Dr. Grogg Chemie AG
Gümligentalstrasse 83
CH-3066 Stettlen-Deisswil

Telefon 031 932 11 66
info@grogg-chemie.ch
www.grogg-chemie.ch

# COVER SHEET FOR THE SAFETY DATA SHEET

---

**Date of creation of the cover page:** 20.11.2026
**Cover page version:** 1.0
**Applies to the safety data sheet in the appendix:** 01.06.2026, Version 1.8
**Number of pages, including the cover page:** 14

---

**Item number:** G290

**Trade name:** Hexane (fraction)

**Supplier:**
Dr. Grogg Chemie AG
Gümligentalstrasse 83
CH-3066 Stettlen-Deisswil
info@grogg-chemie.ch
Tel. +41 31 932 11 66

**Emergency number:**
24-hour emergency number: 145
Help with poisoning. Tox Info Suisse provides free medical advice round the clock in cases of poisoning or suspected poisoning.

Tox Info Suisse
Freiestrasse 16
8032 Zürich
Tel. +41 (0) 44 251 51 51
www.toxinfo.ch

* 

## SECTION 1: Identification of the product and of the company

· **1.1 Product identity**

· **Trade name: Hexane (fraction)**

· **Article number:** 272
· **EC number:**
925-292-5
· **Index number:**
649-328-00-1

· **REACH Registration number** 01-2119474209-33
· **1.2 Relevant uses of the product and uses advised against**
· **Product category** PC9a Coatings and paints, thinners, paint removers
· **Application of the product** Organic solvent
· **Uses advised against**
-Any use with aerosol generation or vapour escape that exceeds the MAK values in Chapter 8.

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Thommen-Furler AG
Industriestrasse 10
CH-3295 Rüti bei Büren (BE)
Tel. +41 32 352 08 00
sdb@thommen-furler.ch

· **Information department:** Product Management department
· **1.4 Emergency telephone number:**
Toxicological information Swiss center (available 24h/7d): emergency call 145
or +41 (0) 44 251 51 51

* 

## SECTION 2: Hazard(s) identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**


GHS02 flame

| | | |
|---|---|---|
| Flam. Liq. 2 | H225 | Highly flammable liquid and vapour. |


GHS08 health hazard

| | | |
|---|---|---|
| Repr. 2 | H361 | Suspected of damaging fertility or the unborn child. |
| STOT SE 1 | H370 | Causes damage to organs. |
| Asp. Tox. 1 | H304 | May be fatal if swallowed and enters airways. |


GHS09 environment

| | | |
|---|---|---|
| Aquatic Chronic 2 | H411 | Toxic to aquatic life with long lasting effects. |


GHS07

(Contd. on page 2)

(Contd. of page 1)

| | | |
|---|---|---|
| Acute Tox. 4 | H302 | Harmful if swallowed. |
| Skin Irrit. 2 | H315 | Causes skin irritation. |
| STOT SE 3 | H335-H336 | May cause respiratory irritation. May cause drowsiness or dizziness. |

· ***Additional information:***
Specific target organ toxicity after repeated exposure (nervous system) REACh SVHC (Article 57(f) - human health)

· ***2.2 Label elements***
· ***Labelling according to Regulation (EC) No 1272/2008***
The substance is classified and labeled according to the CLP regulation.
· ***Hazard pictograms***



GHS02 GHS07 GHS08 GHS09

· ***Signal word*** Danger
· ***Hazard statements***

| | |
|---|---|
| H225 | Highly flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H370 | Causes damage to organs. |
| H335-H336 | May cause respiratory irritation. May cause drowsiness or dizziness. |
| H304 | May be fatal if swallowed and enters airways. |
| H411 | Toxic to aquatic life with long lasting effects. |

· ***Precautionary statements***

| | |
|---|---|
| P201 | Obtain special instructions before use. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical/ventilating/lighting/equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray. |
| P264 | Wash thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P310 | If swallowed: Immediately call a poison center/doctor. |
| P303+P361+P353 | If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P331 | Do NOT induce vomiting. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

