



Safety Data Sheet according to (EC) No 1907/2006 as amended

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LOCTITE SF 7063

SDS No. : 179512

V007.2

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

1.1. Product identifier

LOCTITE SF 7063

UFI: WJDX-NWH6-X20H-Y91T

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

Intended use:

Industrial Cleaning Agents

1.3. Details of the supplier of the safety data sheet

Henkel AG & Co. KGaA

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40589 Düsseldorf

Germany

Phone: +49 211 797 0

SDSinfo.Adhesive@henkel.com

For Safety Data Sheet updates please visit our website www.mysds.henkel.com or www.henkel-adhesives.com.

1.4. Emergency telephone number

The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

| | |
|---|------------|
| Aerosol | Category 1 |
| H222 Extremely flammable aerosol. | |
| H229 Pressurized container: May burst if heated. | |
| Skin irritation | Category 2 |
| H315 Causes skin irritation. | |
| Specific target organ toxicity - single exposure | Category 3 |
| H336 May cause drowsiness or dizziness. | |
| Target organ: Central nervous system | |
| Chronic hazards to the aquatic environment | Category 2 |
| H411 Toxic to aquatic life with long lasting effects. | |

2.2. Label elements

Label elements (CLP):

Hazard pictogram:



Contains

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Signal word:

Danger

Hazard statement:

H222 Extremely flammable aerosol.
H229 Pressurized container: May burst if heated.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statement:

***** **For consumer use only: P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P501 Dispose of contents/container in accordance with national regulation.***
P251 Do not pierce or burn, even after use.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50.DEGREE.C/122.DEGREE.F.
P211 Do not spray on an open flame or other ignition source.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P102 Keep out of reach of children.

**Precautionary statement:
Prevention**

P273 Avoid release to the environment.
P261 Avoid breathing spray.

**Precautionary statement:
Response**

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

2.3. Other hazards

None if used properly.

Following substances are present in a concentration \geq the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

This mixture does not contain any substances in a concentration \geq the concentration limit for depiction in Section 3 that are assessed to be a PBT, vPvB or ED.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Declaration of the ingredients according to CLP (EC) No 1272/2008:

| Hazardous components CAS-No. EC Number REACH-Reg No. | Concentration | Classification | Specific Conc. Limits, M-factors and ATEs | Add. Information |
|---|----------------------|---|--|-------------------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ----- 921-024-6 01-2119475514-35 | 25- 50 % | Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411 | | |
| Ethanol 64-17-5 200-578-6 01-2119457610-43 | 10- 20 % | Eye Irrit. 2, H319 Flam. Liq. 2, H225 | Eye Irrit. 2; H319; C >= 50 % | |
| Methylal 109-87-5 203-714-2 01-2119664781-31 | 10- 20 % | Flam. Liq. 2, H225 | | |
| cyclohexane 110-82-7 203-806-2 01-2119463273-41 | 5- < 10 % | Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Flam. Liq. 2, H225 Skin Irrit. 2, H315 | M acute = 1 M chronic = 1 | EU OEL |
| Carbon dioxide 124-38-9 204-696-9 | 5- < 10 % | Press. Gas H280 | | EU OEL |
| Propan-2-ol 67-63-0 200-661-7 01-2119457558-25 | 1- < 5 % | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 | | |
| n-Hexane 110-54-3 203-777-6 01-2119480412-44 | 1- < 3 % | Flam. Liq. 2, H225 Repr. 2, H361f Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411 | STOT RE 2; H373; C >= 5 % | EU OEL |

If no ATE values are displayed, please refer to LD/LC50 values in Section 11.

For full text of the H - statements and other abbreviations see section 16 "Other information".

The hazard classification of this product is based solely on the mixture present within the aerosol, excluding the propellant gases. The information provided in Section 3 is based on the combination of the mixture and propellant gases.

Declaration of ingredients according to Detergent Regulation 648/2004/EC

> 30 % aliphatic hydrocarbons

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

Inhalation:

Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:

Rinse with running water and soap.

Obtain medical attention if irritation persists.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

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

SKIN: Redness, inflammation.

Vapors may cause drowsiness and dizziness.

Prolonged or repeated contact may cause eye irritation.

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

See section: Description of first aid measures

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

water, carbon dioxide, foam, powder

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

5.2. Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x) can be released.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Additional information:

In case of fire, keep containers cool with water spray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition.

Avoid contact with skin and eyes.

Wear protective equipment.

Ensure adequate ventilation.

6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up

Dispose of contaminated material as waste according to Section 13.

For small spills wipe up with paper towel and place in container for disposal.

For large spills absorb onto inert absorbent material and place in sealed container for disposal.

6.4. Reference to other sections

See advice in section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid skin and eye contact.

