

# ZHEJIANGRUNHEORGANOSILICONENEWMATERIAL CO.,LTD

## Material Safety Data Sheet

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** RH-208  
**Chemical name:** Polyalkyleneoxide Modified Heptamethyltrisiloxane  
**MANUFACTURED BY** ZHEJIANGRUNHEORGANOSILICONENEWMATERIAL CO.,LTD  
**JHUZHOU CITY, ZHEJIANG PROVINCE,CHINA**  
**Emergency telephone number:** +86-572-80222208, **MOBIL:**15988352510 **ALBERT ZHANG**  
**POST CODE:** 313200

### SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS NO.	CONCENTRATION
2-[Hydroxy (polyethyleneoxy) propyl]heptamethyltri	67674-67-3	83.0 %
siloxane Allyloxypolyethyleneglycol	27274-31-3	17.0 %

### SECTION 3 - HAZARDS IDENTIFICATION

#### APPEARANCE

**Physical state** Liquid

**Color** Straw-colored

**Odor** Moderate polyether

#### POTENTIAL HEALTH EFFECTS

##### Swallowing

###### Acute effects

No evidence of harmful effects from available information.

###### Effects of repeated overexposure

Ingestion may cause:

- injury to the liver
- injury to the thyroid
- injury to the kidney

##### Skin absorption

###### Acute effects

No evidence of harmful effects from available information.

###### Effects of repeated overexposure

May cause the following effects:

- skin irritation

##### Inhalation

###### Acute effects

Harmful effects are not expected from static vapor at ambient temperature. Inhalation of an aerosol of the neat

material within a confined space could result in respiratory distress and eye injury.

**Effects of repeated overexposure**

An aerosol of the neat liquid may cause:

- damage to respiratory tract
- injury to the eyes
- injury to the nasal cavity
- injury to the bloodforming system

**Skin contact**

**Acute effects**

Brief contact is not expected to produce irritation.

Prolonged contact may result in:

- minor irritation
- transient local redness
- swelling

**Eye contact**

**Acute effects**

Liquid splashed into the eye causes discomfort.

Causes the following effects:

- pain
- excess blinking
- tear production
- excess redness of the conjunctivae
- swelling of the conjunctivae
- mild corneal injury

**SECTION 4 - FIRST AID MEASURES**

**Swallowing**

No emergency care anticipated..

**Skin**

Wash skin with soap and water.

**Inhalation**

Remove to fresh air if aerosol spray is inhaled. If breathing is difficult, administer oxygen. Obtain medical attention immediately.

**Eye contact**

Immediately flush eyes with water and continue washing for several minutes. Obtain medical attention.

**Notes to physician**

Severe eye irritant. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

**SECTION 5 - FIRE FIGHTING MEASURES**

**Flash point** >118°C (245 F)  
**Autoignition temperture** Not determined.  
**Flammability limits in air** Not determined.  
**Extinguishing media** On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide(CO<sub>2</sub>), dry chemical or water spray. Water can be used

**Fire Fighting Measures**

Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan.

**Unusual fire hazards**

Use water spray to keep fire exposed containers cool.

**Hazardous decomposition products**

Silicon dioxide. Carbon oxides and traces of incompletely burned carbon compounds.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Avoid contact with liquid and vapors: Wear suitable protective equipment.

**Environmental precautions**

Expected to be toxic to aquatic life: Avoid discharge to sewers and natural waters.

**Methods for cleaning up**

Cover with absorbent or contain.

Collect for disposal.

Observe government regulations.

**SECTION 7 - HANDLING AND STORAGE**

**HANDLING****Handling precautions**

Avoid contact with eyes. Do not breathe vapor, mist or aerosol. Use with adequate ventilation. Do not swallow.

Wash thoroughly after handling.

**Other precautions**

Consult the manufacturer before using an aerosol of the neat liquid.

**STORAGE****Storage requirements**

Keep container closed.

**SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

**Component Exposure Limits**                      There are no components with workplace exposure limits.

**Personal Protective Equipment**

**Eyes**    Use proper protection-safety glasses as a minimum.

**Skin**    Washing at mealtime and end of shift is adequate.

**Suitable gloves**                                      No special protection needed.

**Inhalation**    No respiratory protection should be needed.

**Suitable respirator**                                      None should be needed.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Boiling point:**                                      > 150 °C at STP unless specified below. Copolymer

**Melting point:**                                      -8 °C at STP unless specified below. (pour point)

**PH**    Not available

**Specific gravity (H<sub>2</sub>O=1):**                                      1.0200 at 25 °C ( 1,013 hPa)

**Vapor pressure:**                                      < 1.33 hPa (1.00 mmHg)                                      at 20 °C

**Vapor density (air=1) :**                                      Heavier than air

**Solubility in water:**                                      Dispersible

**Evaporation rate:**                                      (Butyl Acetate=1):                                      < 1

**Flash point :**    118 °C (245 °F)

**Method:** Pinsky-Martens closed cup ASTM D 93

**Upper explosion limits:**                                      Not available

**Lower explosion limits:**                                      Not available

**Percent volatiles**                                      Not determined

**Molecular weight**                                      Copolymer

**SECTION 10 - STABILITY AND REACTIVITY**

Stability: Stable

Stability - Conditions to avoid

None known.

Incompatible materials

None currently known.

Hazardous combustion products

Burning can produce the following combustion products:

Oxides of carbon.

Oxides of silicon.

Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant.

Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

Hazardous polymerization: Will not occur.

Hazardous polymerization - Conditions to avoid

None known.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### SWALLOWING

#### Test results

Acute toxicity: LD50 Rats

Result: > 2,000 mg/kg

Remark: no toxicity

### SKIN ABSORPTION

#### Test results

Acute toxicity: LD50

Result: > 4,000 mg/kg

Remark: no toxicity

### SKIN CONTACT

#### Test results

Skin irritation: Species: Rabbit

Result: Mild irritation

Acute toxicity: LD50

Result: > 4,000 mg/kg

Remark: no toxicity

### SKIN CONTACT

#### Test results

Skin irritation: Species: Rabbit

Result: Mild irritation

## SECTION 12 - ECOLOGICAL INFORMATION

All available ecological data have been taken into account for the development of the hazard and precautionary information contained in this Safety Data Sheet.

### AQUATIC TOXICITY

Acute toxicity fish: LC50 Rainbow trout

Result: 4.5 mg/l

Exposure time: 96 h

Acute toxicity fish: NOEC Rainbow trout

Result: 3.2 mg/l

Exposure time: 96 h

Acute toxicity to

aquatic

invertebrates:

EC50 Daphnia magna

Result: 24 mg/l

Exposure time: 48 h

Acute toxicity to

aquatic

invertebrates:

NOEC Daphnia magna

Result: 5.6 mg/l

Exposure time: 48 h

**Ecotoxicological information** No data at this time.

**Chemical fate information** No data at this time

### SECTION 13 - DISPOSAL CONSIDERATIONS

**General: Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations.**

### SECTION 14 - TRANSPORT INFORMATION

**DOT Classification:**

This product is not regulated by DOT.

**Freight description road:** OIL, O/T PETROLEUM, LUBRICATING, NOIBN

**IMDG Classification:** This product is not regulated by IMDG.

### SECTION 15 - REGULATORY INFORMATION

Chemical name	CAS#	New Jersey TS Number
Polyalkyleneoxide Modified Heptamethyltrisiloxane	67674-67-3	
Polyalkylene oxide	27274-31-3	

**EPA Hazard Categories (SARA 311, 312):** Immediate Health Hazard, Delayed Health Hazard

## **SECTION 16 - ADDITIONAL INFORMATION**

### **RECOMMENDED USES AND RESTRICTIONS**

Please consult the product and/or application information bulletins for this product.

### **HMIS RATING**

Health: 2      Flammability: 1      Reactivity: 0      PPI: X

### **LEGEND**

STP Standard temperature and pressure

W/W Weight/Weight

0 (HMIS) Minimal hazard

1 (HMIS) Slight hazard

2 (HMIS) Moderate hazard

3 (HMIS) Serious hazard

4 (HMIS) Severe hazard

X (HMIS) Personal protection rating to be supplied by user depending on use conditions

The opinions expressed herein are those of qualified experts within our company. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of our company, it is the user's obligation to determine the conditions of safe use of the products.