


Material Safety Data Sheet		
Hydroxyethyl urea		
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1. Chemical Product and Company Identification

INCI name: Hydroxyethyl Urea

CAS No.: 1320-51-0 / 2078-71-9

Chemical structure: C₃H₈N₂O₂

Trade name: Yeser[®] HU-1

Product application: Widely used as a moisturizer and humectant in various hair and skin care products, such as shampoo, body lotion, and facial cleanser.

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

Emergency overview: If inhaled, remove patient to fresh air. If you stop breathing, give artificial respiration. Rinse with soap and plenty of water. Rinse eyes with water as a precaution. Never feed an unconscious person anything. Rinse mouth with water.

GHS Hazard Category: Not a hazardous substance or mixture according to GHS regulations.

GHS label elements, including precautionary statements: Not a hazardous substance or mixture according to GHS regulations.

physical and chemical hazards: Based on currently available information, there are no physical or chemical hazards.


Health hazard: Based on currently available information, there are no health hazard.

Environmental hazards: Based on currently available information, there is no environmental hazard

Other hazards: None.

3. Composition/Information on Ingredients

Component	CAS NO.	Percentage %
Hydroxyethyl urea	2078-71-9	45.0~55.0
Water	7732-18-5	45.0~55.0

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4. First aid Measures

Description of the necessary first aid measures

Inhalation: If inhaled, move the patient to fresh air. If breathing stops, perform artificial respiration.

Skin: Rinse with soap and plenty of water.

Eyes: Rinse eyes with water.

Ingestion: Do not feed the unconscious. Rinse the mouth with water.

5. Fire-fighting Measures

Extinguishing Media: Extinguish with water spray, alcohol-resistant foam, dry powder or carbon dioxide.

Advice for Firefighters: If necessary, wear a self-contained breathing apparatus for firefighting

6. Accidental Release Measures

Personnel protective measures, protective equipment and emergency disposal procedures

Avoid dust generation.

Avoid breathing vapors, aerosols or gases.

For personal protection, please see section 8.

Environmental Protection Measures

Don't let the product go down the drain.

Reception, removal methods and disposal materials used for leaking chemicals

Sweep off and shovel. Place in a suitable closed container to be processed.

7. Handling and storage

Handling: Provide suitable exhaust equipment in areas where dust is generated.

Storage Conditions: Keep the container airtight and store in a dry, cool and ventilated place.

8. Exposure controls/personal protection

Occupational exposure limits

Hazard composition and occupational exposure limits: No known national exposure limits.

Exposure Control


Proper technical control: Conventional industrial hygiene.

Personal protective equipment

Eye and Face Protection: Please use equipment eye protection tested and approved by official standards such as NIOSH (USA) or EN 166 (EU).

Skin Protection: The selected protective gloves must comply with the EU regulation 89/686/EEC and the EN376 standard derived from it.

Respiratory protection: Not required.

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Environmental Exposure Control: Do not allow the product to go down the drain.

9. Physical and chemical properties

Appearance: Colorless to light yellow transparent liquid

Odor: Characteristic odor

pH value : 6.0~8.5

Color (Hazen): ≤50

Solid content (%): 45.0~55.0

Water solubility: Easily soluble

10. Stability and reactivity

Stability: This product is stable during storage and use at normal ambient temperature.

Hazardous reactions: No data available

Conditions to be avoided: No data available

prohibited substance: Strong oxidizer

Hazardous decomposition products

In case of fire, it will decompose and produce harmful substances: Carbon oxides, nitrogen oxides.

11. Toxicological information

Acute toxicity

Oral: No data available

Through the skin: No data available

Inhalation: No data available

Skin irritation or corrosion: No data available

Eye irritation or corrosion: No data available

Respiratory allergy: No data available

Germ cell mutation: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available

Other: No data available

12. Ecological information

Persistence and degradability: No data available


Mobility in soil: No data available

Potential bioaccumulation: No data available

Other adverse effects: No data available

Environmental Assessment: No data available

13. Disposal considerations

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Waste disposal methods

Product: Handled in accordance with relevant national or local laws and regulations.

Contaminated packaging: handled in accordance with relevant national or local laws and regulations.

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

Applicable Laws: Provisions of the Regulations for the Safe Handling of Chemicals in the Workplace, particularly those relating to the safe use, production, storage and transportation of dangerous chemicals.

Chemical Inventories:

AICS: All ingredients listed or exempt.

DSL: All chemical substances in this material are included on or exempted from the DSL.

MITI: All components are listed on ENCS or its exempt rule.

KECL: All ingredients listed, exempt or notified.

EINECS: All ingredients listed or exempt.

TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.


16. Other Information

Writing and revising information

Date originally compiled: August 15, 2018

Date of first revision: March 5, 2022

IMPORTANT: while the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by our company hereunder are given gratis and we assume no obligation or liability for the description,

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designs, data and information given or results obtained, all such being given and accepted at your risk.

END OF DATA SHEET