 2085 mg/m ³ STEL: 1500 ppm STEL: 6255 mg/m ³ | TWA: 500 ppm TWA: 2085 mg/m ³ | TWA: 400 ppm TWA: 1639 mg/m ³ STEL: 500 ppm STEL: 2049 mg/m ³ | TWA: 85 ppm TWA: 350 mg/m ³ TWA: 100 mg/m ³ STEL: 500 ppm STEL: 2085 mg/m ³ STEL: 300 mg/m ³ | TWA: 500 ppm TWA: 2085 mg/m ³ TWA: 200 ppm TWA: 800 mg/m ³ STEL: 750 ppm STEL: 3128 mg/m ³ STEL: 300 ppm STEL: 1200 mg/m ³ |
| CARBON DIOXIDE 124-38-9 | TWA: 5000 ppm TWA: 9000 mg/m ³ STEL: 15000 ppm STEL: 27000 mg/m ³ | TWA: 5000 ppm TWA: 9000 mg/m ³ | TWA: 5000 ppm TWA: 9000 mg/m ³ STEL: 30000 ppm STEL: 54000 mg/m ³ Simple asphyxiant | TWA: 5000 ppm TWA: 9000 mg/m ³ | TWA: 5000 ppm TWA: 9000 mg/m ³ |
| XYLENE 1330-20-7 | TWA: 50 ppm TWA: 221 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ Sk* | TWA: 50 ppm TWA: 221 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ cute* | TWA: 100 ppm TWA: 434 mg/m ³ STEL: 150 ppm STEL: 651 mg/m ³ | TWA: 50 ppm TWA: 221 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ Ada* | O* TWA: 221 mg/m ³ TWA: 50 ppm STEL: 442 mg/m ³ STEL: 100 ppm |
| ETHYL BENZENE 100-41-4 | TWA: 100 ppm TWA: 442 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³ Sk* | TWA: 100 ppm TWA: 442 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³ cute* | TWA: 20 ppm TWA: 87 mg/m ³ | TWA: 100 ppm TWA: 442 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³ Ada* | O* TWA: 100 ppm TWA: 442 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³ |
| Chemical name | Luxembourg | Malta | Netherlands | Norway | Poland |
| ACETONE 67-64-1 | TWA: 500 ppm TWA: 1210 mg/m ³ | TWA: 500 ppm TWA: 1210 mg/m ³ | TWA: 500 ppm TWA: 1210 mg/m ³ STEL: 1 ppm STEL: 2420 mg/m ³ | TWA: 125 ppm TWA: 295 mg/m ³ STEL: 156.25 ppm STEL: 368.75 mg/m ³ | STEL: 1800 mg/m ³ TWA: 600 mg/m ³ |
| METHANOL 67-56-1 | Peau* TWA: 200 ppm TWA: 260 mg/m ³ | skin* TWA: 200 ppm TWA: 260 mg/m ³ | TWA: 100 ppm TWA: 133 mg/m ³ H* | TWA: 100 ppm TWA: 130 mg/m ³ STEL: 150 ppm STEL: 162.5 mg/m ³ H* | STEL: 300 mg/m ³ TWA: 100 mg/m ³ Prohibited - substances or mixtures containing Methanol in weight concentration >3%;except fuels used in the model building, powerboating, fuel cells and biofuels skóra* |
| HEPTANE | TWA: 500 ppm | TWA: 500 ppm | TWA: 288 ppm | TWA: 200 ppm | STEL: 2000 mg/m ³ |

