

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



1-Standard Thinners Plus

Version 1 Date of compilation: 29/05/2020

Version 10 (replaces version 9)

Revision date: 07/06/2023

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier.

Product Name: Standard Thinners Plus
Product Code: 1

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

Paint Thinner and Cleaning

Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: **Soltec (Ireland) Limited**
Address: Zone A, Mullingar Business Park
City: Mullingar
Province: Co Westmeath
Telephone: 044 93 35 133
E-mail: info@soltec.ie
Web: www.soltec.ie

1.4 Emergency telephone number: 01 809 2166 (National Poisons Information Centre) (Only available during office hours; Monday-Sunday; 08:00-22:00)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture.

In accordance with Regulation (EC) No 1272/2008:

- Asp. Tox. 1 : May be fatal if swallowed and enters airways.
- Eye Irrit. 2 : Causes serious eye irritation.
- Flam. Liq. 2 : Highly flammable liquid and vapour.
- Repr. 2 : Suspected of damaging fertility or the unborn child.
- STOT RE 2 : May cause damage to organs through prolonged or repeated exposure.
- STOT SE 3 : May cause drowsiness or dizziness.
- Skin Irrit. 2 : Causes skin irritation.

2.2 Label elements.

Labelling in accordance with Regulation (EC) No 1272/2008:

Pictograms:



Signal Word:

Danger

Hazard statements:

- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

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| | |
|-----------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/... |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER/doctor/... |
| P331 | Do NOT induce vomiting. |
| P370+P378 | In case of fire: Use... to extinguish. |

Contains:

toluene

propan-2-ol, isopropyl alcohol, isopropanol

Acetone

ethyl acetate

heptane, n-heptane

methyl acetate

isopropyl acetate

2.3 Other hazards.

The mixture does not contain substances classified as PBT.

The mixture does not contain substances classified as vPvB.

The mixture does not contain any endocrine disrupting properties substances.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not Applicable.

3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

| Identifiers | Name | Concentrate | (*)Classification - Regulation (EC) No 1272/2008 | |
|--|---|-------------|--|--|
| | | | Classification | Specifics concentration limits and Acute toxicity estimate |
| Index No: 607-022-00-5 CAS No: 141-78-6 EC No: 205-500-4 Registration No: 01-2119475103-46-XXXX | [1] [2] ethyl acetate | 10 - 20 % | Eye Irrit. 2, H319 - Flam. Liq. 2, H225 - STOT SE 3, H336 | - |
| Index No: 601-021-00-3 CAS No: 108-88-3 EC No: 203-625-9 Registration No: 01-2119471310-51-XXXX | [1] [2] toluene | 10 - 20 % | Asp. Tox. 1, H304 - Flam. Liq. 2, H225 - Repr. 2, H361d *** - STOT RE 2 *, H373 ** - STOT SE 3, H336 - Skin Irrit. 2, H315 | - |
| Index No: 603-117-00-0 CAS No: 67-63-0 EC No: 200-661-7 Registration No: 01-2119457558-25-XXXX | [2] propan-2-ol, isopropyl alcohol, isopropanol | 10 - 20 % | Eye Irrit. 2, H319 - Flam. Liq. 2, H225 - STOT SE 3, H336 | - |

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| | | | | |
|---|----------------------------|------------|---|--|
| Index No: 607-021-00-X CAS No: 79-20-9 EC No: 201-185-2 Registration No: 01-2119459211-47-XXXX | [2] methyl acetate | 10 - 20 % | Eye Irrit. 2, H319 - Flam. Liq. 2, H225 - STOT SE 3, H336 | - |
| Index No: 606-001-00-8 CAS No: 67-64-1 EC No: 200-662-2 Registration No: 01-2119471330-49-XXXX | [1] [2] Acetone | 10 - 20 % | Eye Irrit. 2, H319 - Flam. Liq. 2, H225 - STOT SE 3, H336 | - |
| Index No: 601-022-00-9 CAS No: 1330-20-7 EC No: 215-535-7 Registration No: 01-2119488216-32-XXXX | [1] [2] xylene | 10 - 25 % | Acute Tox. 4 *, H312 - Acute Tox. 4 *, H332 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315 | - |
| Index No: 607-024-00-6 CAS No: 108-21-4 EC No: 203-561-1 Registration No: 01-2119537214-46-XXXX | [2] isopropyl acetate | 10 - 20 % | Eye Irrit. 2, H319 - Flam. Liq. 2, H225 - STOT SE 3, H336 | - |
| Index No: 601-008-00-2 CAS No: 142-82-5 EC No: 205-563-8 Registration No: 01-2119457603-38-XXXX | [1] [2] heptane, n-heptane | 2.5 - 10 % | Aquatic Acute 1, H400 - Aquatic Chronic 1, H410 - Asp. Tox. 1, H304 - Flam. Liq. 2, H225 - STOT SE 3, H336 - Skin Irrit. 2, H315 | - |
| Index No: 603-001-00-X CAS No: 67-56-1 EC No: 200-659-6 Registration No: 01-2119433307-44-XXXX | [1] [2] methanol | 0.1 - 3 % | Acute Tox. 3 *, H311 - Acute Tox. 3 *, H331 - Acute Tox. 3 *, H301 - Flam. Liq. 2, H225 - STOT SE 1, H370 ** | STOT SE 1, H370: C ≥ 10 % STOT SE 2, H371: 3 % ≤ C < 10 % |

(*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

*, **, *** See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

[1] Substance with a European Union exposure limit in the workplace (see section 8.1).

[2] Substance with a national workplace exposure limit (see section 8.1).

