

# 河北捷润科技有限公司

## Hebei JRain Technology Co., Ltd.

### Lauryl Betaine

### Safety data sheet

Date:  
Jul.3rd, 2025

#### 1. Chemical name and manufacturer information

Chemical name: Lauryl Betaine

Manufacturer: HEBEI JRain TECHNOLOGY CO.,LTD.

No. 66 XIANGTAI ROAD, YUHUA DISTRICT, SHIJIAZHUANG CITY, HEBEI  
PROVINCE, CHINA

Tel.: 0311-80680379

#### 2. Chemical composition information

Chemical composition: alkyl betaine

Scope of application: Industrial

Main chemical components:

component	CAS No	Content (%)
Lauryl Betaine (including sodium chloride)	683-10-3	35.5

#### 3. Hazard information

Personal health effects:

Eyes: may irritate eyes

Skin: no effect on the skin

Inhalation: no hazard has been reported.

#### 4. First aid measures:

Inhalation: breathe fresh air

Contact with skin: wash with soapy water

Contact with eyes: wash with plenty of water immediately. If the condition is serious,  
see a doctor

#### 5. Fire fighting measures:

Fire extinguishing materials: foam, carbon dioxide, dry powder and water.

Temperature of combustion and explosion: no

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Substances produced after combustion: the following substances may be produced during combustion: carbon dioxide, carbon monoxide and nitrogen oxides

### 6. Emergency treatment of leakage

Cleaning method: slow adsorption.

Measures: if necessary, the overflow (outflow) can be controlled with adsorption gasket or suspender, and the overflow (outflow) can be controlled with granular or loose adsorbent. When adsorbed, it shall be swept or collected and properly treated.

### 7. Operation and storage

Operation: there are no special precautions for correct use

Storage: store in a dry place away from flammable areas.

Packaging material: PE plastic barrel

### 8. Exposure control and personal protective measures

Basic protection: avoid contact with eyes.

Special measures: not required under normal conditions.

Hand: PVC gloves

Eyes: wear appropriate protective glasses

### 9. Physical and chemical properties

Appearance: liquid

Color: Brown transparent

Odor: similar to standard

Boiling point: 100 ° C

Specific gravity 25 ° C: 1.05g/ml

Melting point: not involved

Water solubility: soluble in water

Steam pressure: not involved

pH : 5.0-8.0 ( 25°C)

Flash point: not involved

Lower explosive limit: not involved

Upper explosion limit: not involved

### 10. Stability and reactivity

Stability: stable

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Harmful reaction: no

Hazardous decomposition products: none under proper storage and operation

### 11. toxicological information

Acute toxicity (white rats): LD50 > 5000 mg / kg

Eyes: strong irritation to eyes

Skin: slightly irritating to the skin

### 12. Ecological information

Mobility: it will be adsorbed by soil

Toxicity to fish

LC50 : 6.7mg/l

Bacterial toxicity

EC0 Dose: >10g/l

### 13. Waste disposal

Product: mixed with combustibles and burned under control in accordance with local and national laws, regulations and provisions

Waste method: waste according to local and national laws and regulations.

### 14. Transportation information

Road / Rail: Unlimited

Inland water transportation: Unlimited

Shipping: Unlimited

Air transportation: Unlimited

### 15. Regulatory information

The following regulations, regulations and standards have made corresponding provisions on the safe use, storage, transportation, loading and unloading, classification and marking of chemicals.

Environmental protection law of the people's Republic of China

Regulations on the safety management of hazardous chemicals (issued by the State Council on January 26, 2002)

Detailed rules for the implementation of regulations on the safety management of dangerous chemicals (HLF [1992] No. 677)

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Regulations on the safe use of chemicals in the workplace ([1996] LBF No. 423)

Classification and marking of common hazardous chemicals (GB 13690 - 1992)

General rules for storage of common dangerous chemicals (GB 15603 - 1995)

### **16. Other information**

The above information has been confirmed by the source and is correct and reliable as far as we know. However, we are not responsible for the use performance, results and possible damages of the products or information. Therefore, the buyer must check the use and performance of the product. The buyer shall be fully responsible for the use of the products. The exemption applies to infringement of trademarks, patents or other rights owned or held by third parties due to production, formula use or sales in the buyer's factory.

**HEBEI JRAIN TECHNOLOGY CO.,LTD.**