See advice in section 8

Hygiene measures:

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

Good industrial hygiene practices should be observed.

7.2. Conditions for safe storage, including any incompatibilities

Ensure good ventilation/extraction.

Refer to Technical Data Sheet.

7.3. Specific end use(s)

Industrial Cleaning Agents

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational Exposure Limits**Valid for
Germany

| Ingredient [Regulated substance] | ppm | mg/m ³ | Value type | Short term exposure limit category / Remarks | Regulatory list |
|--|-------|-------------------|-------------------------------------|--|-----------------|
| Ethanol 64-17-5 | | | Short Term Exposure Classification: | Category II: substances with a resorptive effect. | TRGS 900 |
| Ethanol 64-17-5 | 200 | 380 | Exposure limit(s): | 4 If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7). | TRGS 900 |
| Dimethoxymethane 109-87-5 | | | Short Term Exposure Classification: | Category II: substances with a resorptive effect. | TRGS 900 |
| Dimethoxymethane 109-87-5 | 500 | 1.600 | Exposure limit(s): | 2 If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7). | TRGS 900 |
| Cyclohexane 110-82-7 [CYCLOHEXANE] | 200 | 700 | Time Weighted Average (TWA): | Indicative | ECTLV |
| Cyclohexane 110-82-7 | 200 | 700 | Exposure limit(s): | 4 | TRGS 900 |
| Cyclohexane 110-82-7 | | | Short Term Exposure Classification: | Category II: substances with a resorptive effect. | TRGS 900 |
| Carbon dioxide 124-38-9 | | | | | |
| Carbon dioxide 124-38-9 [CARBON DIOXIDE] | 5.000 | 9.000 | Time Weighted Average (TWA): | Indicative | ECTLV |
| Carbon dioxide 124-38-9 | 5.000 | 9.100 | Exposure limit(s): | 2 | TRGS 900 |
| Carbon dioxide 124-38-9 | | | Short Term Exposure Classification: | Category II: substances with a resorptive effect. | TRGS 900 |
| n-Hexane 110-54-3 [N-HEXANE] | 20 | 72 | Time Weighted Average (TWA): | Indicative | ECTLV |
| n-Hexane 110-54-3 | 50 | 180 | Exposure limit(s): | 8 If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7). | TRGS 900 |
| n-Hexane 110-54-3 | | | Short Term Exposure Classification: | Category II: substances with a resorptive effect. | TRGS 900 |
| Propan-2-ol 67-63-0 | | | Short Term Exposure Classification: | Category II: substances with a resorptive effect. | TRGS 900 |
| Propan-2-ol 67-63-0 | 200 | 500 | Exposure limit(s): | 2 If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7). | TRGS 900 |

Predicted No-Effect Concentration (PNEC):

| Name on list | Environmental Compartment | Exposure period | Value | | | | Remarks |
|------------------------------|------------------------------------|--------------------|----------------|-----|-----------------|--------|-------------------------------------|
| | | | mg/l | ppm | mg/kg | others | |
| Ethanol 64-17-5 | aqua (freshwater) | | 0,96 mg/l | | | | |
| Ethanol 64-17-5 | aqua (marine water) | | 0,79 mg/l | | | | |
| Ethanol 64-17-5 | aqua (intermittent releases) | | 2,75 mg/l | | | | |
| Ethanol 64-17-5 | sewage treatment plant (STP) | | 580 mg/l | | | | |
| Ethanol 64-17-5 | sediment (freshwater) | | | | 3,6 mg/kg | | |
| Ethanol 64-17-5 | sediment (marine water) | | | | 2,9 mg/kg | | |
| Ethanol 64-17-5 | Soil | | | | 0,63 mg/kg | | |
| Ethanol 64-17-5 | oral | | | | 380 mg/kg | | |
| Dimethoxymethane 109-87-5 | aqua (freshwater) | | 14,577 mg/l | | | | |
| Dimethoxymethane 109-87-5 | aqua (marine water) | | 1,4577 mg/l | | | | |
| Dimethoxymethane 109-87-5 | sediment (freshwater) | | | | 13,135 mg/kg | | |
| Dimethoxymethane 109-87-5 | sediment (marine water) | | | | 1,3135 mg/kg | | |
| Dimethoxymethane 109-87-5 | Soil | | | | 4,6538 mg/kg | | |
| Dimethoxymethane 109-87-5 | Sewage treatment plant | | 10000 mg/l | | | | |
| cyclohexane 110-82-7 | aqua (freshwater) | | 0,207 mg/l | | | | |
| cyclohexane 110-82-7 | aqua (marine water) | | 0,207 mg/l | | | | |
| cyclohexane 110-82-7 | aqua (intermittent releases) | | 0,207 mg/l | | | | |
| cyclohexane 110-82-7 | sediment (freshwater) | | | | 16,68 mg/kg | | |
| cyclohexane 110-82-7 | sediment (marine water) | | | | 16,68 mg/kg | | |
| cyclohexane 110-82-7 | Soil | | | | 3,38 mg/kg | | |
| cyclohexane 110-82-7 | sewage treatment plant (STP) | | 3,24 mg/l | | | | |
| cyclohexane 110-82-7 | Air | | | | | | |
| cyclohexane 110-82-7 | Predator | | | | | | no potential for bioaccumulation |
| Propan-2-ol 67-63-0 | aqua (freshwater) | | 140,9 mg/l | | | | |
| Propan-2-ol 67-63-0 | aqua (marine water) | | 140,9 mg/l | | | | |
| Propan-2-ol 67-63-0 | sediment (freshwater) | | | | 552 mg/kg | | |
| Propan-2-ol 67-63-0 | sediment (marine water) | | | | 552 mg/kg | | |
| Propan-2-ol 67-63-0 | Soil | | | | 28 mg/kg | | |
| Propan-2-ol 67-63-0 | aqua (intermittent releases) | | 140,9 mg/l | | | | |
| Propan-2-ol 67-63-0 | sewage treatment plant (STP) | | 2251 mg/l | | | | |

