

## tetrahydrofuran-d8

Classification acc. to 29 CFR 1910.1200

Revision: 2025-06-11

Version number: GHS 4.1 Replaces version of: 2025-06-10 (GHS 3)

### **SECTION 1: Identification**

#### **Product identifier** 1.1

Identification of the substance Tetrahydrofuran-d8

1693-74-9 CAS number Alternative name(s) THF-d8

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

Relevant identified uses laboratory and analytical use

laboratory chemical

scientific research and development

the product is intended for research, analysis and

scientific education

product and process oriented research and devel-

opment

HS code 2845.90.

#### 1.3 Details of the supplier of the safety data sheet

Zeochem AG Joweid 5, CH-8630 Rüti

Switzerland

Telephone: +41 44 922 93 93 e-Mail: info@zeochem.com

Website: https://www.zeochem.com

#### 1.4 **Emergency telephone number**

Poison center					
Country	Name	Telephone			
Switzerland	Toxzentrum Zürich / Tox. Info Suisse	+41 44 251 51 51 / CH: 145 - 24h/7d			
United States	CHEMTREC USA	+1 800 424 9300 - 24h/7d			

### **SECTION 2: Hazard(s) identification**

#### 2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class		Hazard class and cat- egory	Hazard state- ment
A.1I	acute toxicity (inhal.)		Acute Tox. 4	H332
A.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
A.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319
A.6	carcinogenicity	2	Carc. 2	H351
A.8R	specific target organ toxicity - single exposure (respiratory tract irritation)		STOT SE 3	H335
B.6	B.6 flammable liquid		Flam. Liq. 2	H225



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For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects
The product is combustible and can be ignited by potential ignition sources.

#### 2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

## 2.2.1.2 Pictograms

GHS02, GHS07, GHS08		
------------------------	--	--

Hazard statements				
H225	highly flammable liquid and vapor			
H315	causes skin irritation			
H319	causes serious eye irritation			
H332	harmful if inhaled			
H335	may cause respiratory irritation			
H351	suspected of causing cancer			

	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
P261	avoid breathing dust/fume/gas/mist/vapors/spray
P271	use only outdoors or in a well-ventilated area
P280	wear protective gloves/eye protection/face protection
P302+P352	if on skin: Wash with plenty of water
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
P305+P351+P338	if in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312	call a poison center/doctor if you feel unwell
P321	specific treatment (see on this label)
P362	take off contaminated clothing and wash before reuse
P370+P378	in case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish



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Precautionary statements					
P403+P233	store in a well-ventilated place. Keep container tightly closed				
P403+P235 store in a well-ventilated place. Keep cool					
P405	store locked up				
P501	dispose of contents/container in accordance with local/regional/national/international regulations				

#### 2.3 Other hazards

Hazards not otherwise classified

May form explosive peroxides.

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of  $\geq 0.1\%$ .

### **SECTION 3: Composition/information on ingredients**

#### 3.1 Substances

Name of substance tetrahydrofuran-d8

Identifiers

CAS No 1693-74-9 Purity >99 %

Impurities and	2 avitibbe	classification	acc to GHS
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Name of substance		CAS No	Wt%	Classification acc. to GHS
Deuterium oxide		7789-20-0	0.03	

Molecular formula C4D80 Molar mass 80.2 g/mol

#### **Remarks**

For full text of abbreviations: see SECTION 16

#### **SECTION 4: First-aid measures**

### 4.1 Description of first-aid measures

### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact



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Wash with plenty of soap and water.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

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

none

### **SECTION 5: Fire-fighting measures**

### 5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO2)

Unsuitable extinguishing media

Water jet

#### 5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

#### Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

#### **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

#### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

#### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques



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Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

#### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

### **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

Recommendations

Store in a dry place.

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

#### Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Specific designs for storage rooms or vessels
- Storage temperature

Recommended storage temperature: 4 – 6 °C 2 °C

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

### 7.3 Specific end use(s)

See section 16 for a general overview.

