


<b>Material Safety Data Sheet</b>		
Dodecyl dimethyl betaine		
Version:2.0	Revision date: May 1, 2021	
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## 1. Chemical Product and Company Identification

**Product name:** Dodecyl dimethyl betaine

**CAS No.:** 683-10-3

**Chemical structure:**  $\text{RCH}_2\text{N}^+(\text{CH}_3)_2\text{CH}_2\text{COO}^-$

**Trade name:** Yeser<sup>®</sup> BS-12

**Product application:** Commonly used in detergents, personal care products, and cosmetics.

**Supplier name:** GUANGZHOU YESER CHEMICALS CO., LTD

**Supplier address:** Room 903-05, Building E, Longxi Center, No.18 Qide Road, Guangzhou City, China

**Website:** yeserchem.com **E-mail:** info@yeserchem.com

**Contact number:** +86-20- 86213761 400-0768-668

**Emergency contact number:** +86-20- 86213761

## 2. Hazards Identification

### GHS hazard classification:


Acute toxicity, oral, category 4


Acute toxicity, dermal, category 4

Skin irritation, category 2

Serious eye damage, category 1

### GHS label elements, including precautionary statements

Hazardous components	Dodecyl dimethyl betaine
Pictogram	
Signal word	Danger
Hazard statement	H302: Harmful if swallowed. H312: Harmful in contact with skin. H315: Causes skin irritation. H318: Causes serious eye damage.

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Precautionary statement	<p>P264: Clean skin thoroughly after operation.</p> <p>P270: Do not eat, drink or smoke when using this product.</p> <p>P280: Wear protective gloves / protective clothing / goggles / face shield.</p>
Accident response	<p>P301 + P312 If swallowed by mistake: If you feel unwell, call a detoxification center / doctor.</p> <p>P330: Gargle.</p> <p>P302 + P352: If skin contact: Wash thoroughly with water.</p> <p>P304 + P340: If inhaled: Move the patient to fresh air to rest, and maintain a comfortable breathing posture.</p> <p>P305 + P351 + P338: In case of contact with eyes, rinse slowly and gently with water for several minutes. If you are wearing contact lenses and can easily be removed, remove the contact lenses and continue to rinse.</p> <p>P332 + P313: If skin irritation occurs; seek medical advice / attention.</p> <p>P310: Call the poison control center or seek medical treatment immediately.</p> <p>P321: Specific disposal (see first aid instructions provided on this label).</p> <p>P362 + P364: Take off contaminated clothing and wash it before reuse.</p>
Storage	None
Disposal	P501: Dispose of contents / container in accordance with local regulations.

**Physical and chemical hazards:**

No data available

**Health hazards:** Harmful if swallowed. Harmful in contact with skin. Causes skin irritation.


Causes serious eye damage.

**Environmental hazards:**

No data available

**3. Composition/Information on Ingredients**

Component	CAS NO.	Percentage %
Water	7732-18-5	60.0~64.0
Lauryl Betaine	683-10-3	28.0~32.0

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Sodium chloride	7647-14-5	≤8.0
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#### 4. First aid Measures

**General advice:** Show this safety data sheet to the doctor in attendance.

**Inhalation:** If inhaled, move the patient to fresh air.

**Skin contact:** Take off your contaminated clothing and shoes immediately. Rinse with soap and plenty of water. Consult a doctor.

**Eye contact:** Immediately rinse with plenty of running water for a prolonged period (at least 15 minutes). consult a doctor.

**Ingestion:** Do not induce vomiting. Never give anything to the unconscious person through the mouth. Rinse with water. Consult a doctor.

#### 5. Fire-fighting Measures

##### Extinguishing media

Extinguish with water spray, dry powder or carbon dioxide

##### Special hazards of this substance or mixture

Special hazards during firefighting: Formed during combustion: carbon oxides, nitrogen oxides.