| | | | | | |
|----------------------------|--|---|--|--|--|
| 142-82-5 | TWA: 2085 mg/m ³ | TWA: 2085 mg/m ³ | TWA: 1200 mg/m ³ STEL: 384 ppm STEL: 1600 mg/m ³ | TWA: 800 mg/m ³ TWA: 40 ppm TWA: 275 mg/m ³ STEL: 250 ppm STEL: 1000 mg/m ³ STEL: 60 ppm STEL: 343.75 mg/m ³ | TWA: 1200 mg/m ³ |
| CARBON DIOXIDE 124-38-9 | TWA: 5000 ppm TWA: 9000 mg/m ³ | TWA: 5000 ppm TWA: 9000 mg/m ³ | TWA: 5000 ppm TWA: 9000 mg/m ³ | TWA: 5000 ppm TWA: 9000 mg/m ³ STEL: 6250 ppm STEL: 11250 mg/m ³ | STEL: 27000 mg/m ³ TWA: 9000 mg/m ³ |
| XYLENE 1330-20-7 | Peau* STEL: 100 ppm STEL: 442 mg/m ³ TWA: 50 ppm TWA: 221 mg/m ³ | skin* STEL: 100 ppm STEL: 442 mg/m ³ TWA: 50 ppm TWA: 221 mg/m ³ | TWA: 47.5 ppm TWA: 210 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ H* | TWA: 25 ppm TWA: 108 mg/m ³ STEL: 37.5 ppm STEL: 135 mg/m ³ H* | STEL: 200 mg/m ³ TWA: 100 mg/m ³ skóra* |
| ETHYL BENZENE 100-41-4 | Peau* STEL: 200 ppm STEL: 884 mg/m ³ TWA: 100 ppm TWA: 442 mg/m ³ | skin* STEL: 200 ppm STEL: 884 mg/m ³ TWA: 100 ppm TWA: 442 mg/m ³ | TWA: 48.6 ppm TWA: 215 mg/m ³ STEL: 97.3 ppm STEL: 430 mg/m ³ H* | TWA: 5 ppm TWA: 20 mg/m ³ STEL: 10 ppm STEL: 30 mg/m ³ H* | STEL: 400 mg/m ³ TWA: 200 mg/m ³ skóra* |
| Chemical name | Portugal | Romania | Slovakia | Slovenia | Spain |
| ACETONE 67-64-1 | TWA: 500 ppm TWA: 1210 mg/m ³ STEL: 750 ppm | TWA: 500 ppm TWA: 1210 mg/m ³ | TWA: 500 ppm TWA: 1210 mg/m ³ | TWA: 500 ppm TWA: 1210 mg/m ³ STEL: 2420 mg/m ³ STEL: 1000 ppm | TWA: 500 ppm TWA: 1210 mg/m ³ |
| METHANOL 67-56-1 | TWA: 200 ppm TWA: 260 mg/m ³ STEL: 250 ppm Cutânea* | TWA: 200 ppm TWA: 260 mg/m ³ P* | TWA: 200 ppm TWA: 260 mg/m ³ K* | TWA: 200 ppm TWA: 260 mg/m ³ STEL: 800 ppm STEL: 1040 mg/m ³ K* | TWA: 200 ppm TWA: 266 mg/m ³ via dérmica* |
| HEPTANE 142-82-5 | TWA: 500 ppm TWA: 2085 mg/m ³ STEL: 500 ppm | TWA: 500 ppm TWA: 2085 mg/m ³ TWA: 700 mg/m ³ STEL: 1000 mg/m ³ | TWA: 500 ppm TWA: 2085 mg/m ³ | TWA: 500 ppm TWA: 2085 mg/m ³ STEL: 500 ppm STEL: 2085 mg/m ³ | TWA: 500 ppm TWA: 2085 mg/m ³ |
| CARBON DIOXIDE 124-38-9 | TWA: 5000 ppm TWA: 9000 mg/m ³ STEL: 30000 ppm | TWA: 5000 ppm TWA: 9000 mg/m ³ | TWA: 5000 ppm TWA: 9000 mg/m ³ | TWA: 5000 ppm TWA: 9000 mg/m ³ STEL: 10000 ppm STEL: 18000 mg/m ³ | TWA: 5000 ppm TWA: 9150 mg/m ³ |
| XYLENE 1330-20-7 | TWA: 50 ppm TWA: 221 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ Cutânea* | TWA: 50 ppm TWA: 221 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ P* | TWA: 50 ppm TWA: 221 mg/m ³ K* Ceiling: 442 mg/m ³ | TWA: 50 ppm TWA: 221 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ K* | TWA: 50 ppm TWA: 221 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ via dérmica* |
| ETHYL BENZENE 100-41-4 | TWA: 100 ppm TWA: 442 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³ Cutânea* | TWA: 100 ppm TWA: 442 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³ P* | TWA: 100 ppm TWA: 442 mg/m ³ K* Ceiling: 884 mg/m ³ | TWA: 100 ppm TWA: 442 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³ K* | TWA: 100 ppm TWA: 441 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³ via dérmica* |
| Chemical name | Sweden | | Switzerland | | United Kingdom |
| ACETONE 67-64-1 | NGV: 250 ppm NGV: 600 mg/m ³ Vägledande KGV: 500 ppm Vägledande KGV: 1200 mg/m ³ | | TWA: 500 ppm TWA: 1200 mg/m ³ STEL: 1000 ppm STEL: 2400 mg/m ³ | | TWA: 500 ppm TWA: 1210 mg/m ³ STEL: 1500 ppm STEL: 3620 mg/m ³ |
| METHANOL 67-56-1 | NGV: 200 ppm NGV: 250 mg/m ³ Vägledande KGV: 250 ppm Vägledande KGV: 350 mg/m ³ H* | | TWA: 200 ppm TWA: 260 mg/m ³ STEL: 400 ppm STEL: 520 mg/m ³ H* | | TWA: 200 ppm TWA: 266 mg/m ³ STEL: 250 ppm STEL: 333 mg/m ³ Sk* |
| HEPTANE 142-82-5 | NGV: 200 ppm NGV: 800 mg/m ³ | | TWA: 400 ppm TWA: 1600 mg/m ³ | | TWA: 500 ppm TWA: 2085 mg/m ³ |