### **SECTION 8: Exposure controls/personal protection**

### 8.1 Control parameters



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Occupational exposure limit values (Workplace Exposure Limits)										
Coun- try	Name of agent	CAS No	Identi- fier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [mg/m³]	Nota- tion	Source
US	tetrahydrofuran	109-99-9	REL	200 (10 h)	590 (10 h)	250	735			NIOSH REL
US	tetrahydrofuran	109-99-9	PEL	200	590					29 CFR 1910.10 00
US	tetrahydrofuran	109-99-9	TLV®	50		100			Н	ACGIH® 2023
US	tetrahydrofuran (THF)	109-99-9	PEL (CA)	200	590	250	735			Cal/OSH A PEL

#### **Notation**

Ceiling-C ceiling value is a limit value above which exposure should not occur

Н absorbed through the skin

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute peri-

od (unless otherwise specified)

TWA  $time-weighted \ average\ (long-term\ exposure\ limit):\ measured\ or\ calculated\ in\ relation\ to\ a\ reference\ period\ of\ 8\ hours\ time-weighted\ average\ (unless\ otherwise\ specified$ 

Biological limit values						
Country	Name of agent	Parameter	Notation	Identifier	Value	Source
US	tetrahydrofuran	tetrahydrofuran		BEI®	2 mg/l	ACGIH® 2023

## Human health values

Relevant DNELs and other threshold levels						
Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time		
DNEL	72.4 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects		
DNEL	96 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects		
DNEL	150 mg/m³	human, inhalatory	worker (industry)	chronic - local effects		
DNEL	300 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects		
DNEL	12.6 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects		

#### **Environment values**

Relevant PNECs and other threshold levels						
Endpoint	Threshold level	Organism	Environmental compartment	Exposure time		
PNEC	4.32 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	freshwater	short-term (single instance)		
PNEC	0.432 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	marine water	short-term (single instance)		
PNEC	4.6 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)		



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Relevant PNECs and other threshold levels				
Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
PNEC	23.3 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	freshwater sediment	short-term (single instance)
PNEC	2.33 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	marine sediment	short-term (single instance)
PNEC	2.13 <sup>mg</sup> / <sub>kg</sub>	terrestrial organisms	soil	short-term (single instance)

#### 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

#### Eye/face protection

Wear eye/face protection.

#### Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Type of material

Nitrile

IIR: isobutene-isoprene (butyl) rubber

- Breakthrough times of the glove material

>30 minutes (permeation: level 2)

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

### **SECTION 9: Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

#### **Appearance**

Physical state	liquid
Color	colorless
Particle	not relevant (liquid)
Odor	characteristic

## Other safety parameters



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pH (value)	not determined	
Melting point/freezing point	-106 °C	
Initial boiling point and boiling range	65 °C at 101 kPa	
Flash point	-17.2 °C at 101 kPa (closed cup)	
Evaporation rate	not determined	
Flammability (solid, gas)	not relevant, (fluid)	
Vapor pressure	17 kPa at 20 °C	
Density	0.99 <sup>g</sup> / <sub>cm³</sub> at 25 °C	
Vapor density	this information is not available	

### Solubility(ies)

- Water solubility	miscible in any proportion
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#### Partition coefficient

- n-octanol/water (log KOW)	0.45 (pH value: 7, 25 °C) (ECHA)	
Auto-ignition temperature	215 °C at 101 kPa (ECHA) (auto-ignition temperature (liquids and gases))	
Decomposition temperature	321 °C	

## Viscosity

- Dynamic viscosity	0.359 mPa s at 50 °C	
Explosive properties	explosive	
Oxidizing properties	none	

#### 9.2 Other information

Refractive index	1.4 (20 °C) ((lit.))
Temperature class (USA, acc. to NEC 500)	T3 (maximum permissible surface temperature on the equipment: 200°C)

## **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". It's a reactive substance. The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition



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### 10.2 Chemical stability

See below "Conditions to avoid".

#### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4 Conditions to avoid

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

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

#### 10.5 Incompatible materials

Oxidizers

## 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

### **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

## Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Harmful if inhaled.

Acute toxicity estimate (ATE)

Inhalation: gas >4,500 ppmV/<sub>4h</sub>
Inhalation: vapor 11 mg/<sub>1</sub>/<sub>4</sub>h

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/eye irritation

Causes serious eye irritation.

#### Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

#### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

### Carcinogenicity

Suspected of causing cancer.

## IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

Name of substance	CAS No	Classification	Number
tetrahydrofuran-d8	109-99-9	2B	

#### Legend

2B Possibly carcinogenic to humans

### Reproductive toxicity

Shall not be classified as a reproductive toxicant.