SECTION 4: FIRST AID MEASURES.

IRRITANT MIXTURE. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Don't let the person to rub the affected eye.

Skin contact.

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Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

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

Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate.

Harmful Product, prolonged exposure due to inhalation may cause anaesthetic effects and the need for immediate medical assistance.

Long-term chronic exposure may result in injury to certain organs or tissues.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Keep the person comfortable. Turn him/her over to the left side and stay there while waiting for medical care.

SECTION 5: FIREFIGHTING MEASURES.

The product is Highly flammable, it can cause or considerably worsen a fire, the necessary prevention measures should be taken and risks avoided. In case of fire, the following measures are recommended:

5.1 Extinguishing media.

Suitable extinguishing media:

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the substance or mixture.

Special risks.

Exposure to combustion or decomposition products can be harmful to your health.

During a fire and depending on its magnitude the following may occur:

- Carbon monoxide, carbon dioxide.
- Flammable vapors or gases.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Product residues and extinguishing media may contaminate the aquatic environment. Follow the instructions given in the emergency or fire evacuation plan or plans if available.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots. During extinction and depending on the magnitude and proximity to the fire, additional protective equipment such as chemical protection gloves, heat-reflecting suits or gas-tight suits may be required.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

Eliminate possible ignition points and ventilate the area. No smoking. Avoid breathing fumes. For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

6.3 Methods and material for containment and cleaning up.

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Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The product must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

The product can be electrostatically charged: always use earth grounds when transferring the product. Operators must use anti-static footwear and clothing, and floors must be conductors.

Keep the container tightly closed and isolated from heat sources, sparks, and fire. Do not use tools that can cause sparks. For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 25 ° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s).

Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

Work exposure limit for:

| Name | CAS No. | Country | Limit value | ppm | mg/m ³ |
|---------------|----------|------------------------------|-------------|------------|-------------------|
| ethyl acetate | 141-78-6 | European Union [1] | Eight hours | 200 | 734 |
| | | | Short term | 400 | 1468 |
| | | United Kingdom [2] | Eight hours | 200 | |
| | | | Short term | 400 | |
| | | Éire [3] | Eight hours | 200 | 734 |
| | | | Short term | 400 | 1468 |
| | | United States [4] (Cal/OSHA) | Eight hours | 400 | |
| | | | Short term | | |
| | | United States [5] (NIOSH) | Eight hours | 400 | |
| | | | Short term | | |
| | | United States [6] (OSHA) | Eight hours | 400 | 1400 |
| | | | Short term | | |
| toluene | 108-88-3 | European Union [1] | Eight hours | 50 (skin) | 192 (skin) |
| | | | Short term | 100 (skin) | 384 (skin) |
| | | United Kingdom [2] | Eight hours | 50 | 191 |
| | | | Short term | 100 | 384 |
| | | Éire [3] | Eight hours | 50 | 192 |
| | | | Short term | 100 | 384 |

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| | | United States [4] (Cal/OSHA) | Eight hours | 10 | |
| | | | Short term | 150 (Ceiling) | 500 |
| | | United States [5] (NIOSH) | Eight hours | 100 | |
| | | | Short term | 150 | |
| | | United States [6] (OSHA) | Eight hours | 200 | |
| | | | Short term | 300 Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift: 500 [10 min] | |
| propan-2-ol, isopropyl alcohol, isopropanol | 67-63-0 | United Kingdom [2] | Eight hours | 400 | 999 |
| | | | Short term | 500 | 1250 |
| | | Éire [3] | Eight hours | 200 | |
| | | | Short term | 400 | |
| | | United States [4] (Cal/OSHA) | Eight hours | 400 | |
| | | | Short term | 500 | |
| United States [6] (OSHA) | Eight hours | 400 | 980 | | |
| | Short term | | | | |
| methyl acetate | 79-20-9 | United Kingdom [2] | Eight hours | 200 | 616 |
| | | | Short term | 250 | 770 |
| | | Éire [3] | Eight hours | 200 | 610 |
| | | | Short term | 250 | 760 |
| Acetone | 67-64-1 | European Union [1] | Eight hours | 500 | 1210 |
| | | | Short term | | |
| | | United Kingdom [2] | Eight hours | 500 | 1210 |
| | | | Short term | 1500 | 3620 |
| | | Éire [3] | Eight hours | 500 | 1210 |
| | | | Short term | | |
| | | United States [4] (Cal/OSHA) | Eight hours | 500 | |
| | | | Short term | 750 (Ceiling) 3000 | |
| United States [6] (OSHA) | Eight hours | 250 | | | |
| | Short term | 1000 | 2400 | | |
| xylene | 1330-20-7 | European Union [1] | Eight hours | 50 (skin) | 221 (skin) |
| | | | Short term | 100 (skin) | 442 (skin) |
| | | United Kingdom [2] | Eight hours | 50 | 220 |
| | | | Short term | 100 | 441 |
| | | Éire [3] | Eight hours | 50 | 221 |
| | | | Short term | 100 | 442 |
| | | United States [4] (Cal/OSHA) | Eight hours | 100 | |
| | | | Short term | 150 (Ceiling) | 300 |
| United States [6] (OSHA) | Eight hours | 100 | 435 | | |
| | Short term | | | | |
| isopropyl acetate | 108-21-4 | United Kingdom [2] | Eight hours | | |
| | | | Short term | 200 | 849 |
| | | United States [4] (Cal/OSHA) | Eight hours | 250 | |
| | | | Short term | 310 | |
| United States [6] (OSHA) | Eight hours | 250 | 950 | | |
| | Short term | | | | |
| heptane, n-heptane | 142-82-5 | European Union [1] | Eight hours | 500 | 2085 |
| | | | Short term | | |
| | | United | Eight hours | 500 | 2085 |