| | | | | | | | |
|------------------------|------|--|--|--|-----------|--|--|
| Propan-2-ol 67-63-0 | oral | | | | 160 mg/kg | | |
|------------------------|------|--|--|--|-----------|--|--|

Derived No-Effect Level (DNEL):

| Name on list | Application Area | Route of Exposure | Health Effect | Exposure Time | Value | Remarks |
|--|--------------------|-------------------|--|---------------|-------------|----------------------------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ----- | Workers | inhalation | Long term exposure - systemic effects | | 2035 mg/m3 | |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ----- | Workers | dermal | Long term exposure - systemic effects | | 773 mg/kg | |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ----- | General population | inhalation | Long term exposure - systemic effects | | 608 mg/m3 | |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ----- | General population | dermal | Long term exposure - systemic effects | | 699 mg/kg | |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ----- | General population | oral | Long term exposure - systemic effects | | 699 mg/kg | |
| Ethanol 64-17-5 | Workers | dermal | Long term exposure - systemic effects | | 343 mg/kg | |
| Ethanol 64-17-5 | Workers | inhalation | Long term exposure - systemic effects | | 950 mg/m3 | |
| Ethanol 64-17-5 | General population | dermal | Long term exposure - systemic effects | | 206 mg/kg | |
| Ethanol 64-17-5 | General population | inhalation | Long term exposure - systemic effects | | 114 mg/m3 | |
| Ethanol 64-17-5 | General population | oral | Long term exposure - systemic effects | | 87 mg/kg | |
| Dimethoxymethane 109-87-5 | Workers | dermal | Long term exposure - systemic effects | | 17,9 mg/kg | |
| Dimethoxymethane 109-87-5 | Workers | inhalation | Long term exposure - systemic effects | | 126,6 mg/m3 | |
| Dimethoxymethane 109-87-5 | General population | oral | Long term exposure - systemic effects | | 18,1 mg/kg | |
| Dimethoxymethane 109-87-5 | General population | inhalation | Long term exposure - systemic effects | | 31,5 mg/m3 | |
| Dimethoxymethane 109-87-5 | General population | dermal | Long term exposure - systemic effects | | 18,1 mg/kg | |
| cyclohexane 110-82-7 | Workers | inhalation | Acute/short term exposure - local effects | | 700 mg/m3 | no potential for bioaccumulation |
| cyclohexane 110-82-7 | Workers | inhalation | Acute/short term exposure - systemic effects | | 700 mg/m3 | no potential for bioaccumulation |
| cyclohexane 110-82-7 | Workers | inhalation | Long term exposure - systemic effects | | 700 mg/m3 | no potential for bioaccumulation |
| cyclohexane 110-82-7 | Workers | inhalation | Long term exposure - local effects | | 700 mg/m3 | no potential for bioaccumulation |
| cyclohexane 110-82-7 | Workers | dermal | Long term exposure - systemic effects | | 2016 mg/kg | no potential for bioaccumulation |
| cyclohexane 110-82-7 | General population | inhalation | Acute/short term exposure - systemic effects | | 412 mg/m3 | no potential for bioaccumulation |
| cyclohexane 110-82-7 | General population | inhalation | Acute/short term exposure - local effects | | 412 mg/m3 | no potential for bioaccumulation |
| cyclohexane 110-82-7 | General population | dermal | Long term exposure - | | 1186 mg/kg | no potential for bioaccumulation |

