

Trade name: Benzinum medicinale

Substance number: 153000

Version: 14 / CH

Date revised: 08.03.2023

Replaces Version: 13 / CH

Print date: 08.03.23

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

1.1. Product identifier

Benzinum medicinale

Item No. 15300000

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

Use of the substance/preparation

Solvent

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2 H225

Skin Irrit. 2 H315

STOT SE 3 H336

Asp. Tox. 1 H304

Aquatic Chronic 2 H411

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements ***

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

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H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

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

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P331 Do NOT induce vomiting.

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

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

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

2.3. Other hazards

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous ingredients****Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

EINECS no.	927-510-4			
Registration no.	01-2119475514-35-XXXX			
Concentration	>= 50			%
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 2		H225	
	Skin Irrit. 2		H315	
	STOT SE 3		H336	
	Asp. Tox. 1		H304	
	Aquatic Chronic 2		H411	

Hydrocarbons, C6, isoalkanes, <5% n-hexane

CAS No.	64742-49-0			
EINECS no.	931-254-9			
Registration no.	01-2119484651-34-XXXX			
Concentration	>= 25	< 50		%
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 2		H225	
	Skin Irrit. 2		H315	
	STOT SE 3		H336	
	Asp. Tox. 1		H304	
	Aquatic Chronic 2		H411	

cyclohexane

CAS No.	110-82-7			
EINECS no.	203-806-2			
Concentration	>= 1	< 2.5		%
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 2		H225	

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Asp. Tox. 1	H304
Skin Irrit. 2	H315
STOT SE 3	H336
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

n-hexane

CAS No.	110-54-3
EINECS no.	203-777-6
Concentration	>= 1 < 2.5 %
Classification (Regulation (EC) No. 1272/2008)	
Flam. Liq. 2	H225
Asp. Tox. 1	H304
Skin Irrit. 2	H315
Repr. 2	H361f
STOT SE 3	H336
STOT RE 2	H373
Aquatic Chronic 2	H411

Concentration limits (Regulation (EC) No. 1272/2008)

STOT RE 1 H373 >= 5 %

Other information

94/69/EG (21. ATP). Content of benzene in the product is smaller than 0.1%. Annotation P is valid. Classification and characterization as may cause cancer (R45) is not necessary.

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

Remove contaminated, soaked clothing immediately and dispose of safely. Remove affected person from danger area. Adhere to personal protective measures when giving first aid

After inhalation

Remove the casualty into fresh air and keep him calm. Seek medical advice immediately. If the patient is likely to become unconscious, place and transport in stable sideways position.

After skin contact

Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).

After ingestion

Do not induce vomiting. Summon a doctor immediately. Rinse out mouth and give plenty of water to drink.

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

Dizziness, Unconsciousness, Nausea, Vomiting, CNS Disturbance, Narcosis, respiratory moderation

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / hazards**

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

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

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Suitable extinguishing media

Carbon dioxide, Foam, Dry powder, Extinguishing measures to suit surroundings, Extinguish greater fire with water spray or alcohol-resistant foam.

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Forms explosive mixture with air are possible. Vapours heavier than air. Can build mixtures of gas and air which are capable of explosion. In case of combustion evolution of dangerous gases possible.

Carbon monoxide (CO); Carbon dioxide (CO₂)

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Wear full protective suit. Use self-contained breathing apparatus.

Other information

Cool endangered containers with water spray jet.

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

Wear protective equipment. Keep away unprotected persons.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not empty into drains, caverns and basements. Advise water authority if spillage has entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust). When picked up, treat material as prescribed under Section 13 "Disposal". Ensure adequate ventilation.

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

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

Provide good ventilation of working area (local exhaust ventilation if necessary). Provide good room ventilation even at ground level (vapours are heavier than air). Handle and open container with care. Avoid formation of aerosols. Take action to prevent static discharges.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Vapours can form an explosive mixture with air. Use explosion-proof equipment/fittings and non-sparking tools. Risk of explosion if the liquid enters the drains.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

explosion proof. Provide solvent-resistant and impermeable floor.