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|-------------------|---------|------------------------------|--------------------|-----------------------|------------|
| methanol | 67-56-1 | Kingdom [2] | Short term | | |
| | | Éire [3] | Eight hours | 500 | 2085 |
| | | | Short term | | |
| | | European Union [1] | Eight hours | 200 (skin) | 260 (skin) |
| | | | Short term | | |
| | | United Kingdom [2] | Eight hours | 200 | 266 |
| | | | Short term | 250 | 333 |
| | | Éire [3] | Eight hours | 200 | 260 |
| | | | Short term | | |
| | | United States [4] (Cal/OSHA) | Eight hours | 200 | |
| | | | Short term | 250 (Ceiling) 1000 | |
| | | United States [5] (NIOSH) | Eight hours | 200 | |
| | | | Short term | 250 | |
| | | United States [6] (OSHA) | Eight hours | 200 | 260 |
| Short term | | | | | |

[1] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

[2] According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adopted by Health and Safety Executive.

[3] According Code of Practice for the Safety, Health and Welfare at Work (Chemicals Agents) Regulations adopted by Health and Safety Authority (HSA).

[4] California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

[5] National Institute for Occupational Safety and Health. NIOSH Recommendations for occupational safety and health, Compendium of Policy Documents and Statements, January, 1992, DHHS (NIOSH) Publication No. 92-100.

[6] Occupational Safety and Health Administration, United States Department of Labor. Permissible Exposure limits (PELs), California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

| Name | DNEL/DMEL | Type | Value |
|---|---|--|------------------------------------|
| ethyl acetate CAS No: 141-78-6 EC No: 205-500-4 | DNEL (Workers) | Inhalation, Chronic, Systemic effects | 734 (mg/m ³) |
| | DNEL (Workers) | Inhalation, Chronic, Local effects | 734 (mg/m ³) |
| | DNEL (Consumers) | Inhalation, Chronic, Local effects | 367 (mg/m ³) |
| | DNEL (Workers) | Inhalation, Short term, Local effects | 1468 (mg/m ³) |
| | DNEL (Consumers) | Inhalation, Short term, Local effects | 734 (mg/m ³) |
| | DNEL (Workers) | Dermal, Chronic, Systemic effects | 63 (mg/kg bw/day) |
| | DNEL (Consumers) | Dermal, Chronic, Systemic effects | 37 (mg/kg bw/day) |
| | toluene CAS No: 108-88-3 EC No: 203-625-9 | DNEL (Workers) | Inhalation, Chronic, Local effects |
| DNEL (Consumers) | | Inhalation, Chronic, Local effects | 56,5 (mg/m ³) |
| DNEL (Workers) | | Inhalation, Chronic, Systemic effects | 192 (mg/m ³) |
| DNEL (Consumers) | | Inhalation, Chronic, Systemic effects | 56,5 (mg/m ³) |
| DNEL (Workers) | | Inhalation, Short term, Systemic effects | 384 (mg/m ³) |
| DNEL (Consumers) | | Inhalation, Short term, Systemic effects | 226 (mg/m ³) |
| DNEL (Workers) | | Inhalation, Short term, Local effects | 384 (mg/m ³) |
| DNEL (Consumers) | | Inhalation, Short term, Local effects | 226 (mg/m ³) |
| DNEL (Workers) | | Dermal, Chronic, Systemic effects | 384 (mg/kg bw/day) |
| DNEL (Consumers) | | Dermal, Chronic, Systemic effects | 384 (mg/kg bw/day) |

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| | DNEL (Consumers) | Dermal, Chronic, Systemic effects | 226 (mg/kg bw/day) |
| | DNEL (Consumers) | Oral, Chronic, Systemic effects | 8,13 (mg/kg bw/day) |
| propan-2-ol, isopropyl alcohol, isopropanol CAS No: 67-63-0 EC No: 200-661-7 | DNEL (Workers) | Inhalation, Chronic, Systemic effects | 500 (mg/m ³) |
| | DNEL (Consumers) | Inhalation, Chronic, Systemic effects | 89 (mg/m ³) |
| | DNEL (Workers) | Dermal, Chronic, Systemic effects | 888 (mg/kg bw/day) |
| | DNEL (Consumers) | Dermal, Chronic, Systemic effects | 319 (mg/kg bw/day) |
| | DNEL (Consumers) | Oral, Chronic, Systemic effects | 26 (mg/kg bw/day) |
| methyl acetate CAS No: 79-20-9 EC No: 201-185-2 | DNEL (Workers) | Inhalation, Chronic, Local effects | 305 (mg/m ³) |
| | DNEL (Workers) | Inhalation, Chronic, Systemic effects | 610 (mg/m ³) |
| Acetone CAS No: 67-64-1 EC No: 200-662-2 | DNEL (Workers) | Inhalation, Chronic, Systemic effects | 1210 (mg/m ³) |
| | DNEL (Consumers) | Inhalation, Chronic, Systemic effects | 200 (mg/m ³) |
| | DNEL (Workers) | Inhalation, Short term, Local effects | 2420 (mg/m ³) |
| | DNEL (Workers) | Dermal, Chronic, Systemic effects | 186 (mg/kg bw/day) |
| | DNEL (Consumers) | Dermal, Chronic, Systemic effects | 62 (mg/kg bw/day) |
| | DNEL (Consumers) | Oral, Chronic, Systemic effects | 62 (mg/kg bw/day) |
| xylene CAS No: 1330-20-7 EC No: 215-535-7 | DNEL (Workers) | Inhalation, Chronic, Systemic effects | 77 (mg/m ³) |
| isopropyl acetate CAS No: 108-21-4 EC No: 203-561-1 | DNEL (Workers) | Inhalation, Chronic, Local effects | 420 (mg/m ³) |
| | DNEL (Consumers) | Inhalation, Chronic, Local effects | 252 (mg/m ³) |
| | DNEL (Workers) | Inhalation, Chronic, Systemic effects | 420 (mg/m ³) |
| | DNEL (Consumers) | Inhalation, Chronic, Systemic effects | 252 (mg/m ³) |
| | DNEL (Workers) | Inhalation, Short term, Systemic effects | 850 (mg/m ³) |
| | DNEL (Consumers) | Inhalation, Short term, Systemic effects | 510 (mg/m ³) |
| | DNEL (Workers) | Dermal, Chronic, Systemic effects | 43 (mg/kg bw/day) |
| | DNEL (Consumers) | Dermal, Chronic, Systemic effects | 26 (mg/kg bw/day) |
| | DNEL (Consumers) | Oral, Chronic, Systemic effects | 26 (mg/kg bw/day) |
| heptane, n-heptane CAS No: 142-82-5 EC No: 205-563-8 | DNEL (Workers) | Inhalation, Chronic, Systemic effects | 2085 (mg/m ³) |
| methanol CAS No: 67-56-1 EC No: 200-659-6 | DNEL (Workers) | Inhalation, Chronic, Local effects | 260 (mg/m ³) |
| | DNEL (Consumers) | Inhalation, Chronic, Local effects | 50 (mg/m ³) |
| | DNEL (Workers) | Inhalation, Chronic, Systemic effects | 260 (mg/m ³) |

