


Material Safety Data Sheet		
Polyquaternium-7		
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1. Chemical Product and Company Identification

INCI name: Polyquaternium-7

CAS No.: 26590-05-6

Chemical structure: $(C_8H_{16}ClN)_n(C_3H_5NO)_m$

Trade name: Yeser® PQ-7

Product application: Mainly used as a conditioning agent in hair & skin care products

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

Overall Hazard Classification: Not hazardous.

Hazard Information: Not hazardous.

Route of Exposure: Avoid contact with eyes.

Possible Health Effects:

Acute

Eyes: Mild irritation

Skin: Mild irritation

Inhalation: Not a hazard under normal handling conditions.

Ingestion: It may cause itching or inflammation.

Chronic

Skin: Repeated or prolonged exposure may cause irritation.


Inhalation: No know applicable information.

Ingestion: Repeated ingestion or swallowing large amounts may injure internally.

3. Composition/Information on Ingredients

Component	CAS NO.	Percentage %
Water	7732-18-5	89.5~91.0
Polyquaternium-7	26590-05-6	9.0~10.5

4. First aid Measures

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Eyes: Immediately flush eyes with plenty of water for 15 minutes. If irritation develops, consult a physician.

Skin: Remove contaminated clothing. Wash the affected area with plenty of soap and water. If irritation develops, consult a physician.

Inhalation: Remove to fresh air. If cough develops, see a physician.

Ingestion: If gastrointestinal discomfort develops, consult a physician.

Comments: Treat according to person's condition and specifics of exposure.

Note to physicians: Treat symptomatically.

5. Fire-fighting Measures

Autoignition: Not available.

Flash point: Not available.

Extinguishing Media: CO₂, Foam, Water Fog, dry powder.

Special Fire Fighting Procedures: Firefighters should use self-contained breathing apparatus.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, oxide nitrogen.

Lower Explosion Limit: Not applicable.

Upper Explosion Limit: Not applicable.

Flammability Hazard Class: Not applicable.

6. Accidental Release Measures

Personal Precaution: Avoid eyes/face contact. Avoid skin contact long time. Do not take internally.

Spill and Leak Procedures: Collect just by common tool. Clean up residual material by washing area with water. Collect washings for disposal.

7. Handling and storage

Handling: Avoid direct or prolonged contact with eyes.

Storage Conditions: Avoid storage conditions such as high temperature, moisture and open lid, so as to avoid the volatilization of raw materials and the formation of insoluble gels.

Unsuitable Packaging Materials: None established.

8. Exposure controls/personal protection

Engineering control:


Local Ventilation: Recommended.

General Ventilation: Recommended.

Personal Protective Equipment for Routine Handling Respiratory protection:

Wear NIOSH respirator.

Eye protection: Wear mono-goggles.

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Hand protection: The use of chemically resistant gloves is recommended.

Clothing Requirements: Uniforms, coveralls, or a lab coat should be worn.

9. Physical and chemical properties

Appearance: Colorless to light yellow transparent sticky liquid

pH value (10% aqueous solution, 25°C): 5.5~7.5

Solid content (%): 9.0~10.5

Viscosity (mPa•s, 25°C): 8000~16000

Residual acrylamide (mg/kg): ≤5.0

10. Stability and reactivity

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

Stability Detail: Stable under normal temperature and pressure. Conditions To Be Avoided: heat, open flame, spark. Materials/Chemicals To Be Avoided: strong acids, strong oxidizing agents.

Reactivity Hazard Class: Minimal hazardous polymerization.

11. Toxicological information

Possible Health Effects: Refer to Section 2.

Carcinogenic Effects: None.

Other Health Hazard Information: None.

12. Ecological information

Potential To Bio-accumulate: Unknown.

Aquatic Toxicity: None Established.

13. Disposal considerations

Product Disposal: Dispose of in accordance with local regulations.

Packaging Disposal: Dispose of in accordance with local regulations.

14. Transport information

Road and Rail Transport: Not assessed.


Sea Transport (IMDG): Not subject to IMDG code.

Air Transport (ICAO): Not subject to ICAO 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:

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AICS: All ingredients listed or exempt.

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

IECSC: All ingredients listed or exempt.

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

KECL: All ingredients listed, exempt or notified.

EINECS: All ingredients listed or exempt.

PICCS: 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 18, 2017

Date of first revision: September 12, 2020

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

END OF DATA SHEET