| | | | |
|----------------------------|--|---|---|
| | NGV: 350 mg/m ³ Vägledande KGV: 300 ppm Vägledande KGV: 1200 mg/m ³ | STEL: 400 ppm STEL: 1600 mg/m ³ | STEL: 1500 ppm STEL: 6255 mg/m ³ |
| CARBON DIOXIDE 124-38-9 | NGV: 5000 ppm NGV: 9000 mg/m ³ Vägledande KGV: 10000 ppm Vägledande KGV: 18000 mg/m ³ | TWA: 5000 ppm TWA: 9000 mg/m ³ | TWA: 5000 ppm TWA: 9150 mg/m ³ STEL: 15000 ppm STEL: 27400 mg/m ³ |
| XYLENE 1330-20-7 | NGV: 50 ppm NGV: 221 mg/m ³ Bindande KGV: 100 ppm Bindande KGV: 442 mg/m ³ H* | TWA: 50 ppm TWA: 220 mg/m ³ STEL: 100 ppm STEL: 440 mg/m ³ H* | TWA: 50 ppm TWA: 220 mg/m ³ STEL: 100 ppm STEL: 441 mg/m ³ Sk* |
| ETHYL BENZENE 100-41-4 | NGV: 50 ppm NGV: 220 mg/m ³ Bindande KGV: 200 ppm Bindande KGV: 884 mg/m ³ H* | TWA: 50 ppm TWA: 220 mg/m ³ STEL: 50 ppm STEL: 220 mg/m ³ H* | TWA: 100 ppm TWA: 441 mg/m ³ STEL: 125 ppm STEL: 552 mg/m ³ Sk* |

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

| Chemical name | European Union | Austria | Bulgaria | Croatia | Czech Republic |
|---------------------------|----------------|---|---|---|--|
| ACETONE 67-64-1 | - | - | 80 mg/L - urine (Acetone) - at the end of exposure or end of work shift | 20.0 mg/L - blood (Acetone) - at the end of the work shift 20.0 mg/g Creatinine - urine (Acetone) - at the end of the work shift | - |
| METHANOL 67-56-1 | - | - | - | 7.0 mg/g Creatinine - urine (Methanol) - at the end of the work shift | 0.47 mmol/L (urine - Methanol end of shift) 15 mg/L (urine - Methanol end of shift) |
| XYLENE 1330-20-7 | - | 1.5 g/L (urine - Methylhippuric acid after end of work day, at the end of a work week/end of the shift) | - | 1.50 mg/L - blood (Xylene) - at the end of the work shift 1.50 g/g Creatinine - urine (Methylhippuric acid) - at the end of the work shift | 820 µmol/mmol Creatinine (urine - Methylhippuric acid end of shift) 1400 mg/g Creatinine (urine - Methylhippuric acid end of shift) |
| ETHYL BENZENE 100-41-4 | - | - | 2000 mg/g Creatinine - urine (Mandelic acid and Phenylglyoxylic acid - total) - at the end of exposure or end of work shift | 1.50 mg/L - blood (Ethylbenzene) - during exposure 1.50 g/g Creatinine - urine (Mandelic acid) - at the end of the work shift and at the end of the working week | 1100 µmol/mmol Creatinine (urine - Mandelic acid end of shift) 1500 mg/g Creatinine (urine - Mandelic acid end of shift) |
| Chemical name | Denmark | Finland | France | Germany DFG | Germany TRGS |
| ACETONE 67-64-1 | - | - | - urine (Acetone) - end of shift | 50 mg/L (urine - Acetone end of shift) 50 mg/L - BAT (end of exposure or end of shift) urine 2.5 mg/L - BAR (end of exposure or end | 50 mg/L (urine - Acetone end of shift) |

