

# Material Safety Data Sheet

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Date of first issue: 05/20/2014  
 Revision Date: 02/01/2015  
 Version: 2.0

## XHG-248 Polyether-modified trisiloxane

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### 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

**Product name:** XHG-248 Polyether-modified trisiloxane

**Company details:**

Manufacturer/Supplier: Zhejiang Xinan Chemical Industry Group Co.Ltd.  
 Address: Jiande, Zhejiang, China 311600  
 Emergence telephone number: (86)571-64796390

**Recommended use and limited use:** Surfactant  
 Agricultural adjuvant  
 Coat and ink additive

### 2. HAZARDS IDENTIFICATION

**Health hazards:** May be harmful if swallowed. May be harmful in contact with skin. Harmful by inhalation. Mild irritation to eyes.

**GHS Classification:** Not a hazardous substance or mixture.

**GHS Label element:** Not a hazardous substance or mixture

**Hazard Statements:** Harmful if inhaled. Causes mild eye irritation.

**Precautionary Statements:**

**Prevention:** Use only outdoors or in a well-ventilated area. Avoid breathing dust, fume, gas, mist, vapors and spray. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

**Response:** If inhalation: Remove person to fresh air and keep comfortable for breathing. if required, call a poison center/doctor.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture Component:	Mixture CAS No.	% (w/w)
3-(Polyoxyethylene)propylheptamethyl	67674-67-3	80-90

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trisiloxane  
 Allyloxypolyethyleneglycol                      27274-31-3                      10-20

#### 4. FIRST AID MEASURES

**General advice:** When symptoms persist or in all cases of doubt seek medical advice.

**Inhalation:** Ensure supply of fresh air. In the event of symptoms take medical treatment.

**Skin contact:** Wash off promptly and flush contaminated skin with water.

**Eyes contact** Flush eyes for several minutes or more, if irritation persists, seek medical advice.

**Ingestion:** Seek medical advice immediately.

**Note to physicians:** Treat symptomatically and supportively.

#### 5. FIRE FIGHTING MEASURES

**Hazardous combustion products:** Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

**Extinguishing media:** Alcohol-resistant foam; Carbon dioxide (CO<sub>2</sub>); Water mist.

**Unsuitable extinguishing media:** Water jet

**Special fire fighting** Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

**Fire fighting procedures and equipment:** Self-contained breathing apparatus and protective clothing.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Avoid eye contact. Avoid breathing vapor. Keep container closed. Do not take internally.

**Environmental precautions:** Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.

**Methods for cleaning up:** Take up with absorbent material (eg sand, universal binder). Dispose of absorbed material in accordance with the regulations.

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#### **7. HANDLING AND STORAGE**

**Handling precautions:** Use with adequate ventilation. Avoid eye contact. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

**Storage conditions:** Keep container closed and away from heat, sparks, and flame.  
 Store in a well-ventilated place below 40°C.

#### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering measures** Provide eyewash station and safety shower. General room ventilation is expected to be satisfactory if handled at low temperatures or in covered equipment. Provide adequate ventilation if fumes or vapors are generated.

**General protective measures:** Avoid contact with eyes and skin. Do not inhale aerosols.

**Hygiene measures** Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

**Respiratory protection:** Use self-contained breathing apparatus.

**Hand protection:** PVC gloves.

**Eye protection:** Use chemical worker's goggles.

**Skin protection:** Protective clothing.

#### **9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical Form:	Liquid
Color	Yellow
Odor:	Characteristic odor
pH:.	Not determined
Melting point/freezing point;	Not determined
Initial boiling point and boiling range	Not determined
Flash Point:	78°C (Pensky-Martens Closed Cup)
Evaporation rate	Not determined
Flammability (solid, gas);	Not determined
Upper/lower flammability or	Not determined
Explosive limits	

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Vapour pressure	Not determined
Vapour density	Not determined
Specific gravity	1.01g/ml(25°C)
Solubility in water	Dispersable
Partition coefficient (n-octanol/water)	Not determined
Autoignition temperature:	Not determined.
Decomposition temperature	Not determined
Viscosity	25-50cs(25°C)
Explosive properties:	Not determined
Oxidising properties	Not determined
Other physical propties	Not determined

#### **10. TOXICOLOGICAL INFORMATION**

**Route of exposure:** Eye contact, Inhalation, skin contact and accidental ingestion.

**Health hazard information:** No known applicable information.

#### **11. ECOLOGICAL INFORMATION**

**Environmental effects:** No known applicable information.

**Mobility in Soil:** No known applicable information.

**Persistence and degradability** No known applicable information.

**Bioaccumulation:** No known applicable information.

**Ecological notes:** Use best management practices to limit controlled release to waterways.

#### **12. DISPOSAL CONSIDERATIONS**

**Product disposal:** Dispose of in accordance with local regulations.

**Packaging disposal:** If empty containers are recycled or disposed of, the receiver must be informed about possible hazards.

#### **13. TRANSPORT INFORMATION**

**Road and Rail Transport:** Not regulated as a dangerous good

**Sea Transport (IMDG):** Not regulated as a dangerous good

**Air Transport (IATA):** Not regulated as a dangerous good.

#### **14. REGULATORY INFORMATION**

##### **Chemical Inventories:**

Inventory of Existing Chemical Substances of China( **IECSC**): All chemical substances

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in this material are included on or exempted from listing on the IECSC Inventory of Chemical Substances.

Toxic Substances Control Act( **TSCA**): All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

#### **Applicable Laws and Regulation Information for China**

Provisions of the Regulations for the Safe Handling of Chemicals in the Workplace Regulations on Safety Administration of Hazardous Chemicals, Decree No.591 of the State Council.

GB/T 16483: Safety data sheet for chemical products - Content and order of sections

GB 13690-2009: General rule for classification and hazard communication of chemicals

#### **15. OTHER INFORMATION**

##### **Prepared by:**

Zhejiang Xinan Chemical Industry Group Co., Ltd.

This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.