· ***Additional information:***
EUH066 Repeated exposure may cause skin dryness or cracking.
· ***Information pertaining to particular dangers for man and environment:***
Contains n-hexane CAS 110-54-3, Substance of Very High Concern (SVHC) with date 04 February 2026, Decision D(2025)7771-DC.
Specific target organ toxicity after repeated exposure (nervous system)

(Contd. on page 3)

(Contd. of page 2)

(Article 57(f) - human health)
· ***2.3 Other hazards***
· ***Results of PBT and vPvB assessment***
· ***PBT:*** Not applicable
· ***vPvB:*** Not applicable

* 
## SECTION 3: Composition/information on ingredients

· ***3.1 Chemical characterization: Substances***
· ***CAS No. Description***
Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich
· ***Identification number(s)***
· ***EC number:*** 925-292-5
· ***Index number:*** 649-328-00-1

| · ***SVHC*** |
|---|
| Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich |

* 
## SECTION 4: First-aid measures

· ***4.1 Description of first aid measures***
· ***General information:***
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
· ***After inhalation:*** In case of unconsciousness place patient stably in side position for transportation.
· ***After skin contact:*** Immediately wash with water and soap and rinse thoroughly.
· ***After eye contact:***
Rinse opened eye for several minutes under running water. Then consult a doctor.
· ***After swallowing:***
Do not induce vomiting; immediately call for medical help.
Immediately call a doctor.
· ***4.2 Most important symptoms and effects, both acute and delayed***
· ***Danger*** Danger of pulmonary edema.
· ***4.3 Indication of any immediate medical attention and special treatment needed***
No further relevant information available.

* 
## SECTION 5: Fire-fighting measures

· ***5.1 Extinguishing media***
· ***Suitable extinguishing agents:*** CO2, sand, extinguishing powder. Do not use water.
· ***For safety reasons unsuitable extinguishing agents:*** Water
· ***5.2 Special hazards arising from the substance or mixture***
In case of fire, the following can be released:
Nitrogen oxides (NOx)
Carbon monoxide (CO)
Smoke
The product is flammable. Cool endangered containers with water spray.
Carbon dioxide (CO2)
Flammable. Hazardous decomposition products: Section 10.
In case of inadequate ventilation and/or during use, formation of explosive/highly flammable vapour/air mixtures possible.
Solvent vapours are heavier than air and spread over the ground.The presence of flammable substances or mixtures is to be expected in areas that are not covered byventilation, e.g.

(Contd. on page 4)

(Contd. of page 3)

unventilated low-lying areas such as pits, ducts, cellars and shafts.shafts.

· ***5.3 Advice for firefighters***
In case of large fire and large quantities: Clear the surrounding area.
Due to the risk of explosion, fight the fire
from a distance.
Fight the fire from the maximum distance.
Wear self-contained breathing apparatus (SCBA).
Keep unprotected persons away. Do not inhale smoke, combustion gases an vapours.
For fighting fire, self contained breathing apparatus and full protective clothing must be worn.
Cool endangered containers from a safe distance with a water spray.
Do not allow extinguishing water enter sewers, surface or ground water or the soil.
Wear suitable protective clothing and keep a safe distance in order to prevent skin contact.

· ***Protective equipment:***
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
Choose fire protection clothing that complies with the relevant standards (e.g. in Europe: EN 469).
Cool surrounding containers with water spray. If possible, remove containers from the danger zone.
Information about the explosion properties of the mixtures of ethanol vapours with air:
Refer to sections 9.1 and 9.2.
In the event of an accident involving large quantities: Full chemical protection suit!

* 
## SECTION 6: Accidental release measures

· ***6.1 Personal precautions, protective equipment and emergency procedures***
Wear protective equipment. Keep unprotected persons away.

