

## SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

**ETHOXY PROPANOL**

Version 10.0

Print Date 2022/07/14

Revision date / valid from 2022/07/14

MSDS code: METP001

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name : ETHOXY PROPANOL  
Substance name : 1-ethoxypropan-2-ol  
CAS-No. : 1569-02-4  
EC-No. : 216-374-5  
EU REACH-Reg. No. : 01-2119462792-32-xxxx

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

Use of the Substance/Mixture : Manufacture of substances, Solvent, Formulation & (re) packaging of substances and mixtures, Coatings, Intermediate  
Uses advised against : At this moment we have not identified any uses advised against

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

Company : Brenntag UK Limited  
Alpha House, Lawnswood Business Park  
GB LS16 6QY Leeds  
Telephone : +44 (0) 113 3879 200  
Telefax : +44 (0) 113 3879 280  
E-mail address : msds@brenntag.co.uk

**1.4. Emergency telephone number**

Emergency telephone number : Emergency only telephone number (open 24 hours):  
+44 (0) 1865 407333 (N.C.E.C. Culham)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation S.I. 2019/720 (GB CLP)****Regulation S.I. 2019/720 (GB CLP)**

Hazard class	Hazard category	Target Organs	Hazard statements
Flammable liquids	Category 3	---	H226
Eye irritation	Category 2	---	H319

**ETHOXY PROPANOL**Specific target organ toxicity  
- single exposure

Category 3

Central nervous  
system

H336

For the full text of the H-Statements mentioned in this Section, see Section 16.

**Most important adverse effects**

Human Health : See section 11 for toxicological information.

Physical and chemical hazards : See section 9/10 for physicochemical information.

Potential environmental effects : See section 12 for environmental information.

**2.2. Label elements****Labelling according to Regulation S.I. 2019/720 (GB CLP)**

Hazard symbols :



Signal word : Warning

Hazard statements : H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

Precautionary  
statements

Prevention : P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing mist or vapours.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P243 Take action to prevent static discharges.

Response : P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

**ETHOXY PROPANOL**

Storage : P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

**Hazardous components which must be listed on the label:**

II • 1-ethoxypropan-2-ol

**2.3. Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SECTION 3: Composition/information on ingredients****3.1. Substances**

		Classification (Regulation S.I. 2019/720 (GB CLP))	
Hazardous components	Amount [%]	Hazard class / Hazard category	Hazard statements
1-ethoxypropan-2-ol			
Index-No. : 603-177-00-8	<= 100	Flam. Liq.3	H226
CAS-No. : 1569-02-4		STOT SE3	H336
EC-No. : 216-374-5		Eye Irrit.2	H319
EU REACH-Reg. No. : 01-2119462792-32-xxxx			
2-Ethoxypropanol			
CAS-No. : 19089-47-5	< 3	Flam. Liq.3	H226
EC-No. : 242-806-7			

For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: First aid measures**

**ETHOXY PROPANOL****4.1. Description of first aid measures**

General advice	: Take off all contaminated clothing immediately.
If inhaled	: Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position. If symptoms persist, call a physician.
In case of skin contact	: Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist immediately.
If swallowed	: Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If symptoms persist, call a physician.

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

Symptoms	: See Section 11 for more detailed information on health effects and symptoms.
Effects	: Health injuries are not known or expected under normal use. See Section 11 for more detailed information on health effects and symptoms.

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

Treatment	: Treat symptomatically. For specialist advice physicians should contact the Poisons Information Service.
-----------	---

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	: High volume water jet

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

Specific hazards during firefighting	: The vapour may be invisible, heavier than air and spread along ground. Vapours may form explosive mixtures with air. Flash back possible over considerable distance.
Hazardous combustion products	: Carbon monoxide, Carbon dioxide (CO <sub>2</sub> )

**5.3. Advice for firefighters**

**ETHOXY PROPANOL**

- |   |   |   |
|---|---|---|
| Special protective equipment for firefighters | : | In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.  |
| Further advice                                | : | Cool closed containers exposed to fire with water spray. Heating will cause a pressure rise - with risk of bursting. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. |