##### Advice for firefighters

If necessary, wear a self-contained breathing apparatus to fight the fire.

##### Further information

No data available

#### 6. Accidental Release Measures

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

Use personal protective equipment. Avoid dust formation. Avoid breathing steam, fumes or gases.

Ensure adequate ventilation. Personnel are evacuated to a safe area. Avoid breathing dust.

##### Methods and materials for containment and disposal of spilled chemicals

Do not generate dust when collecting and disposing. Sweep off and shovel off. Place in a suitable closed container for disposal.

#### 7. Handling and storage


##### Safety operation precautions

Operation and disposal should be carried out in places with local ventilation or full ventilation facilities. Avoid contact with skin and eyes. Avoid breathing steam.

##### Storage conditions

Store in a cool place. Keep the container closed and store in a dry, well-ventilated place.

##### Specific use

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No data available

## 8. Exposure controls/personal protection

### Engineering control

It is recommended to separate the work place from other places.

Closed operation to prevent leakage.

Strengthen ventilation.

### Exposure control

Proper technical control: Operate according to good industrial hygiene and safety regulations.


Wash your hands before breaks and at the end of work.

### Personal protective equipment

Respiratory protection	When the concentration in the air exceeds the standard, wear a filtering gas mask (half mask). During emergency rescue or evacuation, a breathing apparatus should be worn.
Hand protection	Wear rubber oil resistant gloves.
Body protection	A full set of anti-chemical reagent work clothes, the type of protective equipment must be selected according to the concentration and quantity of dangerous substances in the specific workplace.
Eye protection	Wear chemical safety glasses.
Skin and body protection	Wear anti-poison penetration work clothes.

## 9. Physical and chemical properties

Appearance and traits	Status: Transparent liquid Color: light yellow
Odor	Characteristic odor
Odor threshold	No data available
pH	6.0~8.0
Boiling point / boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available

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High/low flammability or explosive limit	No data available
Vapor pressure	No data available
Vapor density	No data available
Density / relative density	No data available
Water soluble	Dissolved in water
Octanol/water partition coefficient	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

#### 10. Stability and reactivity

**Stability:** This product is stable when stored and used at normal ambient temperature.

**Dangerous reaction:** No data available

**Conditions to avoid:** No data available

**Incompatible materials:** Strong oxidant, strong acid, strong base.

**Dangerous decomposition products:** No data available

#### 11. Toxicological information

**Acute toxicity:** No data available

**Sensitization:** No data available

**Repeated medication toxicity:** No data available

**Carcinogenicity:** No data available

**Reproductive toxicity:** No data available

#### 12. Ecological information

##### Ecotoxicity

No data available

##### Persistence and degradability

No data available

##### Potential bioaccumulation

No data available


##### Mobility in soil

No data available

##### Evaluation of results of PBT and vPvB

No data available

##### Other environmental harmful effects

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Very toxic to aquatic life.

### 13. Disposal considerations

#### Product disposal

Deliver the remaining and non-recyclable solutions to a licensed company.

#### Contaminated containers and packaging

Dispose of as unused product.

### 14. Transport information

**Ground transportation:** Not classified as dangerous good under transport regulations.

**Shipping IMDG:** Not classified as dangerous good under transport regulations.

**Air transport IATA DGR:** Not classified as dangerous good under transport regulations.

### 15. Regulatory Information

**Please note that waste disposal should also meet local regulations.**

### 16. Other Information

#### The full text of the H-statements mentioned in sections 2.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H318 Causes serious eye damage.

#### The full text of the P-statements mentioned in sections 2.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection.

P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. If you wear contact lenses and can easily remove them, take out the contact lenses. Continue to rinse.


P337 + P313 If eye irritation persists: Get medical attention.

P501 Dispose of contents / container in accordance with local regulations.

#### Writing and revising information

**Date originally compiled:** May 19, 2018

**Date of last revision:** May 1, 2021

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END OF DATA SHEET