· ***For non-emergency personnel***
Bring people to safety.
Remove unprotected persons against the wind and take them to safety outside the cordon area (at least 100 metres). Observe wind conditions with regard to the cordon radius.
In the event of a spill or accidental release, notify the appropriate authorities in accordance with all applicable regulations. Evacuate area and do not approach spilled product. Cover sewerage system. Secure or remove all sources of ignition.
If large quantities are released into bodies of water or the surrounding area, warn drinking water users.

· ***For emergency responders***
For leaks etc. with spray mist formation: Chemical protection suit
Respiratory protective equipment must be worn when exposed to vapours, dusts, aerosols and gases.
Do not take any measures that put employees at risk!
Use personal protective equipment.

· ***6.2 Environmental precautions:***
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

· ***6.3 Methods and material for containment and cleaning up:***
Absorb the liquid with an inert binder.
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents

· ***6.4 Reference to other sections***
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

(Contd. on page 5)

(Contd. of page 4)
See Section 13 for disposal information.

* 
## SECTION 7: Handling and storage

· ***7.1 Precautions for safe handling***
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
· ***Information about protection against explosions and fires:***
Do not spray on a naked flame or any incandescent material.
Use explosion-proof apparatus / fittings and spark-proof tools.
Danger of explosion if fluid enters the sewage system
Flammable gas-air mixtures may be formed in empty receptacles.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

· ***7.2 Conditions for safe storage, including any incompatibilities***
· ***Storage:***
· ***Requirements to be met by storerooms and receptacles:***
Jointless, smooth floor and walls.
Do not allow to enter drains (danger of explosion).
Depending on the storage quantities, retention basins with neutralisation systems may be mandatory.
Store in a cool location.
· ***Information about storage in one common storage facility:***
No special restrictions, however, observe the storage restrictions!
Do not store together with textiles.
Store food and food additives separately from chemicals.
Storage class of VCI (Germany): 3A (Flammable liquids)
Keep away from food, beverages and animal feed.
Do not store together with oxidizing, acidic or other materials not being compatible with substances of storage class 3A
· ***Further information about storage conditions:***
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
· ***Storage class:*** 3
· ***7.3 Specific end use(s)*** No further relevant information available.

* 
## SECTION 8: Exposure controls/personal protection

· ***8.1 Control parameters***
· ***Components with limit values that require monitoring at the workplace:***
Mineral oils (highly refined, pure) 5mg/m3 (e)
n-Hexane (SVHC) MAK SUVA per 10.02.2026 50 ppm 180 mg/m3
Biological parameter: 2,5-hexanedione plus 4,5-dihydroxy-2-hexanone

Heptane all isomers 400 ppm, 1600 mg/m3
Pentane (all isomers) 600 ppm 1800 mg/m3

Attention: different alkanes can have a cumulative toxic effect, but the limit values have been evaluated for individual components!
· ***Additional information:*** The lists that were valid during the creation were used as basis.

(Contd. on page 6)

(Contd. of page 5)

· ***8.2 Exposure controls***
· ***Appropriate engineering controls*** No further data; see section 7.
· ***Personal protective equipment:***
· ***General protective and hygienic measures:***
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.
· ***Breathing equipment:***
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
· ***Protection of hands:***


Protective gloves

· ***Material of gloves***
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
· ***Penetration time of glove material***
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· ***Eye protection:***


Tightly sealed goggles

· ***Body protection:*** Protective work clothing
· ***Risk management measures***
An emergency shower must be available at the workplace.
An eye shower must be available at the workplace.
There is a considerable risk of explosion if water enters the sewerage system.
Sewage syphons must be regularly filled with water in dry weather, especially in the area of emergency overpressure valves of the systems; this may also affect syphons on the roof. If this is suspected:
Strictly NO SMOKING!