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|--|------------------|---------------------------------------|-------------------------|
| | DNEL (Consumers) | Inhalation, Chronic, Systemic effects | 50 (mg/m ³) |
| | DNEL (Workers) | Dermal, Chronic, Systemic effects | 40 (mg/kg bw/day) |
| | DNEL (Consumers) | Dermal, Chronic, Systemic effects | 8 (mg/kg bw/day) |
| | DNEL (Workers) | Dermal, Short term, Systemic effects | 40 (mg/kg bw/day) |
| | DNEL (Consumers) | Dermal, Short term, Systemic effects | 8 (mg/kg bw/day) |

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Concentration levels PNEC:

| Name | Details | Value |
|--|------------------------------|---------------------------|
| ethyl acetate CAS No: 141-78-6 EC No: 205-500-4 | aqua (freshwater) | 0,24 (mg/L) |
| | aqua (marine water) | 0,024 (mg/L) |
| | aqua (intermittent releases) | 1,65 (mg/L) |
| | sediment (freshwater) | 1,15 (mg/L) |
| | sediment (marine water) | 0,115 (mg/L) |
| | Soil | 0,148 (mg/kg soil dw) |
| | STP | 650 (mg/L) |
| | oral (Hazard for predators) | 0,2 (g/kg food) |
| toluene CAS No: 108-88-3 EC No: 203-625-9 | aqua (freshwater) | 0,68 (mg/L) |
| | aqua (marine water) | 0,68 (mg/L) |
| | aqua (intermittent releases) | 0,68 (mg/L) |
| | STP | 13,61 (mg/L) |
| | sediment (freshwater) | 16,39 (mg/kg sediment dw) |
| | sediment (marine water) | 16,39 (mg/kg sediment dw) |
| propan-2-ol, isopropyl alcohol, isopropanol CAS No: 67-63-0 EC No: 200-661-7 | aqua (freshwater) | 140,9 (mg/L) |
| | aqua (marine water) | 140,9 (mg/L) |
| | aqua (intermittent releases) | 140,9 (mg/L) |
| | sediment (freshwater) | 552 (mg/kg sediment dw) |
| | sediment (marine water) | 552 (mg/kg sediment dw) |
| | Soil | 28 (mg/kg soil dw) |
| | STP | 2251 (mg/L) |
| | oral (Hazard for predators) | 160 (mg/kg food) |
| Acetone CAS No: 67-64-1 EC No: 200-662-2 | aqua (freshwater) | 10,6 (mg/L) |
| | aqua (marine water) | 1,06 (mg/L) |
| | aqua (intermittent releases) | 21 (mg/L) |
| | STP | 100 (mg/L) |
| | sediment (freshwater) | 30,04 (mg/kg sediment dw) |
| | sediment (marine water) | 3,04 (mg/kg sediment dw) |
| | soil | 29,5 (mg/kg soil dw) |
| isopropyl acetate CAS No: 108-21-4 EC No: 203-561-1 | aqua (freshwater) | 0,22 (mg/L) |
| | aqua (marine water) | 0,022 (mg/L) |
| | aqua (intermittent releases) | 1,1 (mg/L) |
| | STP | 190 (mg/L) |
| | sediment (freshwater) | 1,25 (mg/kg sediment dw) |

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| | | |
|---|------------------------------|---------------------------|
| | sediment (marine water) | 0,125 (mg/kg sediment dw) |
| | soil | 0,35 (mg/kg soil dw) |
| methanol CAS No: 67-56-1 EC No: 200-659-6 | aqua (freshwater) | 20,8 (mg/L) |
| | aqua (marine water) | 2,08 (mg/L) |
| | aqua (intermittent releases) | 1540 (mg/L) |
| | STP | 100 (mg/L) |
| | sediment (freshwater) | 77 (mg/kg sediment dw) |
| | sediment (marine water) | 7,7 (mg/kg sediment dw) |
| | soil | 3,18 (mg/kg soil dw) |