| | | | | | |
|---------------------------|---|--|---|---|--|
| METHANOL 67-56-1 | - | - | - urine (Methanol) - end of shift | of shift) urine 15 mg/L (urine - Methanol end of shift) 15 mg/L (urine - Methanol for long-term exposures: at the end of the shift after several shifts) 15 mg/L - BAT (end of exposure or end of shift) urine | 15 mg/L (urine - Methanol end of shift) 15 mg/L (urine - Methanol for long-term exposures: at the end of the shift after several shifts) |
| HEPTANE 142-82-5 | - | - | - | 250 µg/L (urine - Heptan-2,5-dione end of shift) 250 µg/L - BAT (end of exposure or end of shift) urine | 250 µg/L (urine - Heptan-2,5-dione end of shift) |
| XYLENE 1330-20-7 | - | 5.0 mmol/L (urine - Methylhippuric acid after the shift) | - urine (Methylhippuric acid) - end of shift | 2000 mg/L (urine - Methylhippuric(tolur-)acid (all isomers) end of shift) 2000 mg/L - BAT (end of exposure or end of shift) urine | 2000 mg/L (urine - Methylhippuric(tolur-)acid (all isomers) end of shift) |
| ETHYL BENZENE 100-41-4 | - | 5.2 mmol/L (urine - Mandelic acid after the shift after a working week or exposure period) | - urine (Mandelic acid) - end of shift at end of workweek | 250 mg/g Creatinine (urine - Mandelic acid plus Phenylglyoxylic acid end of shift) 250 mg/g Creatinine - BAT (end of exposure or end of shift) urine 130 mg/g Creatinine - (end of exposure or end of shift) - urine 250 mg/g Creatinine - (end of exposure or end of shift) - urine 330 mg/g Creatinine - (end of exposure or end of shift) - urine 670 mg/g Creatinine - (end of exposure or end of shift) - urine 1300 mg/g Creatinine - (end of exposure or end of shift) - urine | 250 mg/g Creatinine (urine - Mandelic acid plus Phenylglyoxylic acid end of shift) |
| Chemical name | Hungary | Ireland | Italy MDLPS | Italy AIDII | |
| ACETONE 67-64-1 | - | 50 mg/L (urine - Acetone end of shift) | - | 25 mg/L - urine (Acetone) - end of shift | |
| METHANOL 67-56-1 | 30 mg/L (urine - Methanol end of shift) 940 µmol/L (urine - Methanol end of shift) | 15 mg/L (urine - Methanol end of shift) | - | 15 mg/L - urine (Methanol) - end of shift | |

