

# MATERIAL SAFETY DATA SHEET

## 1. Chemicals and Corporate Identification

**Product Name:** Tristyrylphenol polyoxyethylene ether (TSP-16)

**Company:** Wuxi Hazzchem International Trade Co., Ltd.

**Address:** Luda Road, Loshe Town, Huishan District, Wuxi, China

**Zip Code:** 214185

**Emergency Phone:** (+86)18005180339

## 2. Hazards Identification

### 2.1 Classification of Substances or Mixtures

According to the Global Harmonized System of Classification of Chemicals (GHS Classification)

Harmful to swallowing (Chapter 3.2), H302

Causes skin irritation (Chapter 3.2), H315

Causes severe ocular irritation (Chapter 3.3), H319

Exhibits extremely high toxicity to aquatic organisms (Chapter 4.1), H400

### 2.2 GHS labeling elements:

tab :



Warning: Warning

Risk Statement:

H302 is harmful when ingested.

H315 causes skin irritation.

H319 causes severe eye irritation.

H400 is highly harmful to aquatic organisms.

Protection Statement:

After P264 treatment, thoroughly cleanse the skin.

P270 Do not eat, drink, or smoke while using this product.

P273 Avoid release into the environment.

P280 Wear goggles/ facial protection device.

P280 Put on protective gloves.

Protection Statement:

P301 + P312 + P330: In case of accidental ingestion, rinse the mouth immediately. If discomfort occurs, seek medical advice promptly.

After contact with P302+P352 on skin: Rinse thoroughly with plenty of soap and water.

P305+P351+P338: If entering the eyes: Rinse thoroughly with water for several minutes, remove the contact lens, and continue rinsing if possible.

P332+P313: In case of skin irritation: Seek medical attention.

P337+P313: If eye irritation persists, seek medical attention.

P362 Remove contaminated clothing, wash it, and then use.

P391 Collect the spillage.

P501 Send the collected materials/containers to an approved waste treatment facility.

**2.3 Unclassified hazards not covered by GHS – None****3. Composition/Information on Ingredients**

**Composition :** Tristyrylphenol polyoxyethylene ether

**CAS# :** 99734-09-5

**Active ingredients content:**  $\geq 99.5\%$  ;

**4. First aid measures**

**Eye contact:** In case of contact, flush eyes with plenty of water or saline water. Get medical attention

**Skin contact:** In case of skin contact, Immediately remove contaminated clothing and shoes. wash affected areas with soap and water for 15 min.

**Ingestion:** If ingested, drink plenty of warm water, vomit. Get medical attention.

**Inhalation:** If inhaled, remove to fresh air. Get medical attention.

**5. Fire safety measures**

**Suitable extinguishing media:** H<sub>2</sub>O, Water fog, Foam, Dry powder, Carbon dioxide (CO<sub>2</sub>), sand

**Combustion products hazard:** Harmful Combustion products contains CO, CO<sub>2</sub>, NO<sub>x</sub>

**Special Fire Fighting Procedures:** Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.

**6. Leakage emergency response****Personal precaution:**

Isolate spill area, Use appropriate personal protective equipment during clean up. Evacuate and keep unnecessary people out of spill area.

**Environmental protect:**

Avoid run-off into ground, storm sewers, water

**Spill and leak out operation:**

In case of spills or release: Use appropriate personal protective equipment measures during clean-up. For small spills, use a solid absorbent and place in disposal container. For large spills, dike the area to facilitate salvage or disposal. Avoid run-off into storm sewers.

**7. Handling and storage**

**Handling:** To comply with the conventional chemicals precautions

**storage:** Material is hygroscopic, keep container closed and dry when not in use. Avoid isocyanates and acid, Avoid insolation and rain

**Container material:** zinc coating iron drum, plastic tank

**Storage temperature:** atmospheric temperature

**Storage period:** within 12 Months

**8. Exposere controls/Personal protection**

**High concentration limit:** not stated

Engineering Controls: Sealing operation is needed, Local exhaust ventilation is necessary

**Personal Protective Equipment****Eye protection**

Chemical safety goggles or safety glasses with side-shields.

**Hand protection**

Permeation resistant gloves.

**Skin and body protection**

None required under normal conditions of use.

#### **Additional Protective Measures**

Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product.

### **9. Physical and chemical properties**

**Appearance:** Pale yellow semi-solid

**pH Value:** 5-7

**Water content:** ≤0.5%

**Cloud Point (0.5% aq.):** 60-65

### **10. Stability and reactivity**

**Stability:** Stable

**Conditions to avoid:** Avoid Direct light, heat, flames, sparks and other sources of ignition. Fire-fighting facilities is necessary

**Materials to avoid:** Oxidizing agents, Isocyanates, acid

#### **Hazardous decomposition products**

No hazardous decomposition under normal operation.

### **11. Toxicological information**

**Acute toxicity:** No Data

**Skin irritation:** No Data

**Eye irritation:** No Data

**Inhalation hazard:** Normally unharmed, Low steam pressure under atmospheric temperature

**Carcinogenicity:** No Data

**KOREA .KOSHA :** unstated

**US. OSHA :** Unstated

**US. NTP :** Unstated

**US. IARC :** Unstated

**US.ACGIH :** Unstated

**Mutagenicity:** No relevant information found

**Long term contact effect:** No harmful effect detected after long time contact

### **12. Ecology Information**

Avoid run-off into ground, storm sewers, water

### **13. Disposal considerations**

**Waste Disposal Method:** Waste disposal should be in accordance with existing federal, state and local environmental control laws.

**Note:** Recondition or dispose of empty container in accordance with governmental regulations.

### **14. Transport information**

**UN No.:** Not specified

**Packaging marking:** Not required

**Packaging methods:** Packaging with zinc coating iron drum, plastic tank

**Note:** Containers should be complete, sealed while transport, ensure the containers do not leak, fall, or be damaged. Oxidant, acid, food mixed transport is prohibited. Transport carriers must be thoroughly cleaned, disinfected after transport. Goods location should be away from the bedroom, kitchen, and isolated from the cabin, power supply, the source of fire and other parts on the ship.

## 15. Regulatory information

The safe use, storage, transportation, loading and unloading, classification and mark of the chemicals was be provisions in the following laws and regulations and standard:

Safety rules for classification, precautionary labeling and precautionary statements of chemicals - (GB/T20576-2006 ~ GB/T20602-2006);

General rule for classification and hazard communication of chemicals- (GB/T13690-2009);

Classification and labels of dangerous chemical substances commonly used-(GB/T13690-2009)

Classification and code of dangerous goods -- (GB/T-6944-2005)

Safety data sheet for chemical products content and order of sections -(GB/T 16483-2008)

This product is a polymer according to the definition in Directive 92/32/EEC (7th Amendment to Directive 76/548/EEC) and all of its

starting materials and intentional additive are in the European Inventory of Existing Commercial Chemical Substances (EINECS) or in compliance with European (EU) chemical inventory requirements. In the meantime, all components in this product are not classified

as Hazardous Chemicals according to the following chemical substances list.

TSCA (Toxic Substances Control Act Inventory of Chemical Substances)

EINECS/ELINCS (European Inventory of Existing Commercial Chemical Substances)

AICS (Australian Inventory of Chemical Substances)

IECSC (Chinese Existing Chemical Substances)

US.Toxic Substances Control Act

KECL (Korean Toxic Chemical Control Law)

## 16. Other Sections

**Version Date:** 2023.3.1

**Version No.:** 1.0/EN

**Guidance departments:** Production run Department

**Data audit department:** Technology Center

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