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

| | | | |
|------------------------------|---|---------------------------|-------|
| Concentration: | 100 % | | |
| Uses: | Paint Thinner and Cleaning | | |
| Breathing protection: | | | |
| PPE: | Filter mask for protection against gases and particles. | | |
| Characteristics: | «CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight. | | |
| CEN standards: | EN 136, EN 140, EN 405 | | |
| Maintenance: | Should not be stored in places exposed to high temperatures and damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adaptor. | | |
| Observations: | Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer. | | |
| Filter Type needed: | A2 | | |
| Hand protection: | | | |
| PPE: | Protective gloves against chemicals. | | |
| Characteristics: | «CE» marking, category III. | | |
| CEN standards: | EN 374-1, En 374-2, EN 374-3, EN 420 | | |
| Maintenance: | Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives. | | |
| Observations: | Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands. | | |
| Material: | PVC (polyvinyl chloride) | Breakthrough time (min.): | > 480 |
| | | Material thickness (mm): | 0,35 |
| Eye protection: | | | |
| PPE: | Protective goggles with built-in frame. | | |
| Characteristics: | «CE» marking, category II. Eye protector with built-in frame for protection against dust, smoke, fog and vapour. | | |
| CEN standards: | EN 165, EN 166, EN 167, EN 168 | | |
| Maintenance: | Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions. | | |
| Observations: | Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc. | | |
| Skin protection: | | | |
| PPE: | Anti-static protective clothing. | | |
| Characteristics: | «CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements. | | |
| CEN standards: | EN 340, EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5 | | |
| Maintenance: | In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer. | | |

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| | |
|------------------|--|
| Observations: | The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use. |
| PPE: | Anti-static safety footwear. |
| Characteristics: | «CE» marking, category II. |
| CEN standards: | EN ISO 13287, EN ISO 20344, EN ISO 20346 |
| Maintenance: | The footwear should be checked regularly |
| Observations: | The level of comfort during use and acceptability are factors that are assessed very differently depending on the user. Therefore, it is advisable to try on different footwear models and, if possible, different widths. |



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Physical state: Liquid

Colour: Clear/ Colourless

Odour: Typical

Odour threshold: Not applicable/Not available due to the nature/properties of the product

Melting point: Not applicable/Not available due to the nature/properties of the product

Freezing point: Not applicable/Not available due to the nature/properties of the product

Boiling point or initial boiling point and boiling range: Not applicable/Not available due to the nature/properties of the product

Flammability: Not applicable/Not available due to the nature/properties of the product

Lower explosion limit: Not applicable/Not available due to the nature/properties of the product

Upper explosion limit: Not applicable/Not available due to the nature/properties of the product

Flash point: -5 °C

Auto-ignition temperature: Not applicable/Not available due to the nature/properties of the product

Decomposition temperature: Not applicable/Not available due to the nature/properties of the product

pH: 7-9

Kinematic viscosity: Not applicable/Not available due to the nature/properties of the product

Solubility: Not applicable/Not available due to the nature/properties of the product

Hydrosolubility: Not applicable/Not available due to the nature/properties of the product

Liposolubility: Not applicable/Not available due to the nature/properties of the product

Partition coefficient n-octanol/water (log value): Not applicable/Not available due to the nature/properties of the product

Vapour pressure: Not applicable/Not available due to the nature/properties of the product

Absolute density: Not applicable/Not available due to the nature/properties of the product

Relative density: Not applicable/Not available due to the nature/properties of the product

Relative vapour density: Not applicable/Not available due to the nature/properties of the product

Particle characteristics: Not applicable/Not available due to the nature/properties of the product

9.2 Other information

Information with regard to physical hazard classes

Flammable liquids:

Sustained combustibility: Yes.

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present hazards by their reactivity.

10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

10.4 Conditions to avoid.

Avoid any improper handling.

10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

10.6 Hazardous decomposition products.

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Depending on conditions of use, can be generated the following products:

- COx (carbon oxides).
- Organic compounds.
- Aromatics compounds.

SECTION 11: TOXICOLOGICAL INFORMATION.

IRRITANT MIXTURE. Splashes in the eyes can cause irritation.

IRRITANT MIXTURE. The inhalation of spray mist or suspended particulates can irritate the respiratory tract. It can also cause serious respiratory difficulties, central nervous system disorders, and in extreme cases, unconsciousness.

IRRITANT MIXTURE. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

11.1 Information on hazard classes as defined in Regulation (EC) N° 1272/2008.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Toxicological information about the substances present in the composition.