Storage classes

Storage class according to TRGS 510	3	Flammable liquid
Storage category (Switzerland)	3	Flammable liquid

Further information on storage conditions

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Keep container tightly closed, cool and dry. Keep container tightly closed. Protect from direct sunlight.

SECTION 8: Exposure controls/personal protection *****8.1. Control parameters****Exposure limit values****cyclohexane**

List	SUVA				
Type	MAK				
Value	700	mg/m ³	200	ppm(V)	
Short term exposure limit	2800	mg/m ³	800	ppm(V)	
Remarks:	B; ZNS; NIOSH				

n-hexane

List	SUVA				
Type	MAK				
Value	180	mg/m ³	50	ppm(V)	
Short term exposure limit	1440	mg/m ³	400	ppm(V)	
Skin resorption / sensibilisation:	H; Pregnancy group: S; Remarks: H B R2F SSs; NS, Auge; NIOSH				

Derived No/Minimal Effect Levels (DNEL/DMEL)**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

Type of value	Derived No Effect Level (DNEL)				
Reference group	Worker				
Duration of exposure	Long term				
Route of exposure	dermal				
Mode of action	Systemic effects				
Concentration	300				mg/kg/d

Type of value	Derived No Effect Level (DNEL)				
Reference group	Worker				
Duration of exposure	Long term				
Route of exposure	inhalative				
Mode of action	Systemic effects				
Concentration	2085				mg/m ³

Type of value	Derived No Effect Level (DNEL)				
Reference group	Consumer				
Duration of exposure	Long term				
Route of exposure	dermal				
Mode of action	Systemic effects				
Concentration	149				mg/kg/d

Type of value	Derived No Effect Level (DNEL)				
Reference group	Consumer				
Duration of exposure	Long term				
Route of exposure	inhalative				
Mode of action	Systemic effects				
Concentration	477				mg/m ³

Type of value	Derived No Effect Level (DNEL)				
Reference group	Consumer				
Duration of exposure	Long term				
Route of exposure	oral				
Concentration	149				mg/kg/d

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Hydrocarbons, C6, isoalkanes, <5% n-hexane

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	13964	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	5306	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	1377	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	1137	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	1301	mg/kg/d

8.2. Exposure controls**Exposure controls**

See Section 7. No measures exceeding the ones mentioned necessary.

General protective and hygiene measures

Keep away from food-stuffs, beverages and feed-stocks. Wash hands before breaks and after work. Store work clothing separately. At work do not eat, drink, smoke or take drugs. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes.

Respiratory protection

Breathing apparatus in the event of vapours. Breathing apparatus in the event of aerosol or mist formation. Gas filterA.

Hand protection ***

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Appropriate Material nitrile rubber - NBR

Eye protection

Tightly fitting safety glasses

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Body protection

Solvent-resistant protective clothing

Environmental exposure controls

Do not allow to enter drains or water courses.

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

Physical state	Liquid			
Colour	colourless			
Odour	slightly perceptible			
Freezing point	No data available			
Remarks	No data available			
Boiling point or initial boiling point and boiling range	No data available			
Value	66	to	98	°C
Upper and lower explosive limits	No data available			
Lower explosion limit	0.6			%(V)
Upper explosion limit	7.4			%(V)
Flash point	No data available			
Value	-20			°C
Ignition temperature	No data available			
Value	258			°C
pH value	No data available			
Remarks	No data available			
Viscosity	No data available			
kinematic	No data available			
Value	0.3	to	1.2	mm ² /s
Temperature	20			°C
Vapour pressure	No data available			
Value	172			hPa
Temperature	20			°C
Density and/or relative density	No data available			
Value	0.65	to	0.78	g/cm ³
Temperature	15			°C
Value	0.7			
Value	0.7			
Temperature	15			°C
Remarks	Relative Density according specification			
Relative vapour density	No data available			
Remarks	No data available			
9.2. Other information	No data available			
Odour threshold	No data available			
Remarks	No data available			
Evaporation rate	No data available			
Remarks	No data available			
Solubility in water	virtually insoluble			
Remarks	virtually insoluble			

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Efflux time

Remarks No data available

Oxidising properties

Remarks Not applicable

Other information

Forms explosive mixture with air are possible.