| | | | | |
|---------------------------|--|--|---|--|
| XYLENE 1330-20-7 | 1500 mg/g Creatinine (urine - Methyl hippuric acid end of shift) 860 µmol/mmol Creatinine (urine - Methyl hippuric acid end of shift) | 1.5 g/g Creatinine (urine - Methylhippuric acids end of shift) | - | 1.5 g/g Creatinine - urine (Methylhippuric acid) - end of shift |
| ETHYL BENZENE 100-41-4 | 1500 mg/g Creatinine (urine - Mandelic acid at end of workweek, end of shift) 1110 µmol/mmol Creatinine (urine - Mandelic acid at end of workweek, end of shift) | 0.7 g/g Creatinine (urine - sum of Mandelic acid and Phenylglyoxylic acid end of shift at end of workweek) 0.7 g (end-exhaled air - not critical) | - | 0.15 g/g Creatinine - urine (Sum of Mandelic acid and Phenylglyoxylic acid) - end of shift at end of workweek |
| Chemical name | Latvia | Luxembourg | Romania | Slovakia |
| ACETONE 67-64-1 | - | - | 50 mg/L - urine (Acetone) - end of shift | 80 mg/L (urine - Acetone end of exposure or work shift) |
| METHANOL 67-56-1 | - | - | 6 mg/L - urine (Methanol) - end of shift | 30 mg/L (urine - Methanol end of exposure or work shift) 30 mg/L (urine - Methanol after all work shifts) |
| XYLENE 1330-20-7 | - | - | 3 g/L - urine (Methylhippuric acid) - end of shift | 1.5 mg/L (blood - Xylene end of exposure or work shift) 2000 mg/L (urine - Methylhippuric acid end of exposure or work shift) |
| ETHYL BENZENE 100-41-4 | - | - | 1.5 g/g Creatinine - urine (Mandelic acid) - end of work week | 12 mg/L (urine - 2 and 4-Ethylphenol end of exposure or work shift) 1600 mg/L (urine - Mandelic acid and Phenylglycolic acid end of exposure or work shift) |
| Chemical name | Slovenia | Spain | Switzerland | United Kingdom |
| ACETONE 67-64-1 | 80.0 mg/L - urine (Acetone) - at the end of the work shift | 50 mg/L (urine - Acetone end of shift) | 50 mg/L (urine - Acetone end of shift) 0.86 mmol/L (urine - Acetone end of shift) | - |
| METHANOL 67-56-1 | 15 mg/L - urine (Methanol) - at the end of the work shift; for long-term exposure: at the end of the work shift after several consecutive workdays | 15 mg/L (urine - Methanol end of shift) | 30 mg/L (urine - Methanol end of shift, and after several shifts (for long-term exposures)) 936 µmol/L (urine - Methanol end of shift, and after several shifts (for long-term exposures)) | - |
| HEPTANE 142-82-5 | - | - | 200 µg/L (urine - Heptan-2 5-dione end of shift) | - |
| XYLENE 1330-20-7 | 2 g/L - urine (Methylhippuric acid (all isomers)) - at the end of the work shift | 1 g/g Creatinine (urine - Methylhippuric acids end of shift) | 2 g/L (urine - Methylhippuric acid end of shift) | 650 mmol/mol creatinine - urine (Methyl hippuric acid) - post shift |
| ETHYL BENZENE 100-41-4 | 250 mg/g Creatinine - urine (Mandelic acid and Phenylglyoxylic acid) - at the end of the work shift | 700 mg/g Creatinine (urine - Mandelic acid plus Phenylglyoxylic acid end of workweek) | 600 mg/g creatinine (urine - Mandelic acid and Phenylglyoxylic acid end of shift) | - |

8.2. Exposure controls

Derived No Effect Level (DNEL) - Workers No information available

Derived No Effect Level (DNEL) - General Public No information available.

Predicted No Effect Concentration (PNEC) No information available.

Personal protective equipment

Eye/face protection No special protective equipment required.

Skin and body protection No special protective equipment required.

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

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | |
|-----------------------|--------------------------|
| Physical state | Liquid |
| Appearance | Clear |
| Color | No information available |
| Odor | Ketone |
| Odor threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|---------------------------------------|-------------------------|--|
| Melting point / freezing point | No data available | None known |
| Boiling point / boiling range | 56 °C | |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limit in Air | | None known |
| Upper flammability limit: | 12.8% | |
| Lower flammability limit: | 2.5% | |
| Flash point | < -18 °C | Gives a flame projection at full valve opening or flashback at any degree of valve opening |
| Autoignition temperature | No data available | None known |
| Decomposition temperature | | |
| pH | No data available | None known |
| pH (as aqueous solution) | No data available | No information available |
| Kinematic viscosity | <0.9 mm ² /s | |
| Dynamic viscosity | No data available | None known |
| Water solubility | No data available | Slightly soluble |
| Solubility(ies) | No Data Available | None known |
| Partition coefficient | No Data Available | None known |
| Vapor pressure | No Data Available | |
| Relative density | 0.8 | |
| Bulk density | No data available | |
| Density | No data available | |
| Vapor density | >1 | Air = 1 |
| Particle characteristics | | |

| | | |
|-----------------------------------|--------------------------|------------|
| Particle Size | No information available | |
| Particle Size Distribution | No information available | |
| VOC content | 43% | None known |

