

# Material Safety Data Sheet

According to Regulation (EU) No. 1907/2006 (REACH), Annex II (COMMISSION REGULATION (EU) No 453/2010)

Issue Date 06-Jan-2016

Revision date

06-Jan-2016

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b>	Radiator And Fuel Tank Repair Kit
<b>REACH registration number:</b>	No information available
<b>Product type:</b>	Epoxy Adhesive
<b>Region:</b>	China
<b>Company name:</b>	Huzhou Longtong Chemical Co.,Ltd
<b>Company address:</b>	1-3# No.969 Qingfang Road, Huzhou Zhejiang China.
<b>Post code:</b>	313000
<b>Phone:</b>	0086-572-2109399
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<b>Emergency:</b>	0086-572-2109399

## 2. HAZARDS IDENTIFICATION

**Emergency Overview:** Green and white putty with a slight odor. May cause irritation to the eye and skin. Potential skin sensitizer. May be harmful if swallowed.

### Potential Health Effects

Inhalation:	May be irritating on inhalation.
Skin contact:	Irritation and possible sensitization.
Eye contact:	Irritation, including redness, burning, tearing, and blurred vision.
Ingestion:	May cause irritation to the mouth and throat, nausea, vomiting and diarrhea.
Routes of Exposure:	Eye, Skin, inhalation, Ingestion.

### Label elements

Symbols/Pictograms:



P273	Avoid release to the environment
P280	Wear Protective gloves/protective clothing /eye Protection/face protection
P305+351+338	If in eyes:Rinse cautiously with water for several minutes.Remove contact lenses.If present and easy to do.continue rinsing.
P501	Dispose of contents/container in accordance with local regulation

**Prevention:**

Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Do not breathe dust/fume/gas/mist/vapors/spray.  
 Wear protective gloves.  
 Do not eat, drink or smoke when using this product.  
 Wash thoroughly after handling.

**Response:**

IF exposed or concerned: Get medical advice/attention.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**The ingredient list for the finished product(s):**

Chemical Name	CAS#	EC#(EINECS#)
1.Epoxy Resin	25068-38-6	Not found
2.GPM-888	Proprietary	Not found
3.Silicon Dioxide(SiO2)	7631-86-9	231-545-4
4.Calcium Carbonate(CaCO3)	471-34-1	207-439-9
5. Mixture	mixture	Not Found

Note:The proportion in composition is a trade secret.

### 4. FIRST AID MEASURES

**Inhalation:** Move to fresh air. Work in a well ventilated place.

**Skin contact:** Wash with soap and water. If skin irritation persists,seek medical attention.

**Eye contact:** Flush eye with plenty of cold water for at least 15 minutes.Do not rub eyes. Get medical attention immediately.

**Ingestion:** Do not induce vomiting. Have victim rinse out mouth with water.Drink large amounts of water followed by milk if available.Obtain medical attention.If vomiting should occur spontaneously,keep airway clear,keep head above hips to prevent aspiration.For advice,contact a Poisons Information Center or a doctor (at once).

**Advice to Doctor:** Treat symptomatically and supportively.

### 5. FIRE-FIGHTING MEASURES

**Flammable properties:** Incombustible

**Extinguishing media:** Small Fire:Use dry chemical,CO2,water or foam extinguisher.  
Large Fire:Evacuate area and call Fire Department immediately.

**Special fire fighting procedures:** Firefighters should wear positive pressure Self-Contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

**Unusual fire or explosion hazards:** None known.

## 6. ACCIDENTAL RELEASE MEASURE

**Spill or Leak Procedures:** Pick up released product with appropriate implements and return to original container if reusable.If not reusable,place in appropriate containers for disposal. Appropriate personal protective equipment cited in Section 8 should be worn during all clean-up operations.

**Regulatory Requirements:** Follow applicable federal,state,or local regulations.

## 7.HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing.Avoid breathing vapors or fumes.Take appropriate precautions against inhalation of dust particles.Use only with adequate ventilation.Use protective glasses and protective gloves to avoid personal contact.Wash thoroughly after handling.Keep container closed when not in use.Keep out of reach of children.