Find out in advance about the underground drainage pipes and make the information available to the relevant fire brigades, among others.
Not only manhole covers can cause serious injuries as a result of an explosion of gases in the sewerage system, but also the entire sewerage pipe can burst and tear open the floor! Structural measures such as retention basins, permanent gas monitoring in the sewerage system and pressure relief valves, feeding water spray into the sewerage system, etc. may also need to be provided in advance. Draw up a plan of the areas that need to be cordoned off and a list of which
-The control centres for trams, railways, road traffic, bus companies and people etc. must be informed immediately. Practise the scenario regularly.
EKAS Directive Flammable liquids
Storage and handling
Observe no. 1825
SUVA guidelines:

Explosion protection
Principles, minimum regulations, zones

(Contd. on page 7)

(Contd. of page 6)

must be observed!
Avoid any exposure to women at the beginning of pregnancy.
Fire detectors and automatic sprinkler systems/extinguishing systems can help minimise damage in the event of a fire.
The Hazardous Incident Ordinance, water protection and fire protection regulations etc. must be observed!
All appropriate measures must be taken to prevent leakage into the environment and, in the event of an accident, to prevent it from spreading. Appropriate risk minimisation measures should be in place.
Storage tanks must be equipped with pressure relief devices / bursting devices in the event of fire.

* 
## SECTION 9: Physical and chemical properties

| | |
|---|---|
| · **9.1 Information on basic physical and chemical properties** | |
| · **General Information** | |
| · **Physical state** | Liquid |
| · **Color:** | Colorless |
| · **Odor:** | Mild |
| · **Odor threshold:** | Not determined |
| · **Melting point/Melting range:** | -95 °C |
| · **Boiling point/Boiling range:** | 55-85 °C |
| · **Flammability:** | Highly flammable. |
| · **Explosion limits:** | |
| · **Lower:** | 1.1 Vol % |
| · **Upper:** | 7.4 Vol % |
| · **Flash point:** | -27 °C |
| · **Auto igniting:** | 375 °C |
| · **Decomposition temperature:** | Not determined |
| · **pH-value:** | Not determined |
| · **Viscosity:** | |
| · **Kinematic at 20 °C:** | 0.45 mm²/s |
| · **Dynamic:** | Not determined |
| · **Solubility in / Miscibility with** | |
| · **Water at 20 °C:** | 0.0095 g/l |
| · **Partition coefficient (n-octanol/water):** | Not determined |
| · **Vapor pressure at 20 °C:** | 190 hPa |
| · **Vapor pressure at 50 °C:** | 585 hPa |
| · **Density and/or relative density** | |
| · **Density at 20 °C:** | 0.675 g/cm³ |
| Not determined | |
| · **Relative density** | Not determined |
| · **Vapor density** | Not determined |

| | |
|---|---|
| · **9.2 Other information** | |
| · **Appearance:** | |
| · **Form:** | Fluid |
| · **Important information on protection of health and environment, and on safety.** | |
| · **Ignition temperature:** | Not determined |
| · **Danger of explosion:** | Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |

(Contd. on page 8)

(Contd. of page 7)

| | |
|---|---|
| · **Change in condition** | |
| · **Evaporation rate** | Not determined |
| · **Information with regard to physical hazard classes** | |
| · **Explosives** | Void |
| · **Flammable gases** | Void |
| · **Aerosols** | Void |
| · **Oxidising gases** | Void |
| · **Gases under pressure** | Void |
| · **Flammable liquids** | Highly flammable liquid and vapour. |
| · **Flammable solids** | Void |
| · **Self-reactive substances and mixtures** | Void |
| · **Pyrophoric liquids** | Void |
| · **Pyrophoric solids** | Void |
| · **Self-heating substances and mixtures** | Void |
| · **Substances and mixtures, which emit flammable gases in contact with water** | Void |
| · **Oxidising liquids** | Void |
| · **Oxidising solids** | Void |
| · **Organic peroxides** | Void |
| · **Corrosive to metals** | Void |
| · **Desensitised explosives** | Void |