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

- |                      |   |   |
|----------------------|---|---|
| Personal precautions | : | Keep away from heat and sources of ignition. Use personal protective equipment. Provide adequate ventilation. Avoid contact with skin and eyes. |
|----------------------|---|---|

**6.2. Environmental precautions**

- |                           |   |  |
|---------------------------|---|--|
| Environmental precautions | : | Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. |
|---------------------------|---|--|

**6.3. Methods and materials for containment and cleaning up**

- |   |   |   |
|---|---|---|
| Methods and materials for containment and cleaning up | : | Collect as much of the spill as possible with a suitable absorbent material. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. |
| Further information                                   | : | Treat recovered material as described in the section "Disposal considerations".   |

**6.4. Reference to other sections**

See Section 1 for emergency contact information.  
 See Section 8 for information on personal protective equipment.  
 See Section 13 for waste treatment information.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

- |                         |   |   |
|-------------------------|---|---|
| Advice on safe handling | : | Keep container tightly closed. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure all equipment is electrically grounded before beginning transfer operations. Do not breathe vapours or spray mist. Ensure that eyewash stations and safety showers are close to the workstation location. |
| Hygiene measures        | : | Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately.   |

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

**ETHOXY PROPANOL**

Requirements for storage areas and containers	: Store in original container. Keep in an area equipped with solvent resistant flooring.
Advice on protection against fire and explosion	: Keep away from sources of ignition - No smoking. The vapour may be invisible, heavier than air and spread along ground. Vapours may form explosive mixtures with air. Take measures to prevent the build up of electrostatic charge. Use only in an area containing explosion proof equipment.
Further information on storage conditions	: Keep tightly closed in a dry and cool place. Keep away from direct sunlight. Keep in a well-ventilated place.
Advice on common storage	: Incompatible with oxidizing agents. Do not store together with oxidizing and self-igniting products. Keep away from food, drink and animal feedingstuffs.

**7.3. Specific end use(s)**

Specific use(s) : No information available.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Other Occupational Exposure Limit Values**

(Additional) Information :  
Contains no substances with occupational exposure limit values.

<b>Component:</b>	<b>1-ethoxypropan-2-ol</b>	<b>CAS-No. 1569-02-4</b>
-------------------	----------------------------	--------------------------

**Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)**

DNEL		
Workers, Acute - systemic effects, Inhalation	:	317 mg/m3
DNEL		
Workers, Long-term - systemic effects, Inhalation	:	211 mg/m3
DNEL		
Workers, Long-term - systemic effects, Skin contact	:	74 mg/kg bw/day
DNEL		
Consumers, Acute - systemic effects, Inhalation	:	190 mg/m3
DNEL		
Consumers, Long-term - systemic effects, Inhalation	:	127 mg/m3

**ETHOXY PROPANOL****DNEL**

Consumers, Long-term - systemic effects, Skin contact	:	44.3 mg/kg bw/day
---	---	-------------------

**DNEL**

Consumers, Long-term - systemic effects, Ingestion	:	14 mg/kg bw/day
--	---	-----------------

**Predicted No Effect Concentration (PNEC)**

Water	:	10 mg/l
Marine water	:	1 mg/l
Sewage treatment plant (STP)	:	1250 mg/l
Fresh water sediment	:	37.6 mg/kg
Marine sediment	:	3.76 mg/l
Soil	:	2.4 mg/kg
Secondary poisoning	:	142 mg/kg food

**8.2. Exposure controls****Appropriate engineering controls**

Refer to protective measures listed in sections 7 and 8.

