


Material Safety Data Sheet		
PEG-120 Methyl Glucose Dioleate		
Version:2.0	Revision date: May 1, 2021	
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1. Chemical Product and Company Identification

INCI Name: PEG-120 Methyl Glucose Dioleate

CAS No.: 86893-19-8

Chemical structure: $(C_2H_4O)_n(C_2H_4O)_nC_{43}H_{78}O$

Trade name: Yeser® DOE120

Product application: Widely used in the preparation of foam facial cleanser, foam shaving cream, hand washing cream (liquid), and shampoo.

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: Skin Contact and Accidental Ingestion.

Possible Health Effects:

Acute

Eyes: Irritant. Can cause redness, irritation, tearing.

Skin: No irritating.

Inhalation: No probability of inhalation through breath system.

Ingestion: Practically non-toxic.


Chronic

This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

Signs and Symptoms of Overexposure: No significant adverse effects from a single exposure expected from normal use

3. Composition/Information on Ingredients

Component	CAS NO.	Percentage %
PEG-120 Methyl Glucose Dioleate	86893-19-8	100

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4. First aid Measures

Eyes: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes.

Seek medical attention.

Skin: In case of contact, immediately wash with plenty of soap and water for at least 5 minutes.

Seek medical attention if still feeling irritating.

Inhalation: This product has no probability of inhalation through breath system.

Ingestion: If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.

Comments: Treat symptomatically.

Note to physicians: Treat symptomatically.

5. Fire-fighting Measures

Autoignition: Not available.

Flash point: 299°C

Extinguishing Media: Water, dry chemical, carbon dioxide.

Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

Fire & Explosion Hazards: Product will burn under fire conditions.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, and other unknown hydrocarbons.

Lower Explosion Limit: Not applicable.

Upper Explosion Limit: Not applicable.

Flammability Hazard Class: 1=slight.

6. Accidental Release Measures

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

Environmental Precautions: Do not flush to drain.

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: SHIP AND STORE BETWEEN 10-50°C. Store in tightly closed containers.

Store in an area that is dry, well-ventilated; away from incompatible materials (see Section 10.

Stability and Reactivity), Expected shelf life if stored at recommended temperatures: 12 months.

Unsuitable Packaging Materials: None established.

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8. Exposure controls/personal protection

Engineering Controls:

Local Ventilation: Recommended.

General Ventilation: Recommended.

Personal Protective Equipment for Routine Handling Respiratory protection: When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations. For reasonably foreseeable industrial end uses of this material, respiratory protection should not be necessary.

Eye protection: Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. Eye contact should be prevented through use of chemical safety glasses with side shields or splash proof goggles. An emergency eye wash must be readily accessible to the work area.

Hand protection: Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

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

Change/Removal Of Clothing: Remove contaminated clothing and launder before reuse.

Wash Requirements: Wash exposed areas with soap and water.

9. Physical and chemical properties

Physical Form: Flake solid

Color: White to yellowish

pH (10%aqueous solution): 4.5-7.5

Acid value(mg KOH/g): ≤1.0

Hydroxyl value(mg KOH/g): 14.0-26.0

Saponification value(mg KOH/g): 14.0-26.0

Iodine value(g/100g): 5.0-15.0


10. Stability and reactivity

Stability: Stable.

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

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Possible Health Effects: Refer to Section 2.

Carcinogenic Effects: None.

Other Health Hazard Information: None.

12. Ecological information

Potential To Bio-accumulate: None Established.

Aquatic Toxicity: None Established.

13. Disposal considerations

Product Disposal: Dispose of in accordance with local regulations.

Packaging Disposal: Any containers or equipment used should be decontaminated immediately after use.

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:

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: May 1, 2021

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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