| | | | | | | |
|-------------------------|--------------------|------------|---------------------------------------|--|------------|----------------------------------|
| | | | systemic effects | | | |
| cyclohexane 110-82-7 | General population | oral | Long term exposure - systemic effects | | 59,4 mg/kg | no potential for bioaccumulation |
| cyclohexane 110-82-7 | General population | inhalation | Long term exposure - systemic effects | | 206 mg/m3 | no potential for bioaccumulation |
| cyclohexane 110-82-7 | General population | inhalation | Long term exposure - local effects | | 206 mg/m3 | no potential for bioaccumulation |
| Propan-2-ol 67-63-0 | Workers | dermal | Long term exposure - systemic effects | | 888 mg/kg | |
| Propan-2-ol 67-63-0 | Workers | inhalation | Long term exposure - systemic effects | | 500 mg/m3 | |
| Propan-2-ol 67-63-0 | General population | dermal | Long term exposure - systemic effects | | 319 mg/kg | |
| Propan-2-ol 67-63-0 | General population | inhalation | Long term exposure - systemic effects | | 89 mg/m3 | |
| Propan-2-ol 67-63-0 | General population | oral | Long term exposure - systemic effects | | 26 mg/kg | |
| n-Hexane 110-54-3 | General population | inhalation | Long term exposure - systemic effects | | 16 mg/m3 | |
| n-Hexane 110-54-3 | Workers | dermal | Long term exposure - systemic effects | | 11 mg/kg | |
| n-Hexane 110-54-3 | General population | dermal | Long term exposure - systemic effects | | 5,3 mg/kg | |
| n-Hexane 110-54-3 | Workers | inhalation | Long term exposure - systemic effects | | 75 mg/m3 | |
| n-Hexane 110-54-3 | General population | oral | Long term exposure - systemic effects | | 4 mg/kg | |

Biological Exposure Indices:

| Ingredient [Regulated substance] | Parameters | Biological specimen | Sampling time | Conc. | Basis of biol. exposure index | Remark | Additional Information |
|--|--|---------------------|--|--------------------|-------------------------------|--------|------------------------|
| Cyclohexane 110-82-7 | 1,2-Cyclohexane diol, with hydrolysis | Creatinine in urine | Sampling time period is for long-term exposures, at the end of the shift after several preceding ones./ Sampling time period is at end of exposure or at end of shift. | 150 mg/g | DE BGW | | |
| n-Hexane 110-54-3 | Hexane-2,5-dione plus 4,5-Dihydroxy-2-hexanone (with hydrolysis) | Urine | Sampling time: End of shift. | 5 mg/l | DE BGW | | |
| Propan-2-ol 67-63-0 Propan-2-ol 67-63-0 [2-PROPANOL] | acetone acetone | Blood Urine | Sampling time: End of shift. Sampling time: End of shift. | 25 mg/l 25 mg/l | DE BGW DE BGW | | |

8.2. Exposure controls:

Engineering controls:
Ensure good ventilation/extraction.

Respiratory protection:

Ensure adequate ventilation.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area

Filter type: A (EN 14387)

Hand protection:

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR; ≥ 0.4 mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR; ≥ 0.4 mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.

Protective eye equipment should conform to EN166.

Skin protection:

Wear suitable protective clothing.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions.

Personal protective equipment should conform to the relevant EN standard.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---|
| Delivery form | aerosol |
| Colour | colourless |
| Odor | hydrocarbons |
| Physical state | aerosol |
| Melting point | Not applicable, Product is a liquid |
| Solidification temperature | -75 °C (-103 °F) |
| Initial boiling point | 78 °C (172.4 °F)None |
| Flammability | Flammable liquid |
| Explosive limits | |
| lower | 0,8 % (V); |
| upper | 12 % (V); |
| Flash point | Upper/lower explosion limit |
| Flash point | -18,00 °C (0.4 °F) |
| Auto-ignition temperature | -9 °C (15.8 °F) |
| Decomposition temperature | 200 °C (392 °F) |
| pH | Not applicable, Substance/mixture is not self-reactive, no organic peroxide and does not decompose under foreseen conditions of use |
| Viscosity (kinematic) | Product is non-soluble (in water)., Not applicable |
| Solubility (qualitative) | |
| (20 °C (68 °F); Solvent: Water) | 0,43 mm ² /s |
| Solubility (qualitative) | Insoluble |
| (Solvent: Acetone) | Miscible |
| Partition coefficient: n-octanol/water | |
| Vapour pressure | Not applicable |
| (20 °C (68 °F)) | Mixture |
| Vapour pressure | 440 hPa |
| | 5500 mbar |

(50 °C (122 °F))

Density

(23 °C (73.4 °F))

Relative vapour density:

Particle characteristics

0,735 - 0,775 g/ml LCT STM 753; Gravity, Density and Shrinkage

Not available.