**Personal protective equipment***Respiratory protection*

Advice	:	In case of insufficient ventilation, wear suitable respiratory equipment. Filter type EN 14387 Type A
--------	---	--

*Hand protection*

Advice	:	Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Protective gloves should be replaced at first signs of wear.
--------	---	---

Material	:	Neoprene
----------	---	----------

Material	:	butyl-rubber
Break through time	:	> 240 min
Glove thickness	:	> 35 mm

**ETHOXY PROPANOL**

Material : Nitrile rubber  
Break through time : > 240 min  
Glove thickness : > 35 mm

*Eye protection*

Advice : Safety goggles  
Equipment should conform to EN 166

*Skin and body protection*

Advice : Wear personal protective equipment.  
Flame retardant antistatic protective clothing.

**Environmental exposure controls**

General advice : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

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

Form : liquid  
Physical state : liquid  
Colour : colourless  
Odour : Mild  
Odour Threshold : No data available  
Melting point/range : ca. -90 °C  
Boiling point/boiling range : ca. 132 °C (1013 hPa)  
Flammability : No data available  
Upper explosion limit / Upper flammability limit : ca. 12 %(V)  
Lower explosion limit / Lower flammability limit : ca. 1.3 %(V)  
Flash point : ca. 35 °C  
Auto-ignition temperature : ca. 255 °C  
Decomposition temperature : No data available  
Self-Accelerating : No data available



**ETHOXY PROPANOL**

decomposition temperature  
(SADT)

pH : No data available

Viscosity

Viscosity, dynamic : 2.21 mPa.s

Viscosity, kinematic : No data available

Flow time : No data available

Solubility(ies)

Water solubility : soluble

Solubility in other solvents : No data available

Dissolution Rate : No data available

Partition coefficient: n-  
octanol/water : log Pow: < 1

Dispersion Stability : No data available

Vapour pressure : No data available

Relative density : No data available

Density : 0.890 - 0.907 g/cm<sup>3</sup> (20 °C)

Bulk density : No data available

Relative vapour density : No data available

Particle characteristics  
No data available

**9.2 Other information**

Explosives : Product is not explosive.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Advice : May react with oxygen to form peroxides.

**10.2. Chemical stability**

Advice : Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

Hazardous reactions : Reacts with air to form peroxides.

**ETHOXY PROPANOL****10.4. Conditions to avoid**

Conditions to avoid : Heat, flames and sparks.Exposure to air.

**10.5. Incompatible materials**

Materials to avoid : Strong oxidizing agents, Oxygen, Air, Phosphorus

**10.6. Hazardous decomposition products**

Hazardous decomposition : Under fire conditions: Carbon oxides products

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Data for the product****Further information**

Other relevant toxicity : Handle in accordance with good industrial hygiene and safety information practice.

Experience with : Health injuries are not known or expected under normal use., human exposure

<b>Component:</b>	<b>1-ethoxypropan-2-ol</b>	<b>CAS-No. 1569-02-4</b>
-------------------	----------------------------	--------------------------

**Acute toxicity****Oral**

LD50 : > 5000 mg/kg (Rat)

**Inhalation**

LC50 : > 10000 mg/l (Rat; 4 h)

**Dermal**

LD50 : > 5000 mg/kg (Rabbit)

**Irritation****Skin**

Result : No skin irritation (Rabbit; 4 h) (OECD Test Guideline 404)

**Eyes**

Result : Causes serious eye irritation.

**ETHOXY PROPANOL****Sensitisation**

Result : not sensitizing (Maximisation Test; Dermal; Guinea pig) (Directive 67/548/EEC, Annex V, B.6.)

**CMR effects****CMR Properties**

Carcinogenicity : Not expected to be carcinogenic.  
 Mutagenicity : In vitro tests did not show mutagenic effects  
 Teratogenicity : Animal testing did not show any effects on foetal development.  
 Reproductive toxicity : Animal testing did not show any effects on fertility.

