

SAFETY DATA SHEETS

According to Globally Harmonized System of Classification and Labelling of Chemicals (GHS) - Sixth revised edition

Version: 1.0

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SECTION 1. Identification of the substance

Product identifiers

Product name: POLYOXYETHYLENE (20) SORBITAN TRISTEARATE (POLYSORBATE 65)

CAS-No.: 9005-71-4

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances

Details of the supplier of the safety data sheet

Company: CHEMLYTE SOLUTIONS CO., LTD

Address: A1-3-830, XiXi Center, No. 588, Wenyi West Road, Hangzhou 310000,
Zhejiang, China

Telephone: +86-(571)-85061365

Fax : +86-(571)-85060165

Emergency telephone number

Emergency Phone # : +1-703-527-3887

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

2.1.1 GHS hazard classification

Physical hazards: None

Health hazards: None

Environmental hazards: None

2.2 Label element

Hazard pictogram: None

Hazard statements: None

Signal word: None

2.3 Precaution statements

Prevention: Keep away from heat and fire

Response: Not applicable

Storage: Store in dry, cool and well-ventilated place. Keep container tightly closed

Disposal: Disposal should be in accordance with applicable regional, national and local laws and regulations

Section 3: Composition and Information on Ingredients

3.1 Substance or mixture: Substance

3.2 Composition

Chemical name	CAS number	EC number	% by weight
POLYOXYETHYLENE (20) SORBITAN TRISTEARATE (POLYSORBATE 65)	9005-71-4	/	~100

Section 4: First Aid Measures

4.1 First aid measures for different exposure routes

Inhalation: Move to fresh air. If symptoms persist, call a physician

Skin contact: Remove contaminated clothing. Rinse with plenty of water and soap

Eye contact: Rinse immediately with plenty of water, for at least 15 minutes. Get medical attention immediately if irritation persists

Ingestion: Drink plenty water to dilute. Get medical attention immediately if symptoms occur

4.2 Most important symptoms and effects

None under normal use conditions

4.3 Protection for emergency personnel

Emergency personnel should be informed about the substance

4.4 Notes to physician

Physician should be informed about the substance and treat symptomatically

Section 5: Fire and Explosion Data

5.1 Extinguishing media

Suitable extinguishing media: Substance is high temperature flammable. Use water, carbon dioxide, foam, dry powder

Unsuitable extinguishing media: Unknown

5.2 Specific hazards arising from the chemical

May ignite by sparks, heat flames. Carbon dioxide and carbon dioxide may be released by fire

5.3 Special protective actions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Section 6: Accidental Release Measures

6.1 Personal precautions

Comply with good personal hygiene habits. Advice for non-emergency personnel: do not breathe in steam or aerosol. Evacuate area; follow emergency procedures and seek for expert's advice.

Use personal protective equipment recommended in Section 8

6.2 Environmental precautions

Untreated chemicals are strictly prohibited to be discharged into the environment

6.3 Methods for containment and clean up

Contain spillage, and then collect with non-combustible absorbent materials, (e.g. sand, dry lime, soda ash) and place in container for disposal according to local/ national regulations. It can also be diluted with a large amount of water before release into the waste water system. For large spill, use dike to contain and then collect, transfer, recycle or discard after treatment

6.4 Preventive measures against secondary hazards

Immediate clean-up of the spillage

Section 7: Handling and Storage

7.1 Handling

Technical measures: Use in well-ventilated place. Wear personal protective equipment. Wash hands after working with substance

Local or general ventilation: Provide adequate ventilation

Precautionary measures: Avoid breathing excessive vapors/gas/fume. Do not get in eyes or contact with skin.

Safe operation statements: Avoid contact with eyes and skin. Use personal protection recommended by SDS Section 8.

7.2 Storage

Technical measures: No special storage requirements

Safe storage conditions: Keep containers tightly closed in a dry, cool and well -ventilated place.

Keep away from kindling material, heat source and direct sun light

Incompatible substances: Oxidizing agent

Safe packaging: material Unknown

Section 8: Exposure Controls/Personal Protection

8.1 Exposure guidelines

Exposure limits: Unknown

Engineering controls: Closed production area; the use of local exhaust ventilation is recommended to control emissions near the source. Ensure there is eye wash station and emergency shower station nearby.

8.2 Personal protective equipment

Respiratory protection: Non-powered air-purifying respirators (full face mask) or self-contained respirator must be worn when exposed to vapor.

Hand protection: Wear appropriate protective gloves

Eye protection: Wear safety goggles

Skin and body protection: Wear gloves and protective clothing (non- permeable)

Hygiene measures Smoking, eating and drinking are prohibited at work site.