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Specific target organ toxicity - single exposure

May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

### **SECTION 12: Ecological information**

#### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

### 12.2 Persistence and degradability

Process of degradability				
Process	Degradation rate	Time		
oxygen depletion	39 %	28 d		

### 12.3 Bioaccumulative potential

Data are not available.

n-octanol/water (log KOW)	0.45 (pH value: 7, 25 °C) (ECHA)
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#### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

#### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of  $\geq$  0.1%.

#### 12.7 Other adverse effects

Data are not available.

### **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.



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## **SECTION 14: Transport information**

#### 14.1 UN number

DOT UN 2056
IMDG-Code UN 2056
ICAO-TI UN 2056

### 14.2 UN proper shipping name

DOT Tetrahydrofuran
IMDG-Code TETRAHYDROFURAN
ICAO-TI Tetrahydrofuran

### 14.3 Transport hazard class(es)

DOT 3
IMDG-Code 3
ICAO-TI 3

### 14.4 Packing group

DOT II IMDG-Code II ICAO-TI II

### **14.5** Environmental hazards non-environmentally hazardous acc. to the dan-

gerous goods regulations

#### 14.6 Special precautions for user

There is no additional information.

### 14.7 Transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

## **Information for each of the UN Model Regulations**

### Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration UN2056, Tetrahydrofuran, 3, II Reportable quantity (RQ) 1,000 lbs (454 kg) (tetrahydrofuran-d8)

Danger label(s) 3



Special provisions (SP) IB2, T4, TP1

ERG No 127

### International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant -



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Danger label(s) 3



Special provisions (SP)

Excepted quantities (EQ) E2
Limited quantities (LQ) 1 L
EmS F-E, S-D

Stowage category B

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Danger label(s) 3



Excepted quantities (EQ) E2
Limited quantities (LQ) 1 L

### **SECTION 15: Regulatory information**

## 15.1 Safety, health and environmental regulations specific for the product in question

**National regulations (United States)** 

**Toxic Substance Control Act (TSCA)** substance is listed (ACTIVE)

Superfund Amendment and Reauthorization Act (SARA TITLE III)

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

not listed

- Specific Toxic Chemical Listings (EPCRA Section 313)

#### Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

Name of substance	CAS No	Remarks	Statutory code	Final RQ pounds (Kg)
tetrahydrofuran-d8	109-99-9		4	1000 (454)

#### **Legend**

4 "4" indicates that the source is section 3001 of the Resource Conservation and Recovery Act (RCRA)

#### **Clean Air Act**

not listed

#### **Right to Know Hazardous Substance List**



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### - Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
tetrahydrofuran-d8	109-99-9		IARC Carcinogens - 2B IRIS Neurotoxicants Prop 65

#### - Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE		De Minimis Concen- tration Threshold
tetrahydrofuran-d8	109-99-9			1.0 %

#### - Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
tetrahydrofuran-d8	109-99-9	A, O	

#### Legend

- A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH
- Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division

### - Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
tetrahydrofuran-d8	109-99-9		F3 R1

#### <u>Legend</u>

F3 Flammable - Third Degree R1 Reactive - First Degree

#### - Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
FURAN, TETRAHYDRO-	109-99-9	Е

### <u>Legend</u>

E Environmental hazard

#### - Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
tetrahydrofuran-d8	109-99-9	T, F
tetrahydrofuran-d8	109-99-9	T, F
tetrahydrofuran-d8	109-99-9	T, F

A Company of CPH Group AG



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#### <u>Legend</u>

F Flammability (NFPA®)
T Toxicity (ACGIH®)

# California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
tetrahydrofuran	109-99-9		cancer

### Industry or sector specific available guidance(s)

#### **NPCA-HMIS® III**

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	3	material that can be ignited under almost all ambient temperature conditions
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

#### **NFPA® 704**

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	3	material that can be ignited under almost all ambient temperature conditions
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

#### **National inventories**

Country	Inventory	Status
EU	REACH Reg.	substance is listed
US	TSCA	substance is listed (ACTIVE)

<u>Legend</u>

REACH Reg. REACH registered substances
TSCA Toxic Substance Control Act



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### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance.

### SECTION 16: Other information, including date of preparation or last revision

## Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety- relevant
1.1	Alternative name(s): tetrahydrofuran-d8	Alternative name(s): THF-d8	yes

#### Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

#### List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H225	Highly flammable liquid and vapor.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.

#### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.