| Name | Acute toxicity | | | |
|--|----------------|------|--------------|---|
| | Type | Test | Kind | Value |
| propan-2-ol, isopropyl alcohol, isopropanol CAS No: 67-63-0 EC No: 200-661-7 | Oral | LD50 | Rat | 5050 mg/kg bw [1] [1] Gigena i Sanitariya. For English translation, see HYSAAV. Vol. 43(1), Pg. 8, 1978 |
| | Dermal | LD50 | Rabbit | 12800 mg/kg bw [1] [1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 100, 1974 |
| | Inhalation | LC50 | Rat | >10000 ppm (6 h) [1] [1] OECD Guideline 403 (Acute Inhalation Toxicity), study report, 1991 |
| Acetone CAS No: 67-64-1 EC No: 200-662-2 | Oral | LD50 | Rat | 5800 mg/kg bw [1] [1] Journal of Toxicology and Environmental Health. Vol. 15, Pg. 609, 1985 |
| | Dermal | | | |
| | Inhalation | | | |
| xylene CAS No: 1330-20-7 EC No: 215-535-7 | Oral | LD50 | Rat | 4300 mg/kg bw [1] [1] AMA Archives of Industrial Health. Vol. 14, Pg. 387, 1956 |
| | Dermal | LD50 | Rabbit | > 1700 mg/kg bw [1] [1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 123, 1974 |
| | Inhalation | LC50 | Rat | 21,7 mg/l/4 h [1] [1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 123, 1974 |
| isopropyl acetate | Oral | LD50 | Rat | 6750 mg/kg bw [1] [1] Union Carbide Data Sheet. Vol. 3/24/1970 |
| | Dermal | LD50 | Rabbit | > 17400 mg/kg bw [1] [1] AMA Archives of Industrial Hygiene and Occupational Medicine. Vol. 10, Pg. 61, 1954 |
| | Inhalation | LC50 | Rat (female) | 50600 mg/m ³ air (8 h) [1] |

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|------------------|------------------|------------|--|
| CAS No: 108-21-4 | EC No: 203-561-1 | | [1] Experimental result, 1959. The Toxicological Basis of Threshold Limit Values: 5. The Experimental Inhalation of Vapor Mixtures by Rats, with Notes upon the relationship between single dose inhalation and single dose oral data. Pozzani, U.C., Weil, C.S. and Carpenter, C.P. 1959. |
| methanol | | Oral | LD50 Rat 5630 mg/kg bw [1] [1] Gigiena Truda i Professional'nye Zabolevaniya. Labor Hygiene and Occupational Diseases. Vol. 19(11), Pg. 27, 1975 |
| | | Dermal | LD50 Rabbit 15800 mg/kg bw [1] [1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 74, 1974 |
| | | Inhalation | LC50 Rat 83.9 mg/l (4 h) [1] [1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 74, 1974 |
| CAS No: 67-56-1 | EC No: 200-659-6 | | |

a) acute toxicity;

Not conclusive data for classification.

Acute Toxicity Estimate (ATE):

Mixtures:

ATE (Dermal) = 8.049 mg/kg

ATE (Oral) = 10.000 mg/kg

b) skin corrosion/irritation;

Product classified:

Skin irritant, Category 2: Causes skin irritation.

c) serious eye damage/irritation;

Product classified:

Eye irritation, Category 2: Causes serious eye irritation.

d) respiratory or skin sensitisation;

Not conclusive data for classification.

e) germ cell mutagenicity;

Not conclusive data for classification.

f) carcinogenicity;

Not conclusive data for classification.

g) reproductive toxicity;

Product classified:

Reproductive toxicant, Category 2: Suspected of damaging fertility or the unborn child.

h) STOT-single exposure;

Product classified:

Specific target organ toxicity following a single exposure, Category 3: May cause drowsiness or dizziness.

i) STOT-repeated exposure;

Product classified:

Specific target organ toxicity following a repeated exposure, Category 2: May cause damage to organs through prolonged or repeated exposure.

j) aspiration hazard;

Product classified:

Aspiration toxicity, Category 1: May be fatal if swallowed and enters airways.

11.2 Information on other hazards.

Endocrine disrupting properties

This product does not contain components with endocrine-disrupting properties with effects on human health.

Other information

There is no information available on other adverse health effects.

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SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

| Name | Ecotoxicity | | | |
|--|-----------------------|--------------------|----------------------------|--|
| | Type | Test | Kind | Value |
| ethyl acetate CAS No: 141-78-6 EC No: 205-500-4 | Fish | LC50 | Pimephales promelas | 230 mg/l (96 h) [1] [1] US EPA method E03-05, 1984 |
| | Aquatic invertebrates | EC50 | Hydra Oligactis (Hydrozoa) | 1350 mg/l (48 h) [1] [1] Aquat. Toxicol. 4, 73 - 82, Slooff, W. 1983 |
| | Aquatic plants | EC50 | Algae | 2500 mg/l (96 h) [1] [1] Slooff, W. 1982. A Comparative Study on the Short-Term Effects of 15 Chemicals on Fresh Water Organisms of Different Tropic Levels. Natl.Tech.Inf.Serv., Springfield, VA :25 p. (DUT) (ENG ABS) (NTIS/PB83-200386) |
| toluene CAS No: 108-88-3 EC No: 203-625-9 | Fish | LC50 | Fish | 31,7 mg/l (96 h) [1] [1] Geiger, D.L., L.T. Brooke, and D.J. Call 1990. Acute Toxicities of Organic Chemicals to Fathead Minnows (Pimephales promelas), Volume 5. Ctr.for Lake Superior Environ.Stud., Univ.of Wisconsin-Superior, Superior, WI :332 p |
| | Aquatic invertebrates | LC50 | Crustacean | 92 mg/l (48 h) [1] [1] MacLean, M.M., and K.G. Doe 1989. The Comparative Toxicity of Crude and Refined Oils to Daphnia magna and Artemia. Environment Canada, EE-111, Dartmouth, Nova Scotia :64 p |
| | Aquatic plants | EC50 | Algae | 12,5 mg/l (72 h) [1] [1] Galassi, S., M. Mingazzini, L. Vigano, D. Cesareo, and M.L.Tosato 1988. Approaches to Modeling Toxic Responses of Aquatic Organisms to Aromatic Hydrocarbons. Ecotoxicol.Environ.Saf. 16(2):158-169 |
| propan-2-ol, isopropyl alcohol, isopropanol CAS No: 67-63-0 EC No: 200-661-7 | Fish | LC50 | Fish | 9640 mg/l (96 h) [1] [1] Brooke, L.T., D.J. Call, D.L. Geiger, and C.E. Northcott 1984. Acute Toxicities of Organic Chemicals to Fathead Minnows (Pimephales promelas), Vol. 1. Center for Lake Superior Environmental Stud., Univ.of Wisconsin-Superior, Superior, WI :414 |
| | Aquatic invertebrates | LC50 | Crustacean | 1400 mg/l (48 h) [1] [1] Blackman, R.A.A. 1974. Toxicity of Oil-Sinking Agents. Mar.Pollut.Bull. 5:116-118 |
| | Aquatic plants | Toxicity threshold | Scenedesmus quadricauda | 1800 mg/L (7 d) [1] [1] Comparison of the Toxicity Thresholds of Water Pollutants to Bacteria, Algae, and Protozoa in the Cell Multiplication Inhibition Test, Water Research Vol. 14. pp. 231 to 241 |
| Acetone | Fish | LC50 | Fish | 8300 mg/l (96 h) [1] |