9.2. Other information

| | |
|--------------------|--------------------------|
| VOC content | 93 |
| Formula | No information available |

9.2.1. Information with regard to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.
Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous Decomposition Products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**Information on likely routes of exposure****Product Information**

| | |
|---------------------|---|
| Inhalation | Specific test data for the substance or mixture is not available. |
| Eye contact | Specific test data for the substance or mixture is not available. |
| Skin contact | Specific test data for the substance or mixture is not available. |
| Ingestion | Specific test data for the substance or mixture is not available. |

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Numerical measures of toxicity

Acute toxicity

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

ATEmix (oral) 311.70 mg/kg
 ATEmix (dermal) 1,102.40 mg/kg
 ATEmix (inhalation-dust/mist) 0.55 mg/l

22 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
 7 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
 72 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------|----------------------|--------------------------|---------------------------------------|
| ACETONE | = 5800 mg/kg (Rat) | > 15700 mg/kg (Rabbit) | = 50100 mg/m ³ (Rat) 8 h |
| METHANOL | = 6200 mg/kg (Rat) | = 15840 mg/kg (Rabbit) | = 22500 ppm (Rat) 8 h |
| HEPTANE | - | = 3000 mg/kg (Rabbit) | > 73.5 mg/L (Rat) 4 h |
| XYLENE | = 3500 mg/kg (Rat) | > 4350 mg/kg (Rabbit) | = 29.08 mg/L (Rat) 4 h |
| ETHYL BENZENE | = 3500 mg/kg (Rat) | = 15400 mg/kg (Rabbit) | = 17.4 mg/L (Rat) 4 h |

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

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties**Endocrine disrupting properties** No information available.**11.2.2. Other information****Other adverse effects** No information available.**SECTION 12: Ecological information****12.1. Toxicity****Ecotoxicity** The environmental impact of this product has not been fully investigated.**Unknown aquatic toxicity** Contains 0 % of components with unknown hazards to the aquatic environment.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---------------|----------------------|--|----------------------------|--|
| ACETONE | - | LC50: 4.74 - 6.33mL/L (96h, Oncorhynchus mykiss) LC50: 6210 - 8120mg/L (96h, Pimephales promelas) LC50: =8300mg/L (96h, Lepomis macrochirus) | - | EC50: 10294 - 17704mg/L (48h, Daphnia magna) EC50: 12600 - 12700mg/L (48h, Daphnia magna) |
| METHANOL | - | LC50: =28200mg/L (96h, Pimephales promelas) LC50: >100mg/L (96h, Pimephales promelas) LC50: 19500 - 20700mg/L (96h, Oncorhynchus mykiss) LC50: 18 - 20mL/L (96h, Oncorhynchus mykiss) LC50: 13500 - 17600mg/L (96h, Lepomis macrochirus) | - | - |
| HEPTANE | - | LC50: =375.0mg/L (96h, Cichlid fish) | - | - |
| XYLENE | - | LC50: =13.4mg/L (96h, Pimephales promelas) LC50: 2.661 - 4.093mg/L (96h, Oncorhynchus mykiss) LC50: 13.5 - 17.3mg/L (96h, Oncorhynchus mykiss) LC50: 13.1 - 16.5mg/L (96h, Lepomis macrochirus) LC50: =19mg/L (96h, Lepomis macrochirus) LC50: 7.711 - 9.591mg/L (96h, Lepomis macrochirus) LC50: 23.53 - 29.97mg/L (96h, Pimephales promelas) LC50: =780mg/L (96h, | - | EC50: =3.82mg/L (48h, water flea) LC50: =0.6mg/L (48h, Gammarus lacustris) |