* 
## SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **10.2 Chemical stability**
· **Information on the shelf life**
Under normal conditions (ambient temperature) ethanol is chemically stable.
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions**
Forms explosive gas mixture with air.
Can react violently with oxygen rich (oxidizing) material. Danger of Explosion.
Explosive reaction with oxidizing agents such as calcium chlorate and or peroxides.
· **10.4 Conditions to avoid** No further relevant information available.
· **10.5 Incompatible materials:**
Plastic containers can dissolve on contact with hexane. Only use authorised containers.
· **10.6 Hazardous decomposition products:** Hydrocarbons

* 
## SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity:** Harmful if swallowed.

| · **LD/LC50 values that are relevant for classification:** | | |
|---|---|---|
| Oral | LD50 | >500 mg/kg (rat) |
| Dermal | LD50 | >3,160 mg/kg (rabbit) |

· **Primary irritant effect:**
· **on the skin:** Causes skin irritation.
· **Reproductive toxicity** Suspected of damaging fertility or the unborn child.

(Contd. on page 9)

(Contd. of page 8)

· ***Specific target organ toxicity - single exposure***
Causes damage to organs.
May cause respiratory irritation. May cause drowsiness or dizziness.
· ***Aspiration hazard*** May be fatal if swallowed and enters airways.
· ***Additional toxicological information:***
· ***OSHA-Ca (Occupational Safety & Health Administration)*** Substance is not listed.
· ***Delayed and immediate effects as well as chronic effects from short and long-term exposure***
Repeated skin contact may cause cracked skin etc. Avoid skin contact with protective clothing and gloves!
Can lead to severe nerve damage!
· ***11.2 Information on other hazards***
· ***Endocrine disrupting properties*** Substance is not listed.

* 
## SECTION 12: Ecological information

· ***12.1 Toxicity***

| · ***Aquatic toxicity:*** | |
|---|---|
| LC50/96 h | 4.3 mg/l (crab) |

· ***12.2 Persistence and degradability*** Not biodegradable
· ***12.3 Bioaccumulative potential*** No further relevant information available.
· ***12.4 Mobility in soil*** No further relevant information available.
· ***12.5 Results of PBT and vPvB assessment***
· ***PBT:*** Not applicable
· ***vPvB:*** Not applicable
· ***12.6 Endocrine disrupting properties***
The product does not contain substances with endocrine disrupting properties.
· ***12.7 Other adverse effects***
· ***Remark:*** Toxic for fish
· ***Additional ecological information:***
· ***General notes:***
Water hazard class 3 (Assessment by list): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

## SECTION 13: Disposal considerations

· ***13.1 Waste treatment methods***
· ***Recommendation:***
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
· ***Waste disposal key:*** 07 01 04

· ***Uncleaned packagings:***
· ***Recommendation:*** Disposal must be made according to official regulations.



(Contd. on page 10)

(Contd. of page 9)

## SECTION 14: Transport information

| | |
|---|---|
| · **14.1 UN-Number** | |
| · **ADR, IMDG, IATA** | UN1208 |
| · **14.2 UN proper shipping name** | |
| · **DOT** | Hexanes |
| · **ADR** | 1208 HEXANES, ENVIRONMENTALLY HAZARDOUS |
| · **IMDG** | HEXANES, MARINE POLLUTANT |
| · **IATA** | HEXANES |
| · **14.3 Transport hazard class(es)** | |
| · **ADR, IMDG** |  |
| · **Class** | 3 Flammable liquids |
| · **Label** | 3 |
| · **IATA** |  |
| · **Class** | 3 Flammable liquids |
| · **Label** | 3 |
| · **14.4 Packing group** | |
| · **ADR, IMDG, IATA** | II |
| · **14.5 Environmental hazards:** | Environmentally hazardous substance, liquid; Marine Pollutant |
| · **Marine pollutant:** | No<br>Symbol (fish and tree) |
| · **Special marking (ADR):** | Symbol (fish and tree) |
| · **14.6 Special precautions for user** | Warning: Flammable liquids |
| · **Hazard identification number (Kemler code):** | 33 |
| · **EMS Number:** | F-E,S-D |
| · **Stowage Category** | E |
| · **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** | |
| · **Transport/Additional information:** | |
| · **ADR** | |
| · **Limited quantities (LQ)** | 1L |
| · **Excepted quantities (EQ)** | Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · **Transport category** | 2 |
| · **Tunnel restriction code** | D/E |