**Genotoxicity in vitro**

Result : negative (In vitro gene mutation study in mammalian cells; Chinese hamster lung cells; no) (OECD Test Guideline 476)  
 negative (Chromosome aberration test in vitro; Human lymphocytes; with and without metabolic activation) (OECD Test Guideline 473)  
 negative (Bacterial Reverse Mutation Test; Salmonella typhimurium; with and without metabolic activation) (OECD Test Guideline 471)

**Teratogenicity**

NOAEC : 100 ppm  
 Maternal NOAEC : > 2,000 ppm  
 Develop. (Prenatal Developmental Toxicity Study; Rat)(inhalation (vapour))(OECD Test Guideline 414)Did not show teratogenic effects in animal experiments.

**Reproductive toxicity**

NOEC Parent : 300 ppm  
 (Two-generation reproductive toxicity; Rat, Sprague-Dawley, female)(inhalation (vapour); 0, 300, 1000, 3000 ppm)(OECD Test Guideline 416)Animal testing did not show any effects on fertility.  
 NOEC F1 : 1,000 ppm  
 (Two-generation reproductive toxicity; Rat, Sprague-Dawley, male and female)(inhalation (vapour); 0, 300, 1000, 3000 ppm)(OECD Test Guideline 416)

**Specific Target Organ Toxicity**

**ETHOXY PROPANOL****Single exposure**

|| Inhalation : Target Organs: Central nervous system May cause drowsiness or dizziness.

**Repeated exposure**

|| Remarks : Not Rated

**Other toxic properties****Aspiration hazard**

|| No data available,

**Further information**

|| Other relevant toxicity information : Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.  
Prolonged skin contact may defat the skin and produce dermatitis.

**11.2. Information on other hazards****Data for the product****Endocrine disrupting properties**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

|| Component: 1-ethoxypropan-2-ol CAS-No. 1569-02-4

**Endocrine disrupting properties**

|| Assessment : No information available about endocrine disruption properties for human health.

**SECTION 12: Ecological information****12.1. Toxicity**

|| Component: 1-ethoxypropan-2-ol CAS-No. 1569-02-4

**Acute toxicity****Fish**

**ETHOXY PROPANOL**

LC50	:	< 10,000 mg/l (Pimephales promelas (fathead minnow); 24 h)
LC50	:	4,600 - 10,000 mg/l (Leuciscus idus (Golden orfe); 96 h) (static test; DIN 38412)

**Toxicity to daphnia and other aquatic invertebrates**

EC50	:	21,100 - 25,900 mg/l (Daphnia magna (Water flea); 48 h) (static test)
------	---	---

**algae**

EC50	:	> 1000 mg/l (Pseudokirchneriella subcapitata (green algae); 7 d) (static test; End point: Growth rate)
------	---	--

**Bacteria**

EC10	:	4600 mg/l (Pseudomonas putida; 16 h) (End point: Growth rate)
------	---	---

**Chronic toxicity****Fish**

NOEC	:	547 mg/l (Fish) estimated
------	---	---------------------------

**Aquatic invertebrates**

EC50	:	177 mg/l (Daphnia (water flea))
------	---	---------------------------------

**12.2. Persistence and degradability**

Component:	1-ethoxypropan-2-ol	CAS-No. 1569-02-4
------------	---------------------	-------------------

**Persistence and degradability****Persistence**

Result	:	No data available
--------	---	-------------------

**Biodegradability**

Result	:	87.7 % (aerobic) Readily biodegradable.
--------	---	---

**12.3. Bioaccumulative potential**

**ETHOXY PROPANOL**

<b>Component:</b>	<b>1-ethoxypropan-2-ol</b>	<b>CAS-No. 1569-02-4</b>
-------------------	----------------------------	--------------------------

**Bioaccumulation**

<b>Result</b>	: log Kow 1.46 (20 °C; pH 7) (Directive 84/449/EEC, A.8)
	: BCF: 3.16; (estimated)The product has low potential bioaccumulation.