Not applicable

Product is a liquid

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Aerosols:

Classified as Aerosol category 1 because it contains more than 1 % (by mass) flammable components or has a heat of combustion of at least 20 kJ/g and is not submitted to the flammability classification procedures

SECTION 10: Stability and reactivity

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

Stable under normal conditions of storage and use.

10.5. Incompatible materials

See section reactivity.

SECTION 11: Toxicological information

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

Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Species | Method |
|--|---------------|---------------|---------|---|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ----- | LD50 | > 5.840 mg/kg | rat | not specified |
| Ethanol 64-17-5 | LD50 | 10.470 mg/kg | rat | OECD Guideline 401 (Acute Oral Toxicity) |
| Methylal 109-87-5 | LD50 | 6.423 mg/kg | rat | OECD Guideline 423 (Acute Oral toxicity) |
| cyclohexane 110-82-7 | LD50 | > 5.000 mg/kg | rat | equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) |
| Propan-2-ol 67-63-0 | LD50 | 5.840 mg/kg | rat | equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) |
| n-Hexane 110-54-3 | LD50 | 16.000 mg/kg | rat | OECD Guideline 401 (Acute Oral Toxicity) |

Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Species | Method |
|--|---------------|---------------|---------|---|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ----- | LD50 | > 2.800 mg/kg | rat | not specified |
| Ethanol 64-17-5 | LD50 | > 2.000 mg/kg | rabbit | OECD Guideline 402 (Acute Dermal Toxicity) |
| Methylal 109-87-5 | LD50 | > 5.000 mg/kg | rabbit | OECD Guideline 402 (Acute Dermal Toxicity) |
| cyclohexane 110-82-7 | LD50 | > 2.000 mg/kg | rabbit | equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity) |
| Propan-2-ol 67-63-0 | LD50 | 12.870 mg/kg | rabbit | OECD Guideline 402 (Acute Dermal Toxicity) |
| n-Hexane 110-54-3 | LD50 | > 2.000 mg/kg | rabbit | not specified |

Acute inhalative toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Test atmosphere | Exposure time | Species | Method |
|--|---------------|---------------|-----------------|------------------|---------|---|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ----- | LC50 | > 25,2 mg/l | vapour | 4 h | rat | not specified |
| Ethanol 64-17-5 | LC50 | 124,7 mg/l | vapour | 4 h | rat | OECD Guideline 403 (Acute Inhalation Toxicity) |
| Methylal 109-87-5 | LC50 | 15.000 mg/l | vapour | 4 h | rat | not specified |
| cyclohexane 110-82-7 | LC50 | > 32,880 mg/l | vapour | 4 h | rat | equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity) |
| n-Hexane 110-54-3 | LC50 | > 31,86 mg/l | vapour | 4 h | rat | not specified |

Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Exposure time | Species | Method |
|--|----------------|------------------|---------|---|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ----- | irritating | 4 h | rabbit | equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| Ethanol 64-17-5 | not irritating | | rabbit | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| cyclohexane 110-82-7 | irritating | | rabbit | Weight of evidence |
| Propan-2-ol 67-63-0 | not irritating | 4 h | rabbit | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| n-Hexane 110-54-3 | not irritating | | rabbit | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Exposure time | Species | Method |
|---------------------------------|--|------------------|---------|--|
| Ethanol 64-17-5 | irritating | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| cyclohexane 110-82-7 | slightly irritating | | rabbit | equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| Propan-2-ol 67-63-0 | Category 2A (irritating to eyes) | | rabbit | equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| n-Hexane 110-54-3 | not irritating | | rabbit | not specified |

Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Test type | Species | Method |
|---------------------------------|-----------------|---------------------------------------|------------|---|
| Ethanol 64-17-5 | not sensitising | Guinea pig maximisation test | guinea pig | OECD Guideline 406 (Skin Sensitisation) |
| Ethanol 64-17-5 | not sensitising | Mouse local lymphnode assay (LLNA) | mouse | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) |
| cyclohexane 110-82-7 | not sensitising | Buehler test | guinea pig | equivalent or similar to OECD Guideline 406 (Skin Sensitisation) |
| Propan-2-ol 67-63-0 | not sensitising | Buehler test | guinea pig | OECD Guideline 406 (Skin Sensitisation) |
| n-Hexane 110-54-3 | not sensitising | Mouse local lymphnode assay (LLNA) | mouse | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) |

Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Type of study / Route of administration | Metabolic activation / Exposure time | Species | Method |
|------------------------------|----------|--|--------------------------------------|---------|--|
| Ethanol 64-17-5 | negative | bacterial reverse mutation assay (e.g Ames test) | | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Ethanol 64-17-5 | negative | in vitro mammalian chromosome aberration test | without | | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| Ethanol 64-17-5 | negative | mammalian cell gene mutation assay | with and without | | OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |
| cyclohexane 110-82-7 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| cyclohexane 110-82-7 | negative | mammalian cell gene mutation assay | with and without | | equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |
| Propan-2-ol 67-63-0 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Propan-2-ol 67-63-0 | negative | mammalian cell gene mutation assay | with and without | | equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |
| n-Hexane 110-54-3 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| n-Hexane 110-54-3 | negative | mammalian cell gene mutation assay | with and without | | OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |
| Ethanol 64-17-5 | negative | | | | OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test) |
| cyclohexane 110-82-7 | negative | inhalation: vapour | | rat | equivalent or similar to OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test) |
| Propan-2-ol 67-63-0 | negative | intraperitoneal | | mouse | equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |
| n-Hexane 110-54-3 | negative | inhalation: vapour | | mouse | not specified |
| n-Hexane 110-54-3 | negative | inhalation: vapour | | rat | not specified |

Carcinogenicity

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous components CAS-No. | Result | Route of application | Exposure time / Frequency of treatment | Species | Sex | Method |
|------------------------------|------------------|----------------------|--|---------|-------------|--|
| Ethanol 64-17-5 | not carcinogenic | | | | | Expert judgement |
| Propan-2-ol 67-63-0 | | inhalation: vapour | 104 w 6 h/d, 5 d/w | rat | male/female | OECD Guideline 451 (Carcinogenicity Studies) |
| n-Hexane 110-54-3 | not carcinogenic | inhalation: vapour | 2 y 6 h/d; 5 d/w | mouse | female | OECD Guideline 451 (Carcinogenicity Studies) |

Reproductive toxicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result / Value | Test type | Route of application | Species | Method |
|---------------------------------|--|-----------------------------|----------------------------|---------|--|
| Ethanol 64-17-5 | NOAEL P 13.800 mg/kg | Two generation study | oral: unspecified | mouse | OECD Guideline 416 (Two- Generation Reproduction Toxicity Study) |
| cyclohexane 110-82-7 | NOAEL F1 7000 ppm | two- generation study | inhalation: vapour | rat | equivalent or similar to OECD Guideline 416 (Two- Generation Reproduction Toxicity Study) |
| Propan-2-ol 67-63-0 | NOAEL P 853 mg/kg | One generation study | oral: drinking water | rat | equivalent or similar to OECD Guideline 415 (One- Generation Reproduction Toxicity Study) |
| Propan-2-ol 67-63-0 | NOAEL P 500 mg/kg NOAEL F1 1.000 mg/kg | Two generation study | oral: gavage | rat | equivalent or similar to OECD Guideline 416 (Two- Generation Reproduction Toxicity Study) |
| n-Hexane 110-54-3 | NOAEL P 9000 ppm NOAEL F1 3000 ppm NOAEL F2 3000 ppm | Two generation study | inhalation: vapour | rat | OECD Guideline 416 (Two- Generation Reproduction Toxicity Study) |

STOT-single exposure:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Assessment | Route of exposure | Target Organs | Remarks |
|---|---------------------------------------|----------------------|---------------|---------|
| Hydrocarbons, C6-C7, n- alkanes, isoalkanes, cyclics, <5% n-hexane ----- | Category 3 with narcotic effects. | | | |
| cyclohexane 110-82-7 | Category 3 with narcotic effects. | | | |
| n-Hexane 110-54-3 | May cause drowsiness or dizziness. | | | |

STOT-repeated exposure:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result / Value | Route of application | Exposure time / Frequency of treatment | Species | Method |
|---------------------------------|-----------------|-------------------------|--|---------|---|
| cyclohexane 110-82-7 | | inhalation: vapour | 13-14 w 6 h/d, 5 d/w | mouse | EPA OPPTS 870.3465 (90-Day Inhalation Toxicity) |
| Propan-2-ol 67-63-0 | | inhalation: vapour | 104 w 6 h/d, 5 d/w | rat | OECD Guideline 451 (Carcinogenicity Studies) |
| n-Hexane 110-54-3 | NOAEL 568 mg/kg | oral: gavage | 90 d 5 d/w | rat | not specified |
| n-Hexane 110-54-3 | NOAEL 500 ppm | inhalation: vapour | 90 d 6 h/d; 5 d/w | mouse | OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day) |

Aspiration hazard:

The mixture is classified based on Viscosity data.

| Hazardous substances CAS-No. | Viscosity (kinematic) Value | Temperature | Method | Remarks |
|--|--------------------------------|-------------|---------------------|---------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ----- | 0,61 mm ² /s | 25 °C | not specified | |
| cyclohexane 110-82-7 | 0,41 mm ² /s | 40 °C | not specified | |
| Propan-2-ol 67-63-0 | 1,8 mm ² /s | 40 °C | ASTM Standard D7042 | |
| n-Hexane 110-54-3 | 0,45 mm ² /s | 25 °C | not specified | |

11.2 Information on other hazards

not applicable

SECTION 12: Ecological information**General ecological information:**

Do not empty into drains / surface water / ground water.

