

## Material Safety Data Sheet Heptane-1-sulfonic acid

### SECTION 1.1 – PRODUCT IDENTIFICATION

**Product Name** : Heptane-1-sulfonic acid  
**Molecular Formula** :  $C_7H_{15}NaO_3S$   
**Molecular Weight** : 202.24 g/mol.  
**CAS No.** : 22767-50-6

### SECTION: 1.2 – COMPANY IDENTIFICATION

**Company Name:** Indenta Chemicals (India) Pvt. Ltd.

**Address:** 117, The Summit Business Bay, Opp Cinemax, Off. Sir M.V. Road, Near WEH Metro Station, Andheri (E), Mumbai 400 093, India

**Telephone #:** +91-22-26849600

**Fax #:** +91-22-26849060

### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	% by Weight
Heptane-1-sulfonic acid	22767-50-6	100

**Toxicological Data on Ingredients:** Not Available.

### SECTION 3: HAZARD IDENTIFICATION

#### 3.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### 3.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### 3.3 Other hazards

None known.

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### If inhaled

fresh air.

##### In case of skin contact

Take off immediately all contaminated clothing. Rinse skin with water/ shower.

##### In case of eye contact

rinse out with plenty of water. Remove contact lenses.

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Unit 1: Plot No. 1405, GIDC Sarigam, Dist. Valsad, Gujarat – 396155

Unit 2: Building No. 73, Gala No. 7, Indian Corporation Compound, Village Gundavli, Mankoli Naka, Bhiwandi, Thane - 421302



**If swallowed**

make victim drink water (two glasses at most). Consult doctor if feeling unwell.

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

irritant effects, Cough, Shortness of breath

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

No data available

## **SECTION 5: FIRE AND EXPLOSION DATA**

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**5.1 Extinguishing media**

**Suitable extinguishing media**

Water, Foam, Carbon dioxide (CO<sub>2</sub>), Dry powder

**Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

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

Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire.

Fire may cause evolution of:

Sulphur oxides

**5.3 Advice for firefighters**

Special protective equipment for firefighters

In the event of fire, wear self-contained breathing apparatus.

**5.4 Further information**

Suppress (knock down) gases/vapours/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

Advice for emergency responders: Protective equipment see section 8.

**6.2 Environmental precautions**

Do not let product enter drains.

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

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10).

Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

**6.4 Reference to other sections**

For disposal see section 13.

## **SECTION 7: HANDLING AND STORAGE**

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**7.1 Precautions for safe handling**

Advice on safe handling

Observe label precautions.

Hygiene measures

Change contaminated clothing. Wash hands after working with substance.

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

Storage conditions

Tightly closed. Dry.

Recommended storage temperature see product label.

## SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Appropriate engineering controls

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

#### Individual protection measures

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

#### Eye/face protection

Safety glasses

#### Hand protection

##### full contact:

Glove material:

Nitrile rubber

Glove thickness:

0.11 mm

Break through time:

480 min

##### splash contact:

Glove material:

Nitrile rubber

Glove thickness:

0.11 mm

Break through time:

480 min

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374, for example KCL 741 Dermatril® L (full contact), KCL 741 Dermatril® L (splash contact).

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types.

This recommendation applies only to the product stated in the safety data sheet(>,<) supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)).

#### Respiratory protection

required when dusts are generated.

Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

#### Environmental exposure controls

Do not let product enter drains.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### a) Appearance

Form : solid

Colour : white

#### b) Odour

odourless

#### c) Odour Threshold

Not applicable

d) pH	5.5 - 7.5 at 100 g/l 20 °C
e) Melting point/freezing point	> 300 °C
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid,gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	No data available
n) Water solubility	at 20 °C soluble
o) Partition coefficient: n-octanol/water	log Pow: -1.58 (calculated) (Lit.) Bioaccumulation is not expected.
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available
9.2 Other safety information	
Bulk density	ca.391 kg/m <sup>3</sup>

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

The following applies in general to flammable organic substances and mixtures:  
in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

### 10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

### 10.3 Possibility of hazardous reactions

Violent reactions possible with:

Oxidizing agents

### 10.4 Conditions to avoid

no information available

### 10.5 Incompatible materials

no information available

### 10.6 Hazardous decomposition products

in the event of fire: See section 5.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute oral toxicity

Symptoms: Possible damages:, Irritations of mucous membranes in the mouth, pharynx, oesophagus and

gastrointestinal tract.

**Acute inhalation toxicity**

Symptoms: Possible damages:, mucosal irritations, Cough, Shortness of breath

**Acute dermal toxicity**

This information is not available.

**Skin corrosion/irritation**

Possible damages:

slight irritation

**Serious eye damage/eye irritation**

Possible damages:

slight irritation

**Respiratory or skin sensitisation**

This information is not available.

**Germ cell mutagenicity**

This information is not available.

**Carcinogenicity**

This information is not available.

**Reproductive toxicity**

This information is not available.

**Teratogenicity**

This information is not available.

**Specific target organ toxicity - single exposure**

This information is not available.

**Specific target organ toxicity - repeated exposure**

This information is not available.

**Aspiration hazard**

This information is not available.

**11.2 Further information**

However, when the product is handled appropriately, hazardous effects are unlikely to occur.

Handle in accordance with good industrial hygiene and safety practice.

## SECTION 12: ECOLOGICAL INFORMATION

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**12.1 Toxicity**

No data available.

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

Partition coefficient: n-octanol/water  
log Pow: -1.58  
(calculated)  
(Lit.) Bioaccumulation is not expected.

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**12.6 Other adverse effects**

Discharge into the environment must be avoided.

**SECTION 13: DISPOSAL CONSIDERATION**

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**13.1 Waste treatment methods**

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

See [www.retrologistik.com](http://www.retrologistik.com) for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

**SECTION 14: TRANSPORT INFORMATION**

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**Land transport (ADR/RID)**

**14.1 - 14.6** Not classified as dangerous in the meaning of transport regulations.

**Inland waterway transport (ADN)**

Not relevant

**Air transport (IATA)**

**14.1 - 14.6** Not classified as dangerous in the meaning of transport regulations.

**Sea transport (IMDG)**

**14.1 - 14.6** Not classified as dangerous in the meaning of transport regulations.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not relevant

**SECTION 15: OTHER REGULATORY INFORMATION**

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

Storage class 10 – 13

**15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out

**SECTION 16: ADDITIONAL INFORMATION**

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This information is provided for documentation purposes only.

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