**12.4. Mobility in soil**

<b>Component:</b>	<b>1-ethoxypropan-2-ol</b>	<b>CAS-No. 1569-02-4</b>
-------------------	----------------------------	--------------------------

**Mobility**

<b>Water</b>	: The product is water soluble.
<b>Soil</b>	: Highly mobile in soils

**12.5. Results of PBT and vPvB assessment****Data for the product****Results of PBT and vPvB assessment**

<b>Result</b>	: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
---------------	--

<b>Component:</b>	<b>1-ethoxypropan-2-ol</b>	<b>CAS-No. 1569-02-4</b>
-------------------	----------------------------	--------------------------

**Results of PBT and vPvB assessment**

<b>Result</b>	: This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is considered to be very persistent and very bioaccumulating (vPvB).
---------------	--

**12.6. Endocrine disrupting properties****Data for the product**

<b>Endocrine disrupting potential</b>	: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
---------------------------------------	---

<b>Component:</b>	<b>1-ethoxypropan-2-ol</b>	<b>CAS-No. 1569-02-4</b>
-------------------	----------------------------	--------------------------

<b>Endocrine disrupting potential</b>	: No information available about endocrine disruption properties for environment.
---------------------------------------	---

**12.7. Other adverse effects**

**ETHOXY PROPANOL****Data for the product****Additional ecological information**

Result : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

**Component:** 1-ethoxypropan-2-ol CAS-No. 1569-02-4

**Additional ecological information**

Result : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Product : Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging : Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. If recycling is not practicable, dispose of in compliance with local regulations. Do not burn, or use a cutting torch on, the empty drum. Risk of explosion.

European Waste Catalogue Number : No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

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

3271

**14.2. UN proper shipping name**

ADR : ETHERS, N.O.S.  
(1-ethoxypropan-2-ol)

RID : ETHERS, N.O.S.  
(1-ethoxypropan-2-ol)

IMDG : ETHERS, N.O.S.  
(1-ethoxypropan-2-ol)

**14.3. Transport hazard class(es)**

ADR-Class : 3  
(Labels; Classification Code; Hazard Identification Number; Tunnel restriction)

**ETHOXY PROPANOL**

code)	3; F1; 30; (D/E)
RID-Class (Labels; Classification Code; Hazard Identification Number)	: 3
IMDG-Class (Labels; EmS)	3; F1; 30
	: 3
	3; F-E, S-D

**14.4. Packaging group**

ADR	: III
RID	: III
IMDG	: III

**14.5. Environmental hazards**

Environmentally hazardous according to ADR	: no
Environmentally hazardous according to RID	: no
Marine Pollutant according to IMDG-Code	: no

**14.6. Special precautions for user**

Not applicable.

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable for product as supplied.

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

<b>Component:</b>	<b>1-ethoxypropan-2-ol</b>	<b>CAS-No. 1569-02-4</b>
-------------------	----------------------------	--------------------------

EU. Chemicals Subject : ; The substance/mixture does not fall under this legislation.  
to PIC Procedure:  
Regulation 649/2012/EU  
on export and import of  
dangerous chemicals, as  
amended

EU. REACH, Annex XVII, : Point Nos.: , 3; Listed  
Marketing and Use  
Restrictions (Regulation  
1907/2006/EC)

Point Nos.: , 40; Listed



**ETHOXY PROPANOL**

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I : Qualifying quantity for the application of Lower-tier requirements: 5,000 tonnes; Part 1: Categories of dangerous substances; Flammable liquids, Categories 2 or 3 not covered by P5a and P5b, The information given is valid if the product is stored below the boiling point and at a pressure of 1013 hPa.

Qualifying quantity for the application of Upper-tier requirements: 50,000 tonnes; Part 1: Categories of dangerous substances; Flammable liquids, Categories 2 or 3 not covered by P5a and P5b, The information given is valid if the product is stored below the boiling point and at a pressure of 1013 hPa.

Germany. Ordinance on Facilities Handling Substances that are Hazardous to Water, ((AwSV of 21 April 2017), UBA, BAnz AT), as amended : WGK 1: slightly hazardous to water: 5,042

Component:	2-Ethoxypropanol	CAS-No. 19089-47-5
------------	------------------	--------------------

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I : Qualifying quantity for the application of Lower-tier requirements: 5,000 tonnes; Part 1: Categories of dangerous substances; Flammable liquids, Categories 2 or 3 not covered by P5a and P5b, The information given is valid if the product is stored below the boiling point and at a pressure of 1013 hPa.