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

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

Heat. Flames. Sparks

10.5. Incompatible materials

Strong oxidising agents

10.6. Hazardous decomposition products

Flammable gases/vapours, Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

Remarks No data available

Acute oral toxicity (Components)**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

Species	rat	
LD50	> 5840	mg/kg
Method	OECD 401	
Source	Analogous	

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Species	rat	
LD50	> 5000	mg/kg
Method	OECD 401	

cyclohexane

Species	rat	
LD50	12700	mg/kg
Source	GESTIS-Stoffdatenbank	
Source	Toxicology and Applied Pharmacology. Vol. 19, Pg. 699, 1971.	

Acute dermal toxicity

Species	rabbit	
LD50	> 2920	mg/kg

Acute dermal toxicity (Components)**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

Species	rat	
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LD50	>	2920	mg/kg
Method		OECD 402	
Source		Analogous	

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Species		rat	
LC50	>	3000	mg/kg
Method		OECD 402	

Acute inhalational toxicity

Species		rat	
LC50	>	25.2	mg/l
Duration of exposure		4	h

Acute inhalative toxicity (Components)**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

Species		rat	
LC50	>	23.3	mg/l
Duration of exposure		4	h
Administration/Form		Vapors	
Method		OECD 403	
Source		Analogous	

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Species		rat	
LC50	>	20	mg/l
Duration of exposure		4	h
Administration/Form		Vapors	
Method		OECD 403	

Skin corrosion/irritation

Remarks	Repeated and prolonged skin contact may lead to defatting and irritation of the skin.
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Skin corrosion/irritation (Components)**Hydrocarbons, C6, isoalkanes, <5% n-hexane**

evaluation	Moderately irritating
Method	OECD 404

Serious eye damage/irritation

Remarks	slightly irritating (Eye)
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Serious eye damage/irritation (Components)**Hydrocarbons, C6, isoalkanes, <5% n-hexane**

evaluation	Moderately irritating
Method	OECD 405

Sensitization

Remarks	No sensitization effect known.
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Sensitization (Components)**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

evaluation	non-sensitizing
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Hydrocarbons, C6, isoalkanes, <5% n-hexane

evaluation	non-sensitizing
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cyclohexane

Remarks	No sensitization effect known.
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Subacute, subchronic, chronic toxicity

Remarks	Chronic exposure causes damage of respiratory organs.
Remarks	Chronic exposure may cause serious damage of skin.

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Mutagenicity (Components)**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

evaluation No experimental indications on genotoxicity in vivo found.
Source Analogous

Hydrocarbons, C6, isoalkanes, <5% n-hexane

evaluation No experimental indications on genotoxicity in vivo found.
Source Analogous

cyclohexane

Remarks No information available.

Reproduction toxicity (Components)**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

evaluation No negative effects
Source Analogous

Hydrocarbons, C6, isoalkanes, <5% n-hexane

evaluation No negative effects
Source Analogous

cyclohexane

Remarks No data available.

Carcinogenicity (Components)**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

evaluation No negative effects
Source Analogous

Hydrocarbons, C6, isoalkanes, <5% n-hexane

evaluation No negative effects
Source Analogous

cyclohexane

evaluation No negative effects
Remarks Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT)**Single exposure**

evaluation May cause drowsiness or dizziness.
Route of exposure inhalative
Organs: Nervous system

Repeated exposure

Remarks No data available

Specific Target Organ Toxicity (STOT) (Components)**cyclohexane**

Remarks No data available

Aspiration hazard

Harmful: may cause lung damage if swallowed.

Aspiration hazard (Components)**cyclohexane**

Harmful: may cause lung damage if swallowed.

11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

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Experience in practice

Causes a numb feeling.

Other information

The toxicological data mentioned are derived from on analogous product.