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| CAS No: 67-64-1 EC No: 200-662-2 | | [1] Cairns, J.Jr., and A. Scheier 1968. A Comparison of the Toxicity of Some Common Industrial Waste Components Tested Individually and Combined. Prog.Fish-Cult. 30(1):3-8 |
| | Aquatic invertebrates | LC50 Crustacean 8450 mg/l (48 h) [1] [1] Cowgill, U.M., and D.P. Milazzo 1991. The Sensitivity of Ceriodaphnia dubia and Daphnia magna to Seven Chemicals Utilizing the Three-Brood Test. Arch.Enviroin.Contam.Toxicol. 20(2):211-217. Canton, J.H., and D.M.M. Adema 1978. Reproducibility of Short-Term and Reproduction Toxicity Experiments with Daphnia magna and Comparison of the Sensitivity of Daphnia magna with Daphnia pulex and Daphnia cucullata in Short-Term Experiments. Hydrobiologia 59(2):135-140 (Used Reference 2018) |
| | Aquatic plants | EC50 Algae 7200 mg/l (96 h) [1] [1] Slooff, W. 1982. A Comparative Study on the Short-Term Effects of 15 Chemicals on Fresh Water Organisms of Different Tropic Levels. Natl.Tech.Inf.Serv., Springfield, VA :25 p. (DUT) (ENG ABS) (NTIS/PB83-200386) |
| xylene | Fish | LC50 Fish 15,7 mg/l (96 h) [1] [1] Bailey, H.C., D.H.W. Liu, and H.A. Javitz 1985. Time/Toxicity Relationships in Short-Term Static, Dynamic, and Plug-Flow Bioassays. In: R.C.Bahner and D.J.Hansen (Eds.), Aquatic Toxicology and Hazard Assessment, 8th Symposium, ASTM STP 891, Philadelphia, PA :193-212 |
| | Aquatic invertebrates | LC50 Crustacean 8,5 mg/l (48 h) [1] [1] Tatem, H.E., B.A. Cox, and J.W. Anderson 1978. The Toxicity of Oils and Petroleum Hydrocarbons to Estuarine Crustaceans. Estuar.Coast.Mar.Sci. 6(4):365-373. Tatem, H.E. 1975. The Toxicity and Physiological Effects of Oil and Petroleum Hydrocarbons on Estuarine Grass Shrimp Palaemonetes pugio (Holthuis). Ph.D.Thesis, Texas A&M University, College Station, TX :133 p |
| | Aquatic plants | |
| isopropyl acetate | Fish | LC50 Leuciscus idus melanotus 360 mg/l (48 h) [1] [1] Experimental result, 1978. Bestimmung der Wirkung von Wasserinhaltsstoffen auf Fische, DIN38412 Teil 15. draft proposal. |
| | Aquatic invertebrates | EC50 Daphnia magna 1260 mg/l (24 h) [1] [1] Experimental result, 1977. DIN 38412 pt 11 |
| | Aquatic plants | EC50 Pseudokirchnerella subcapitata 370 mg/l (72 h) [1] [1] Review article or handbook, 1999. OECD Guideline 201 (Alga, Growth Inhibition Test). |
| methanol | Fish | LC50 Trachinotus carolinus 10112 mg/L (24 h) [1] [1] Baltz, D. M. et al., Transactions of the American Fisheries Society 134: 730-740, 2005 |
| | Aquatic invertebrates | EC50 Daphnia magna 20803 mg/L (24 h) [1] [1] Environmental Toxicology and Chemistry 14(12): 2085-2088, 1995 |
| | Aquatic plants | EC50 Selenastrum capricornutum 22000 mg/L (96 h) [1] |

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|-----------------|------------------|---|
| CAS No: 67-56-1 | EC No: 200-659-6 | [1] Ecotoxicology and Environmental Safety 71: 166-1711, 2008 |
|-----------------|------------------|---|

12.2 Persistence and degradability.

No information is available regarding the biodegradability of the substances present.

No information is available on the degradability of the substances present.