(Contd. on page 11)

(Contd. of page 10)

| | |
|---|---|
| · ***IMDG*** | |
| · ***Limited quantities (LQ)*** | 1L |
| · ***Excepted quantities (EQ)*** | Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · ***UN "Model Regulation":*** | UN 1208 HEXANES, 3, II, ENVIRONMENTALLY HAZARDOUS |

* 
## SECTION 15: Regulatory information

· ***15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture***
822.115, Ordonnance sur la protection des jeunes travailleurs - OLT 5 and 822.115.2, DEFR Ordinance on dangerous work for young people are applicable.
Swiss ArGV 1 and 822.111.52, Ordinance of the EAER on hazardous and arduous work during pregnancy and maternity must be observed.
· ***Sara***
· ***Section 355 (extremely hazardous substances):*** Substance is not listed.
· ***Section 313 (Specific toxic chemical listings):*** Substance is not listed.
· ***Proposition 65***
· ***Chemicals known to cause cancer:*** Substance is not listed.
· ***Chemicals known to cause reproductive toxicity for females:*** Substance is not listed.
· ***Chemicals known to cause reproductive toxicity for males:*** Substance is not listed.
· ***Chemicals known to cause developmental toxicity:*** Substance is not listed.

· ***Carcinogenic categories***
· ***EPA (Environmental Protection Agency)*** Substance is not listed.
· ***TLV (Threshold Limit Value)*** Substance is not listed.
· ***NIOSH-Ca (National Institute for Occupational Safety and Health)*** Substance is not listed.
· ***Labelling according to Regulation (EC) No 1272/2008***
The substance is classified and labeled according to the CLP regulation.
· ***Hazard pictograms***



GHS02 GHS07 GHS08 GHS09

· ***Signal word*** Danger
· ***Hazard statements***
H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H361 Suspected of damaging fertility or the unborn child.
H370 Causes damage to organs.
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.
· ***Precautionary statements***
P201 Obtain special instructions before use.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P240 Ground/bond container and receiving equipment.

(Contd. on page 12)

(Contd. of page 11)

| | |
|---|---|
| P241 | Use explosion-proof electrical/ventilating/lighting/equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray. |
| P264 | Wash thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P310 | If swallowed: Immediately call a poison center/doctor. |
| P303+P361+P353 | If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P331 | Do NOT induce vomiting. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with local/regional/national/ international regulations. |

· ***Directive 2012/18/EU***
· ***Named dangerous substances - ANNEX I***
Not subject to Directive 2012/18/EU (Seveso III)
Substance is not listed.
· ***Seveso category***
E2 Hazardous to the Aquatic Environment
P5c FLAMMABLE LIQUIDS
· ***Qualifying quantity (tonnes) for the application of lower-tier requirements*** 50 t
· ***Qualifying quantity (tonnes) for the application of upper-tier requirements*** 200 t

· ***National regulations:***

· ***Information about limitation of use:***
Employment restrictions concerning young persons must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.

· ***Water hazard class:***
Switzerland. Water hazard class A: Liquids that can contaminate water in small quantities
Water hazard class 3 (Assessment by list): extremely hazardous for water.

· ***Other regulations, limitations and prohibitive regulations***
· ***Additionnal informations according ChemRRV***
Enthält: Substance of Very High Concern (SVHC)

| · ***Substances of very high concern (SVHC) according to REACH, Article 57*** |
|---|
| Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich |

## *SECTION 16: Other information*

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· ***Department issuing SDS:*** Product Management department
· ***Contact:*** Product Management
· ***Abbreviations and acronyms:***
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation

(Contd. on page 13)

(Contd. of page 12)

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
Flam. Liq. 2: Flammable liquids – Category 2
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Repr. 2: Reproductive toxicity – Category 2
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· **** Data compared to the previous version altered.***