| | | | | |
|---------------|---|---|---|---|
| | | Cyprinus carpio) LC50: >780mg/L (96h, Cyprinus carpio) LC50: 30.26 - 40.75mg/L (96h, Poecilia reticulata) | | |
| ETHYL BENZENE | EC50: =4.6mg/L (72h, Pseudokirchneriella subcapitata) EC50: >438mg/L (96h, Pseudokirchneriella subcapitata) EC50: 2.6 - 11.3mg/L (72h, Pseudokirchneriella subcapitata) EC50: 1.7 - 7.6mg/L (96h, Pseudokirchneriella subcapitata) | LC50: 11.0 - 18.0mg/L (96h, Oncorhynchus mykiss) LC50: =4.2mg/L (96h, Oncorhynchus mykiss) LC50: 7.55 - 11mg/L (96h, Pimephales promelas) LC50: =32mg/L (96h, Lepomis macrochirus) LC50: 9.1 - 15.6mg/L (96h, Pimephales promelas) LC50: =9.6mg/L (96h, Poecilia reticulata) | - | EC50: 1.8 - 2.4mg/L (48h, Daphnia magna) |

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation No information available.

| Chemical name | Partition coefficient |
|---------------|-----------------------|
| ACETONE | -0.24 |
| METHANOL | -0.77 |
| HEPTANE | 4.66 |
| XYLENE | 3.15 |
| ETHYL BENZENE | 3.6 |

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

| Chemical name | PBT and vPvB assessment |
|---------------|---------------------------------|
| ACETONE | The substance is not PBT / vPvB |
| METHANOL | The substance is not PBT / vPvB |
| HEPTANE | The substance is not PBT / vPvB |
| XYLENE | The substance is not PBT / vPvB |
| ETHYL BENZENE | The substance is not PBT / vPvB |

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|---|
| Waste from residues/unused products | Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. |
| Contaminated packaging | Do not reuse empty containers. |

SECTION 14: Transport information**IATA**

| | |
|--|--------------------|
| 14.1 UN number or ID number | ID 8000 |
| 14.2 Proper shipping name | Consumer commodity |
| 14.3 Transport hazard class(es) | 9 |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special precautions for user | |

IMDG

| | |
|---|--------------------------------|
| 14.1 UN number or ID number | 1950 |
| 14.2 Proper shipping name | Aerosols Limited Quantity (LQ) |
| 14.3 Transport hazard class(es) | 2.1 |
| 14.4 Packing Group | Not regulated |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special precautions for user | |
| 14.7 Maritime transport in bulk according to IMO instruments | |

RID

| | |
|--|--------------------------------|
| 14.1 UN/ID No | 1950 |
| 14.2 Proper shipping name | Aerosols Limited Quantity (LQ) |
| 14.3 Transport hazard class(es) | 2.1 |
| 14.4 Packing Group | Not regulated |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special precautions for user | |

ADR

| | |
|--|--------------------------------|
| 14.1 UN number or ID number | 1950 |
| 14.2 Proper shipping name | Aerosols Limited Quantity (LQ) |
| 14.3 Transport hazard class(es) | 2.1 |
| 14.4 Packing Group | Not regulated |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special precautions for user | |
| Classification code | 5F |

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

| Chemical name | French RG number |
|--------------------------|------------------|
| ACETONE - 67-64-1 | RG 84 |
| METHANOL - 67-56-1 | RG 84 |
| HEPTANE - 142-82-5 | RG 84 |
| XYLENE - 1330-20-7 | RG 4bis, RG 84 |
| ETHYL BENZENE - 100-41-4 | RG 84 |

| Chemical name | Netherlands - List of Carcinogens | Netherlands - List of Mutagens | Netherlands - List of Reproductive Toxins |
|---------------|-----------------------------------|--------------------------------|---|
| XYLENE | - | - | Development Category 2 |

European Union

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

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

| Chemical name | Restricted substance per REACH Annex XVII | Substance subject to authorization per REACH Annex XIV |
|--------------------|---|--|
| ACETONE - 67-64-1 | 75. | - |
| METHANOL - 67-56-1 | 69. 75. | - |
| HEPTANE - 142-82-5 | 75. | - |
| XYLENE - 1330-20-7 | 75. | - |