No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

| Name | Bioaccumulation | | | |
|---|-----------------|-----|-----------|-----------|
| | Log Pow | BCF | NOECs | Level |
| ethyl acetate CAS No: 141-78-6 EC No: 205-500-4 | 0,73 | - | 9,65 mg/L | Very high |
| toluene CAS No: 108-88-3 EC No: 203-625-9 | 2,73 | - | - | Very high |
| propan-2-ol, isopropyl alcohol, isopropanol CAS No: 67-63-0 EC No: 200-661-7 | 0,05 | - | - | High |
| methyl acetate CAS No: 79-20-9 EC No: 201-185-2 | 0,18 | - | - | Very high |
| Acetone CAS No: 67-64-1 EC No: 200-662-2 | -0,24 | 3 | - | Very low |
| isopropyl acetate CAS No: 108-21-4 EC No: 203-561-1 | 1,02 | - | - | Very high |
| heptane, n-heptane CAS No: 142-82-5 EC No: 205-563-8 | 4,66 | - | - | Very high |
| methanol CAS No: 67-56-1 EC No: 200-659-6 | -0,74 | - | - | Very low |

12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Endocrine disrupting properties.

This product doesn't contain components with environmental endocrine disrupting properties.

12.7 Other adverse effects.

No information is available about other adverse effects for the environment.

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SECTION 13: DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

Land: Transport by road: ADR, Transport by rail: RID.

Transport documentation: Consignment note and written instructions

Sea: Transport by ship: IMDG.

Transport documentation: Bill of lading

Air: Transport by plane: ICAO/IATA.

Transport document: Airway bill.

14.1 UN number or ID number.

UN No: UN1263

14.2 UN proper shipping name.

Description:

ADR/RID: UN 1263, PAINT RELATED MATERIAL, 3, PG II, (D/E)

IMDG: UN 1263, PAINT RELATED MATERIAL (HEPTANE N-HEPTANE), 3, PG II, MARINE POLLUTANT

ICAO/IATA: UN 1263, PAINT RELATED MATERIAL, 3, PG II

14.3 Transport hazard class(es).

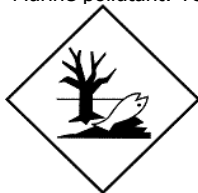
Class(es): 3

14.4 Packing group.

Packing group: II

14.5 Environmental hazards.

Marine pollutant: Yes



Dangerous for the environment

Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): F-E,S-E

14.6 Special precautions for user.

Labels: 3



Hazard number: 33

ADR LQ: 5 L

IMDG LQ: 5 L

ICAO LQ: 1 L

Provisions concerning carriage in bulk ADR: Not authorized carriage in bulk in accordance with ADR.

Proceed in accordance with point 6.

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14.7 Maritime transport in bulk according to IMO instruments.

The product is not transported in bulk.

SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): N/A

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles:

| Designation of the substance, of the group of substances or of the mixture | Conditions of restriction |
|--|--|
| 48. Toluene CAS No 108-88-3 EC No 203-625-9 | Shall not be placed on the market, or used, as a substance or in mixtures in a concentration equal to or greater than 0,1 % by weight where the substance or mixture is used in adhesives or spray paints intended for supply to the general public. |

15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

| | |
|-------|--|
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| 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. |
| H361d | Suspected of damaging the unborn child. |
| H370 | Causes damage to organs. |
| H371 | May cause 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. |

Classification codes:

Acute Tox. 3 : Acute toxicity (Dermal), Category 3
Acute Tox. 3 : Acute toxicity (Inhalation), Category 3
Acute Tox. 3 : Acute toxicity (Oral), Category 3
Acute Tox. 4 : Acute toxicity (Dermal), Category 4
Acute Tox. 4 : Acute toxicity (Inhalation), Category 4
Aquatic Acute 1 : Acute toxicity to the aquatic environment, Category 1
Aquatic Chronic 1 : Chronic effect to the aquatic environment, Category 1
Aquatic Chronic 2 : Chronic effect to the aquatic environment, Category 2
Asp. Tox. 1 : Aspiration toxicity, Category 1
Eye Irrit. 2 : Eye irritation, Category 2

-Continued on next page.-

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



1-Standard Thinners Plus

Version 1 Date of compilation: 29/05/2020

Version 10 (replaces version 9)

Revision date: 07/06/2023

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Print date: 07/06/2023

Flam. Liq. 2 : Flammable liquid, Category 2
Flam. Liq. 3 : Flammable liquid, Category 3
Repr. 2 : Reproductive toxicant, Category 2
STOT RE 2 : Specific target organ toxicity following a repeated exposure, Category 2
STOT SE 1 : Specific target organ toxicity following a single exposure, Category 1
STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3
Skin Irrit. 2 : Skin irritant, Category 2

Changes regarding to the previous version:

- Modification of specific hazards (SECTION 2.3).
- Changes in the composition of the product (SECTION 3.2).
- Modification in the firefighting measures (SECTION 5.2).
- Modifications in the accidental release measures (SECTION 6.1).
- Modifications in the accidental release measures (SECTION 6.2).
- Modification of exposure data (SECTION 8.1).
- Modification in the values of the physical and chemical properties (SECTION 9).
- Change in the hazard classification (SECTION 11.1).
- Modification of the classification ADR/IMDG/ICAO/IATA/RID (SECTION 14).
- Elimination of abbreviations and acronyms (SECTION 16).
- Addition of abbreviations and acronyms (SECTION 16).

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| | |
|-----------------------|-----------------------|
| Physical hazards | On basis of test data |
| Health hazards | Calculation method |
| Environmental hazards | Calculation method |

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:

ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road.

BCF: Bioconcentration factor.

CEN: European Committee for Standardization.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

EC50: Half maximal effective concentration.

PPE: Personal protection equipment.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

IMDG: International Maritime Code for Dangerous Goods.

LC50: Lethal concentration, 50%.

LD50: Lethal dose, 50%.

NOEC: No observed effect concentration.

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2020/878.

Regulation (EC) No 1907/2006.

Regulation (EC) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.