Qualifying quantity for the application of Upper-tier requirements: 50,000 tonnes; Part 1: Categories of dangerous substances; Flammable liquids, Categories 2 or 3 not covered by P5a and P5b, The information given is valid if the product is stored below the boiling point and at a pressure of 1013 hPa.

**15.2. Chemical safety assessment**

No data available

**SECTION 16: Other information**

II

Full text of H-Statements referred to under sections 2 and 3.

H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

**ETHOXY PROPANOL**

Full text of the Notes referred to under section 3.

**Abbreviations and Acronyms**

<b>AU AIICL</b>	Australia. Industrial Chemicals Act (AIIC) List
<b>BCF</b>	bioconcentration factor
<b>BOD</b>	biochemical oxygen demand
<b>CAS</b>	Chemical Abstracts Service
<b>CLP</b>	Classification, Labelling and Packaging
<b>CMR</b>	carcinogenic, mutagenic or toxic to reproduction
<b>COD</b>	chemical oxygen demand
<b>DNEL</b>	derived no-effect level
<b>DSL</b>	Canada. Environmental Protection Act, Domestic Substances List
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>ELINCS</b>	European List of Notified Chemical Substances
<b>ENCS (JP)</b>	Japan. Kashin-Hou Law List
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals
<b>IECSC</b>	China. Inventory of Existing Chemical Substances
<b>INSQ</b>	Mexico. National Inventory of Chemical Substances
<b>ISHL (JP)</b>	Japan. Inventory of Industrial Safety & Health
<b>KECI (KR)</b>	Korea. Existing Chemicals Inventory
<b>LC50</b>	median lethal concentration
<b>LOAEC</b>	lowest observed adverse effect concentration
<b>LOAEL</b>	lowest observed adverse effect level
<b>LOEL</b>	lowest observed effect level
<b>NDSL</b>	Canada. Environmental Protection Act. Non-Domestic Substances List
<b>NLP</b>	no-longer polymer
<b>NOAEC</b>	no observed adverse effect concentration
<b>NOAEL</b>	no observed adverse effect level
<b>NOEC</b>	no observed effect concentration
<b>NOEL</b>	no observed effect level
<b>NZIOC</b>	New Zealand. Inventory of Chemicals
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	occupational exposure limit
<b>ONT INV</b>	Canada. Ontario Inventory List
<b>PBT</b>	persistent, bioaccumulative and toxic
<b>PHARM (JP)</b>	Japan. Pharmacopoeia Listing
<b>PICCS (PH)</b>	Philippines. Inventory of Chemicals and Chemical Substances
<b>PNEC</b>	predicted no-effect concentration
<b>REACH Auth. No.:</b>	REACH Authorisation Number

**ETHOXY PROPANOL**

<b>REACH AuthAppC. No.</b>	REACH Authorisation Application Consultation Number
<b>STOT</b>	specific target organ toxicity
<b>SVHC</b>	substance of very high concern
<b>TCSI</b>	Taiwan. Existing Chemicals Inventory
<b>TH INV</b>	Thailand. Existing Chemicals Inventory from FDA
<b>TSCA</b>	US. Toxic Substances Control Act
<b>UVCB</b>	substance of unknown or variable composition, complex reaction products or biological materials
<b>VN INVL</b>	Vietnam. National Chemical Inventory
<b>vPvB</b>	very persistent and very bioaccumulative

**Further information**

Key literature references and sources for data	:	Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.
Methods used for product classification	:	The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.
Hints for trainings	:	The workers have to be trained regularly on the safe handling of the products based on the information provided in the Safety Data Sheet and the local conditions of the workplace. National regulations for the training of workers in the handling of hazardous materials must be adhered to.
Other information	:	<p>The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship.</p> <p>The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.</p>

|| Indicates updated section.