Section 9: Physical and Chemical Properties

9.1 General information

Physical state: Liquid to soft solid

Shape: Unknown

Color: Light yellow

Odor: Characteristic odor

pH: Unknown

Melting point: Unknown

Boiling point / range: Unknown

Flash point: >120°C (Closed cup)

Flammability: Unknown

Upper flammability limit (%): Unknown

Lower flammability limit (%): Unknown

Upper explosion limit (%): Unknown

Lower explosion limit (%): Unknown

Vapor pressure: <1.33hPa

Vapor density: Unknown

Relative density: Unknown

Density: Unknown

Solubility: Soluble in ethanol and ethyl acetate. Slightly soluble in mineral oil and vegetable oil.

Can be dispersed in warm water

Partition coefficient; n-octanol/water: Unknown

Decomposition temperature: Unknown

Molecular Formula: C₁₀₀H₁₉₄O₂₈

Molecular weight: 1842g/mol

9.2 Other information

Solubility (other): Unknown

Odor threshold: Unknown

Evaporation rate: Unknown

Inflammability (solid, gas): Unknown

Viscosity: Unknown

Section 10: Stability and Reactivity Data

10.1 Stability

Stable under normal conditions

10.2 Possibility of hazardous reactions

None under normal processing

10.3 Conditions to avoid

Avoid incompatible materials and excessive heating

10.4 Incompatible materials

Strong oxidant and strong base

10.5 Hazardous decomposition products

Unknown

Section 11: Toxicological Information

Acute toxicity

Oral: no data available

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation

no data available

Serious eye damage/irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT-single exposure

no data available

STOT-repeated exposure

no data available

Aspiration hazard

no data available

Section 12: Ecological Information

12.1 Ecotoxicity

Fish: Unknown

Water flea Algae: Unknown

12.2 Persistence and degradability: Unknown

12.3 Bioaccumulation/ accumulation: Unknown

12.4 Mobility in soil: Unknown

12.5 Other adverse effects: Unknown

Section 13: Disposal Considerations

13.1 Waste from Residues / Unused Products

Disposal should be in accordance with applicable regional, national and local laws and regulations. Empty containers or gasket material may have residues; these material and containers must be disposed in a safemanner.

13.2 Contaminated packaging

Empty containers should be sent to approved waste disposal sites for regeneration or disposal. Empty containers may have residues, pay attention to label warnings even for empty containers.

13.3 Local Hazardous Waste Codes

Recycle or send it to a special waste disposal site in a sealed container. Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14: Transport Information

14.1 UN Number

ADR/RID: Not dangerous goods. (For reference only, please check.)

IMDG: Not dangerous goods. (For reference only, please check.)

IATA: Not dangerous goods. (For reference only, please check.)

14.2 UN Proper Shipping Name

ADR/RID: Not dangerous goods. (For reference only, please check.)

IMDG: Not dangerous goods. (For reference only, please check.)

IATA: Not dangerous goods. (For reference only, please check.)

14.3 Transport hazard class(es)

ADR/RID: Not dangerous goods. (For reference only, please check.)

IMDG: Not dangerous goods. (For reference only, please check.)

IATA: Not dangerous goods. (For reference only, please check.)

14.4 Packing group, if applicable

ADR/RID: Not dangerous goods. (For reference only, please check.)

IMDG: Not dangerous goods. (For reference only, please check.)

IATA: Not dangerous goods. (For reference only, please check.)

14.5 Environmental hazards

ADR/RID: No

IMDG: No

IATA: No

14.6 Special precautions for user

no data available

14.7 Transport in bulk according to IMO instruments

no data available

Section 15: Other Regulatory Information

15.1 Safety, health and environmental regulations specific for the product in question

Chemical name	Common names and synonyms	CAS number	EC number
POLYOXYETHYLENE (20) SORBITAN TRISTEARATE (POLYSORBATE 65)	POLYOXYETHYLENE (20) SORBITAN TRISTEARATE (POLYSORBATE 65)	9005-71-4	618-424-5
European Inventory of Existing Commercial Chemical Substances (EINECS)			Not Listed.
EC Inventory			Not Listed.
United States Toxic Substances Control Act (TSCA) Inventory			Listed.
China Catalog of Hazardous chemicals 2015			Not Listed.
New Zealand Inventory of Chemicals (NZIoC)			Listed.
Philippines Inventory of Chemicals and Chemical Substances (PICCS)			Listed.
Vietnam National Chemical Inventory			Not Listed.
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)			Listed.
Korea Existing Chemicals List (KECL)			Listed.

15.2 Notes for downstream uses

Disposal of this product and container should comply with relevant regulations

SECTION 16: Other information

Further information

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