# Safety Data Sheet

according to Regulation (EU) 2015/830 Date of issue: 01/06/2022 Version: 1.0

Doc. No: SDS-954.01P/2



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

#### 1.1. Product identifier

Product form : Substance

Substance name : 1-Octane sulfonic acid, sodium salt IUPAC name : sodium hydrate octane-1-sulfonate

EC-No. : 226-195-4 
CAS-No. : 5324-84-5 
Type of product : Pure substances 
Formula :  $C_8H_{17}NaO_3S$  
Product group : Trade product

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

#### 1.2.1. Relevant identified uses

Use of the substance/mixture : Laboratory chemicals

### 1.2.2. Uses advised against

No additional information available.

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

ISOLAB Laborgeräte GmbH

Am Dillhof 2 - 63863 Eschau / GERMANY

Tel: + 49 93 74 / 978 55-0 Fax: +49 93 74 / 978 55-29 prodsafe@isolab.de

### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Germany	Giftnotruf der Charité CBF, Haus VIII (Wirtschaftgebäude), UG	Hindenburgdamm 30 12203 Berlin	+49 30 19240	

### **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

 Skin Irr. 2
 H315

 Eye Irr. 2
 H319

Full text of hazard classes and H-statements : see section 16

### Adverse physicochemical, human health and environmental effects

No additional information available.

#### 2.2. Label elements

# Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning

Hazard statements (CLP) : H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

Precautionary statements (CLP) : P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing

### 2.3. Other hazards

No additional information available.

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

: Mono-constituent Substance type

Name	Product identifier	Conc. (% w/w)
1-Octane sulfonic acid, sodium salt	(CAS-No.) 5324-84-5 (EC-No.) 226-195-4	<= 100

Full text of H-statements: see section 16

#### 3.2. **Mixtures**

Not applicable

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

# Description of first aid measures

: Call a physician immediately. First-aid measures general

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician

immediately.

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to First-aid measures after eye contact

do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Call a physician immediately.

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

No additional information available.

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

Treat symptomatically.

# **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

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

Hazardous decomposition products in case of

: Toxic fumes may be released.

fire

### Advice for firefighters

Protection during firefighting

: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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

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

#### 6.1.1. For non-emergency personnel

Emergency procedures

: Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe

dust/fume/gas/mist/vapours/spray.

#### 6.1.2. For emergency responders

Protective equipment

: Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

# **Environmental precautions**

Avoid release to the environment.

### Methods and material for containment and cleaning up

: Mechanically recover the product. Methods for cleaning up

Other information : Dispose of materials or solid residues at an authorized site.

#### Reference to other sections

For further information refer to section 13.

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

### Precautions for safe handling

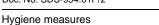
Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe Precautions for safe handling dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.

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

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

Always wash hands after handling the product.

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

No additional information available.

# SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available.

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

# Environmental exposure controls:

Avoid release to the environment.

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

### 9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Powder.

Molecular mass : 216.27 g/mol

Colour : White.

Odour : No data available on odour.

Odour threshold : No data available.

pH : 5.5 - 7.5 (100 g/l, H<sub>2</sub>O, 20 °C)

Relative evaporation rate (butylacetate=1) : No data available.

Melting point : > 300 °C Freezing point : Not applicable Boiling point : No data available. Flash point : Not applicable Auto-ignition temperature Not applicable Decomposition temperature : No data available. Flammability (solid, gas) : Non flammable. Vapour pressure : No data available. Relative vapour density at 20 °C : No data available. Relative density : Not applicable

Density : 0.96 g/cm³ OECD 109, D McSherry (2018)

Solubility : Soluble in water.

Log Pow : No data available.

Viscosity, kinematic : Not applicable

Viscosity, dynamic : No data available.

Explosive properties : Not explosive.

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Oxidising properties : Not oxidising. **Explosive limits** : Not applicable

#### 9.2. Other information

No additional information available.

# **SECTION 10: Stability and reactivity**

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### Incompatible materials 10.5.

Bases. Strong bases.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# **SECTION 11: Toxicological information**

#### Information on toxicological effects

: Not classified Acute toxicity (oral) Acute toxicity (dermal) : Not classified Acute toxicity (inhalation) : Not classified

Skin corrosion/irritation : Causes severe skin burns and eye damage.

Serious eye damage/irritation Causes serious eye damage.

Respiratory or skin sensitisation : Not classified : Not classified Germ cell mutagenicity Carcinogenicity : Not classified Reproductive toxicity : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified Aspiration hazard : Not classified

# **SECTION 12: Ecological information**

#### 12.1. **Toxicity**

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

Acute aquatic toxicity : Not classified Chronic aquatic toxicity : Not classified

#### Persistence and degradability 12.2.

No additional information available.

#### 12.3. Bioaccumulative potential

No additional information available.

#### Mobility in soil 12.4.

No additional information available.

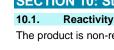
#### Results of PBT and vPvB assessment 12.5.

No additional information available.

### Other adverse effects

No additional information available.

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# **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations.

# SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID	
14.1. UN number					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.2. UN proper s	14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
	nazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.4. Packing gro	oup				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.5. Environmental hazards					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
	<u>.</u>	No supplementary information	on available	•	

# 14.6. Special precautions for user

#### - Overland transport

Not applicable

# - Transport by sea

Not applicable

#### - Air transport

Not applicable

### - Inland waterway transport

Not applicable

### - Rail transport

Not applicable

# 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

# **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

- 1-Octane sulfonic acid, sodium salt is not on the REACH Candidate List
- 1-Octane sulfonic acid, sodium salt is not on the REACH Annex XIV List

### 15.1.2. National regulations

No additional information available.

# 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# **SECTION 16: Other information**

Abbreviations and acronyms:

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ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways		
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road		
ATE	Acute Toxicity Estimate		
BCF	Bioconcentration factor		
EC50	Median effective concentration		
IARC	International Agency for Research on Cancer		
IATA	International Air Transport Association		
IMDG	International Maritime Dangerous Goods		
LC50	Median lethal concentration		
LD50	Median lethal dose		
LOAEL	Lowest Observed Adverse Effect Level		
NOAEC	No-Observed Adverse Effect Concentration		
NOAEL	No-Observed Adverse Effect Level		
NOEC	No-Observed Effect Concentration		
OECD	Organisation for Economic Co-operation and Development		
PBT	Persistent Bioaccumulative Toxic		
PNEC	Predicted No-Effect Concentration		
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail		
SDS	Safety Data Sheet		
STP	Sewage treatment plant		
vPvB	Very Persistent and Very Bioaccumulative		

Data sources

Other information

- : Classification according to Regulation (EC) No. 1272/2008 [CLP].
- : DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

# Full text of H- and EUH-statements:

Skin Irr. 2	Skin irritation, Category 2
Eye Irr. 2	Eye irritation, Category 2
H315	Causes skin irritation.
H319	Causes serious eye irritation

### SDS ISOLAB (EU)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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