

# Material Safety Data Sheet

## Hydroxyethyl urea

### 1. Chemical Product and Company Identification

**INCI name:** Hydroxyethyl Urea

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

**Chemical structure:**  $C_3H_8N_2O_2$

**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:** ASES CHEMICAL WORKS

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### 2. Hazards Identification

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

**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.

**Physical and Chemical hazards:** Based on currently available information, there are no physical 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

### 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

### 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 carbondioxide.

**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.

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### 7. Handling and storage

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**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.

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### 8. Exposure controls/personal protection

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

**Proper technical control:** Conventional industrial hygiene.

**Eye and Face Protection:** Please use equipment eye protection tested and approved by official standards.

**Skin Protection:** The selected protective gloves must comply with the EU regulation

**Respiratory protection:** Not required.

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

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### 9. Physical and chemical properties

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**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

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### 10. Stability and reactivity

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**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.

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### 11. Toxicological information

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**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

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### 12. Ecological information

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**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

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### 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.

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### 14. Transport information

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**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.

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### 15. Regulatory Information

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**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.

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### 16. Other Information

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#### Disclaimer & Caution -

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and ASES CHEMICAL WORKS assume no liability resulting from its use.