12.1. Toxicity**Toxicity (Fish):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|--|------------|-----------------------|---------------|---------------------|---|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ----- | LL50 | 11,4 mg/l | 96 h | Oncorhynchus mykiss | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Ethanol 64-17-5 | LC50 | 14.200 mg/l | 96 h | Pimephales promelas | EPA-660 (Methods for Acute Toxicity Tests with Fish, Macroinvertebrates and Amphibians) |
| Ethanol 64-17-5 | NOEC | 250 mg/l | 120 h | Danio rerio | OECD Guideline 212 (Fish, Short-term Toxicity Test on Embryo and Sac-Fry Stages) |
| Methylal 109-87-5 | LC50 | 6.990 mg/l | 96 h | Pimephales promelas | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| cyclohexane 110-82-7 | LC50 | 4,53 mg/l | 96 h | Pimephales promelas | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Propan-2-ol 67-63-0 | LC50 | > 9.640 - 10.000 mg/l | 96 h | Pimephales promelas | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| n-Hexane 110-54-3 | LC50 | > 1 - 10 mg/l | 96 h | not specified | OECD Guideline 203 (Fish, Acute Toxicity Test) |

Toxicity (aquatic invertebrates):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|--|------------|------------|---------------|--------------------|--|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ----- | EL50 | 3 mg/l | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Ethanol 64-17-5 | EC50 | 5.012 mg/l | 48 h | Ceriodaphnia dubia | other guideline: |
| Methylal 109-87-5 | EC50 | > 500 mg/l | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| cyclohexane 110-82-7 | EC50 | 0,9 mg/l | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| n-Hexane 110-54-3 | EC50 | 2,1 mg/l | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |

Chronic toxicity (aquatic invertebrates):

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|------------------------------|------------|-------|---------------|---------|--------|
|------------------------------|------------|-------|---------------|---------|--------|

| | | | | | |
|--|------|-----------|------|---------------|---|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ----- | NOEC | 0,17 mg/l | 21 d | Daphnia magna | OECD 211 (Daphnia magna, Reproduction Test) |
| Ethanol 64-17-5 | NOEC | 9,6 mg/l | 9 d | Daphnia magna | not specified |
| Propan-2-ol 67-63-0 | NOEC | 30 mg/l | 21 d | Daphnia magna | OECD 211 (Daphnia magna, Reproduction Test) |

Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|--|---------------|-----------------|---------------|---|---|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ----- | EL50 | > 30 - 100 mg/l | 72 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ----- | NOELR | 3 mg/l | 72 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Ethanol 64-17-5 | EC50 | 275 mg/l | 72 h | Chlorella vulgaris | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Ethanol 64-17-5 | EC10 | 11,5 mg/l | 72 h | Chlorella vulgaris | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Methylal 109-87-5 | EC10 | > 500 mg/l | 96 h | Scenedesmus subspicatus (new name: Desmodesmus subspicatus) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| cyclohexane 110-82-7 | EC50 | 9,317 mg/l | 72 h | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| cyclohexane 110-82-7 | NOEC | 0,95 mg/l | 72 h | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Propan-2-ol 67-63-0 | EC50 | > 1.000 mg/l | 96 h | Scenedesmus subspicatus (new name: Desmodesmus subspicatus) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Propan-2-ol 67-63-0 | NOEC | 1.000 mg/l | 96 h | Scenedesmus subspicatus (new name: Desmodesmus subspicatus) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| n-Hexane 110-54-3 | EC50 | > 1 - 10 mg/l | 72 h | not specified | OECD Guideline 201 (Alga, Growth Inhibition Test) |

Toxicity (microorganisms):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|---------------------------------|---------------|---------------|---------------|------------------|--|
| Ethanol 64-17-5 | IC50 | > 1.000 mg/l | 3 h | activated sludge | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| Methylal 109-87-5 | EC10 | 3.000 mg/l | 17 h | | DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-Test) |
| cyclohexane 110-82-7 | IC50 | 29 mg/l | 15 h | other: | not specified |
| Propan-2-ol 67-63-0 | EC50 | > 1.000 mg/l | 3 h | activated sludge | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| n-Hexane 110-54-3 | EC50 | > 1 - 10 mg/l | 3 h | not specified | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |

12.2. Persistence and degradability

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Test type | Degradability | Exposure time | Method |
|--|----------------------------|-----------|---------------|------------------|--|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ----- | readily biodegradable | aerobic | 98 % | 28 d | OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |
| Ethanol 64-17-5 | readily biodegradable | aerobic | 80 - 85 % | 30 d | OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) |
| Methylal 109-87-5 | not readily biodegradable. | aerobic | > 0 - < 60 % | 28 d | OECD 301 A - F |
| cyclohexane 110-82-7 | readily biodegradable | aerobic | 77 % | 28 d | OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |
| Propan-2-ol 67-63-0 | readily biodegradable | aerobic | 70 - 84 % | 30 d | EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test) |
| n-Hexane 110-54-3 | readily biodegradable | aerobic | 81 % | 28 d | OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |

12.3. Bioaccumulative potential

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Bioconcentration factor (BCF) | Exposure time | Temperature | Species | Method |
|---------------------------------|-------------------------------|---------------|-------------|---------------------|---|
| cyclohexane 110-82-7 | 167 | | | Pimephales promelas | QSAR (Quantitative Structure Activity Relationship) |

12.4. Mobility in soil

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | LogPow | Temperature | Method |
|---------------------------------|--------|-------------|--|
| Ethanol 64-17-5 | -0,35 | 24 °C | not specified |
| cyclohexane 110-82-7 | 3,44 | 25 °C | QSAR (Quantitative Structure Activity Relationship) |
| Propan-2-ol 67-63-0 | 0,05 | | OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method) |
| n-Hexane 110-54-3 | 4 | 20 °C | other guideline: |

12.5. Results of PBT and vPvB assessment

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | PBT / vPvB |
|--|---|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane ----- | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Ethanol 64-17-5 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Methylal 109-87-5 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| cyclohexane 110-82-7 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Propan-2-ol 67-63-0 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| n-Hexane 110-54-3 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

12.6. Endocrine disrupting properties

not applicable

12.7. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Do not empty into drains / surface water / ground water.

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

Waste code

14 06 03 Other solvents and solvent mixtures

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

SECTION 14: Transport information**14.1. UN number or ID number**

| | |
|------|------|
| ADR | 1950 |
| RID | 1950 |
| ADN | 1950 |
| IMDG | 1950 |
| IATA | 1950 |

14.2. UN proper shipping name

| | |
|------|--|
| ADR | AEROSOLS |
| RID | AEROSOLS |
| ADN | AEROSOLS |
| IMDG | AEROSOLS (Solvent Naphtha (Petroleum), Light Aromatic) |
| IATA | Aerosols, flammable |

14.3. Transport hazard class(es)

| | |
|------|-----|
| ADR | 2.1 |
| RID | 2.1 |
| ADN | 2.1 |
| IMDG | 2.1 |
| IATA | 2.1 |

14.4. Packing group

| |
|------|
| ADR |
| RID |
| ADN |
| IMDG |
| IATA |

14.5. Environmental hazards

| | |
|------|---------------------------|
| ADR | Environmentally Hazardous |
| RID | Environmentally Hazardous |
| ADN | Environmentally Hazardous |
| IMDG | Marine Pollutant |
| IATA | not applicable |

14.6. Special precautions for user

| | |
|------|-----------------------------------|
| ADR | not applicable Tunnelcode: (D) |
| RID | not applicable |
| ADN | not applicable |
| IMDG | not applicable |
| IATA | not applicable |

14.7. Maritime transport in bulk according to IMO instruments

not applicable

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

| | |
|--|----------------|
| Ozone Depleting Substance (ODS) (Regulation (EC) No 2024/590): | Not applicable |
| Prior Informed Consent (PIC) (Regulation (EU) No 649/2012): | Not applicable |
| Persistent organic pollutants (Regulation (EU) 2019/1021): | Not applicable |

VOC content 94,5 %
(2010/75/EC)

National regulations/information (Germany):

WGK: WGK 2: significantly water endangering (Ordinance on facilities for handling substances that are hazardous to water (AwSV))
Classification according to AwSV, Annex 1 (5.2)

Storage class according to TRGS 510: 2B

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H225 Highly flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361f Suspected of damaging fertility.
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.
H411 Toxic to aquatic life with long lasting effects.

ED: Substance identified as having endocrine disrupting properties
EU OEL: Substance with a Union workplace exposure limit
EU EXPLD 1: Substance listed in Annex I, Reg (EC) No. 2019/1148
EU EXPLD 2: Substance listed in Annex II, Reg (EC) No. 2019/1148
SVHC: Substance of very high concern (REACH Candidate List)
PBT: Substance fulfilling persistent, bioaccumulative and toxic criteria
PBT/vPvB: Substance fulfilling persistent, bioaccumulative and toxic plus very persistent and very bioaccumulative criteria
vPvB: Substance fulfilling very persistent and very bioaccumulative criteria

Further information:

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