Persistent Organic Pollutants

Not applicable

| Chemical name | Lower-tier requirements (tons) | Upper-tier requirements (tons) |
|--------------------|--------------------------------|--------------------------------|
| METHANOL - 67-56-1 | 500 | 5000 |

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

| Chemical name | EU - Plant Protection Products (1107/2009/EC) |
|---------------------------|---|
| CARBON DIOXIDE - 124-38-9 | Plant protection agent |

| Chemical name | Biocidal Products Regulation (EU) No 528/2012 (BPR) |
|---------------------------|---|
| CARBON DIOXIDE - 124-38-9 | Product-type 9: Fiber, leather, rubber and polymerized materials preservatives Product-type 14: Rodenticides Product-type 15: Avicides Product-type 18: Insecticides, acaricides and products to control other arthropods Simplified procedure - Category 6 |

International Inventories

| | |
|---------------|----------|
| TSCA | Complies |
| DSL/NDSL | Complies |
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| KECI | Complies |
| PICCS | Complies |
| AICS | Complies |

Legend:

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

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

Full text of H-Statements referred to under section 3

EUH066 - Repeated exposure may cause skin dryness or cracking
 H225 - Highly flammable liquid and vapor
 H226 - Flammable liquid and vapor
 H301 - Toxic if swallowed
 H304 - May be fatal if swallowed and enters airways
 H311 - Toxic in contact with skin
 H312 - Harmful in contact with skin
 H315 - Causes skin irritation
 H319 - Causes serious eye irritation
 H331 - Toxic if inhaled
 H332 - Harmful if inhaled
 H336 - May cause drowsiness or dizziness
 H370 - Causes damage to organs
 H373 - May cause damage to organs through prolonged or repeated exposure
 H400 - Very toxic to aquatic life
 H410 - Very toxic to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorization:
 vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | | |
|---------|-----------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 Environmental Protection Agency
 Acute Exposure Guideline Level(s) (AEGL(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 Japan GHS Classification
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 U.S. National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program
 Organization for Economic Co-operation and Development Screening Information Data Set
 World Health Organization

Revision Date 08-May-2024

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

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End of Safety Data Sheet

EU SDS version information - EGHS

UL release:
GHS Revision 7
2023 Q1

| | |
|--|------------|
| Specific target organ toxicity (single exposure) | Category 3 |
|--|------------|

Category 3 Target organ effects: Respiratory irritation, Narcotic effects.

Full text of H-Statements referred to under section 3

EUH066 - Repeated exposure may cause skin dryness or cracking H225 - Highly flammable liquid and vapor H226 - Flammable liquid and vapor H301 - Toxic if swallowed H304 - May be fatal if swallowed and enters airways H311 - Toxic in contact with skin H312 - Harmful in contact with skin H315 - Causes skin irritation H319 - Causes serious eye irritation H331 - Toxic if inhaled H332 - Harmful if inhaled H336 - May cause drowsiness or dizziness H370 - Causes damage to organs H373 - May cause damage to organs through prolonged or repeated exposure H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects

| Chemical name | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) |
|---------------|---|---|
| ACETONE | Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066) | |
| METHANOL | Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370) Flam. Liq. 2 (H225) | STOT SE 1 :: C \geq 10% STOT SE 2 :: 3% \leq C<10% |
| HEPTANE | Skin Irrit. 2 (H315) STOT SE 3 (H336) Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam. Liq. 2 (H225) | |
| XYLENE | Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) | |
| ETHYL BENZENE | Acute Tox. 4 (H332) STOT RE 2 (H373) Asp. Tox. 1 (H304) Flam. Liq. 2 (H225) | |

| Chemical name | CAS No. | French RG number |
|---------------|-----------|------------------|
| ACETONE | 67-64-1 | RG 84 |
| METHANOL | 67-56-1 | RG 84 |
| HEPTANE | 142-82-5 | RG 84 |
| XYLENE | 1330-20-7 | RG 4bis, RG 84 |
| ETHYL BENZENE | 100-41-4 | RG 84 |

VOC content