SECTION 12: Ecological information *****12.1. Toxicity****Fish toxicity (Components)****Hydrocarbons, C6, isoalkanes, <5% n-hexane**

Species	red killifish		
LC50	1		mg/l
Duration of exposure	48	h	
Source	Analogous		

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Species	rainbow trout (Oncorhynchus mykiss)		
LC50	13.4		mg/l
Duration of exposure	96	h	

cyclohexane

Species	Fathead minnow (Pimephales promelas)		
LC50	4.5		mg/l
Duration of exposure	4	d	

Daphnia toxicity (Components)**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

Species	Daphnia magna		
NOEC	0.17		mg/l
Duration of exposure	21	d	
Source	Analogous		

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Species	Daphnia magna		
LC50	3.87		mg/l
Duration of exposure	48	h	
Source	Analogous		

cyclohexane

Species	Daphnia magna		
EC50	0.9		mg/l
Duration of exposure	2	d	

Algae toxicity (Components)**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

Species	Pseudokirchneriella subcapitata		
NOEC	10		mg/l
Duration of exposure	72	h	
Source	Analogous		

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Species	Pseudokirchneriella subcapitata		
EC50	10	to	30
Duration of exposure	72	h	mg/l
Source	Analogous		

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Species	Pseudokirchneriella subcapitata		
ErC50	55		mg/l
Duration of exposure	72	h	

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Source	Analogous		
Hydrocarbons, C6, isoalkanes,<5% n-hexane			
NOEC	30		mg/l
Duration of exposure	72	h	
cyclohexane			
Species	Chlorobionta		
EC50	9.317		mg/l
Duration of exposure	3	d	

Bacteria toxicity (Components)**cyclohexane**

Remarks No data available.

12.2. Persistence and degradability**General information**

For this subsection there is no ecotoxicological data available on the product as such.

Biodegradability (Components)**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

Value	98		%
Duration of test evaluation	28	d	
Source	Readily biodegradable		
	Analogous		

Hydrocarbons, C6, isoalkanes,<5% n-hexane

Value	98		%
Duration of test evaluation	28	d	
Source	Readily biodegradable		
	Analogous		

12.3. Bioaccumulative potential**Octanol/water partition coefficient (log Pow) (Components)****Hydrocarbons, C6, isoalkanes,<5% n-hexane**

log Pow 3.6

12.4. Mobility in soil**General information**

For this subsection there is no ecotoxicological data available on the product as such.

Mobility in soil (Components)**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

The product is insoluble and floats on water.

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Adsorbs on soil.

Hydrocarbons, C6, isoalkanes,<5% n-hexane

The product is insoluble and floats on water.

Hydrocarbons, C6, isoalkanes,<5% n-hexane

The product is easily volatile.

Hydrocarbons, C6, isoalkanes,<5% n-hexane

Will not adsorb on soil.

12.5. Results of PBT and vPvB assessment**Results of PBT and vPvB assessment *****

The product contains no PBT substances

The product contains no vPvB substances.

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12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the environment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

General information / ecology

Do not allow it to reach ground water, water bodies or sewage system. Very toxic to aquatic life.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code

No not dispose with rubbish.

In accordance with regulations for special waste, must be taken, to an authorised special waste incineration plant.

EWC waste code

Should not be released into the sanitary sewer system.

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

SECTION 14: Transport information ***

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	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
Tunnel restriction code	D/E		
14.1. UN number	3295	3295	3295
14.2. UN proper shipping name	HYDROCARBONS, LIQUID, N.O.S. (cyclohexane)	HYDROCARBONS, LIQUID, N.O.S. (cyclohexane)	HYDROCARBONS, LIQUID, N.O.S. (cyclohexane)
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	II	II	II
Special provision	640D		
Limited Quantity	1 I		
Transport category	2		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant 	 ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

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

Water Hazard Class (Germany)

Water Hazard Class (Germany) WGK 3

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Hazard statements listed in Chapter 3

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.

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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.

CLP categories listed in Chapter 3

Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 2	Flammable liquid, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin irritation, Category 2
STOT RE 2	Specific target organ toxicity - repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.