**Storage:** Store in original,labeled container at room temperature.  
Do not store near fire or overheated place.  
Do not store near food or feed.

## 8.EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering controls:** Do not inhale vapours.Use in well ventilated areas.In poorly Ventilated areas,mechanical extraction ventilation is recommended,Maintain dust levels below the recommended exposure standard.

### Personal Protective Equipment

**Respiratory :** Not needed in normal use with proper Ventilation.

**Skin :** Use polyethylene gloves for prolonged use.Laundry soiled clothing before re-use.

**Eye:** Use safety glasses with side shields. Contact with eyes may cause irritation or burns.

**Other:** Eye wash should be available.

**Hygiene Measures:** Use only with adequate ventilation.Wash thoroughly after handling.

## 9.PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Putty  
**Color:** Grey and white  
**Odor:** Slight odor  
**Wiscosity:** Highly viscous

<b>PH-Value:</b>	Not available
<b>Boiling point/range:</b>	Not available
<b>Flash Point:</b>	Not available
<b>Self-Igniting:</b>	Not available
<b>Danger of Explosion:</b>	Not happen under normal use
<b>Relative Density(H<sub>2</sub>O=1):</b>	1.7+/-0.1
<b>Relative Vapor Density(AIR=1):</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Solubility in water:</b>	Insoluble

## 10.STABILITY AND REACTIVITY

**Stability:** Stable under normal temperatures and pressures.

**Hazardous polymerization:** Will not occur.

**Hazardous decomposition products:** Oxides of carbon, nitrogen, sulfur, and unknown organic compounds.

**Incompatibility(Materials to Avoid):** Strong oxidizing agents, strong acids.

**Conditions to avoid:** Open flame or excessive heat.

## 11.TOXICOLOGICAL INFORMATION

### Product toxicity data:

Epoxy Rein	Oral LD50(rat): 11.4g/kg
	Dermal LD50(rabbit): >20ml/kg
GPM-888	Skin Irritation(rabbit): 4.8/8
Silicon Dioxide(SiO <sub>2</sub> )	IPN-RAT LD50: 50mg/kg
	IVN-RAT LD50: 15mg/kg
Calcium Carbonate(CaCO <sub>3</sub> )	Dust may cause irritation. Typical TLV/TWA: 10mg/m <sup>3</sup>
<b>Carcinogenicity:</b>	None known
<b>Matagenicity:</b>	None known
<b>Reproductive Toxicity:</b>	None known
<b>Chronic Toxicity:</b>	May cause sensitization by skin contact
<b>Sensitization:</b>	The epoxy resin has been shown to cause sensitization in laboratory animals.
<b>Medical Conditions Aggravated By Exposure:</b>	Persons with pre-existing skin or lung disorders may be at increased risk from exposure to this product.

## 12.ECOLOGICAL INFORMATION

<b>Mobility:</b>	Insoluble in water
<b>Bioaccumulation:</b>	None known
<b>Persistence and Degradability:</b>	None known

## 13.DISPOSAL CONSIDERATIONS

**Waste Disposal:** Dispose should be in accordance with Federal, State/Province or Local regulation.

## 14. TRANSPORT INFORMATION

<b>Hazard class :</b>	Non hazardous
<b>Air(IATA):</b>	Not Regulated
<b>Ocean(IMDG):</b>	Not Regulated

## 15. REGULATORY INFORMATION

### European/International Regulatory Information

#### European Labeling in Accordance with EC Directives

##### Risk Phrases

<b>R22</b>	Harmful if swallowed
<b>R36/38</b>	Irritating to eyes and skin
<b>R43</b>	May cause sensitisation by skin contact

##### Safety Phrases

<b>S2</b>	Keep out of the reach of children.
<b>S3/7/9</b>	Keep container tightly closed in a cool, well-ventilated place.
<b>S24/25</b>	Avoid contact with skin and eyes.

**Other:** Refer to all applicable national, international and local regulations or provisions.

For detailed regulations, contact the appropriate agency in your country.

## 16. OTHER INFORMATION

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<b>Issue Date:</b>	06-Jan-2016
<b>Revision date:</b>	06-Jan-2016
<b>Revision Note:</b>	Not applicable.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.