

# MATERIAL SAFETY DATA SHEET

Revised date: 23/06/2017

## 1. PRODUCT NAME AND IDENTIFICATION

**Product Name:** JCP 805 METAL REPAIR PUTTY  
**Chemical Name & Synonyms:** N/A  
**CAS Number:** N/A, Mixture  
**Company Name:** JCP GROUP (THAILAND) CO., LTD.  
**Tel & Fax:** +(66)34-410-824 **Emergency:** +(66)85-105-6034

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS#	% by Wt.
Epoxy Resin	23068-38-36	40-50
Toughening Agent		5-10
Curing Agent		15-25
Alumina Powder	1344-28-1	10-20
Silica	7631-86-9	10-20

## 3. HAZARDS IDENTIFICATION

**Emergency overview:** Can cause irritation or damage to eyes and skin. Harmful if swallowed.

**Routes of Exposure:** Inhalation: [✓] Ingestion: [✓] Absorption: [✓]

**Eyes:** Causes eye irritation.

**Skin:** May cause skin irritation.

**Inhalation:** Prolonged skin contact may defat the skin and produce dermatitis. Harmful if inhaled and may cause delayed lung injury.

**Ingestion:** Ingestion may cause irritation to mucous membranes. Causes headache, drowsiness or other effects to the central nervous system. Aspiration hazard if swallowed - can enter lungs and cause damage.

**Carcinogenicity:** Contains no listed carcinogens

## 4. FIRST AID MEASURES

**General advice** Avoid contact with skin, eyes and clothing.

**Eye Contact** Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

**Skin** Contact Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms occur.

**Ingestion** Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth.

**Notes to physician** May cause sensitization of susceptible persons

## 5. FIRE FIGHTING MEASURES

**Flash Point** Does not flash **Method** Not applicable

**Flammability Limits in Air %** No information available. **Upper** No data available **Lower** No data available  
**Suitable Extinguishing Media** Foam. Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray.  
 Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
**Specific hazards arising from the chemical** None known.  
**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear  
**NFPA** Health 1 Flammability 0 Instability 0  
**HMIS** Health 1 Flammability 0 Instability 0

## 6. ACCIDENTAL RELEASE (SPILL MEASURES)

**Personal Precautions** Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so.  
**Environmental Precautions** Do not flush into surface water or sanitary sewer system.  
**Methods for Containment** Cover powder spill with plastic sheet or tarp to minimize spreading.  
**Methods for Cleaning Up** Pick up and arrange disposal without creating dust. Neutralizing Agent Not applicable

## 7. HANDLING AND STORAGE

**Handling** Avoid contact with skin, eyes and clothing.  
**Storage** Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.  
**Storage Temperature** Minimum 39 °F / 4 °C Maximum 86 °F / 30 °C  
**Storage Conditions** Indoor X Outdoor Heated Refrigerated

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering** Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

### Personal Protective Equipment

**Eye/Face Protection** Safety glasses with side-shields.  
**Skin Protection** Wear suitable protective clothing, Impervious gloves.  
**Respiratory Protection** In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  
**General Hygiene Considerations** Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES (Typical)

<b>Physical State</b>	Viscous Fluid	<b>Viscosity</b>	Paste
<b>Color</b>	Brown Red	<b>Odor</b>	Slight
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Opaque
<b>pH</b>	Not applicable	<b>Specific Gravity</b>	2.20
<b>Evaporation Rate</b>	<1 (Butyl acetate=1)	<b>Percent Volatile (Volume)</b>	0
<b>VOC Content (%)</b>	0	<b>VOC Content (g/L)</b>	0

<b>Vapor Pressure</b>	<0.1 mmHg @ 70°F	<b>Vapor Density</b>	Not applicable
<b>Solubility</b>	Insoluble	<b>n-Octanol/Water Partition</b>	No data available
<b>Melting Point/Range</b>	No data available	<b>Decomposition Temperature</b>	>220 °C
<b>Boiling Point/Range</b>	No information available	<b>Flammability (solid, gas)</b>	No data available
<b>Flash Point</b>	Does not flash	<b>Method</b>	Not applicable
<b>Autoignition Temperature</b>	No information available.		
<b>Flammability Limits in Air %</b>	No information available. <b>Upper</b> No data available <b>Lower</b> No data available		

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable. Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	None known
<b>Incompatible Products</b>	None known
<b>Decomposition Temperature</b>	>220 °C
<b>Hazardous Decomposition Products</b>	None under normal use
<b>Possibility of Hazardous Reactions</b>	None under normal processing

## 11. TOXICOLOGICAL INFORMATION

### Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

<b>Oral LD50</b>	1,000.00
<b>Dermal LD50</b>	1,280.00
<b>Inhalation LC50</b>	
<b>Gas</b>	No information available
<b>Mist</b>	No information available
<b>Vapor</b>	No information available
<b>Principle Route of Exposure</b>	Skin contact, Eye contact.
<b>Primary Routes of Entry</b>	Skin Absorption
<b>Acute Effects</b>	
<b>Eyes</b>	Causes eye irritation.
<b>Skin</b>	Causes skin irritation. May cause allergic skin reaction.
<b>Inhalation</b>	Low hazard for usual industrial or commercial handling.
<b>Ingestion</b>	Low hazard for usual industrial or commercial handling.
<b>Chronic Toxicity</b>	May cause sensitization by skin contact. Contains a known or suspected carcinogen.
<b>Target Organ Effects</b>	Eyes, Respiratory system, Kidney, Immune system.
<b>Aggravated Medical Conditions</b>	Skin disorders

### Component Information

<b>Acute toxicity</b>	No available data
<b>Chronic Toxicity</b>	No available data
<b>Carcinogenicity</b>	There are no known carcinogenic chemicals in this product

## 12. ECOLOGICAL INFORMATION

<b>Persistence and Degradability</b>	No information available.
<b>Bioaccumulation</b>	No information available.

**Mobility**

No information available.

### 13. DISPOSAL CONSIDERATIONS

<b>Product Disposal</b>	Dispose of as hazardous waste in compliance with local and national regulations
<b>Container Disposal</b>	Empty containers should be taken for local recycling, recovery or waste disposal

### 14. TRANSPORT INFORMATION

<b>DOT</b>	Not regulated
<b>TDG</b>	Not regulated
<b>ICAO</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG/IMO</b>	Not regulated

### 15. REGULATORY INFORMATION

#### Inventories

<b>TSCA</b>	Complies
<b>DSL</b>	Complies

#### U.S. Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372:

##### SARA 311/312 Hazardous Categorization

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

#### CERCLA

<b>Component</b>	Bisphenol A - Epichlorohydrin polymer
<b>Hazardous Substances RQs</b>	Not applicable
<b>CERCLA EHS RQs</b>	Not applicable

### 16. OTHER INFORMATION

The above information is based on data available to us and is believed to be correct. However, no warranty, merchantability, fitness for any use or any other warranty is expressed or to be implied regarding the accuracy of these data, the result to be obtained from the use thereof, the hazards connected with the use of the material, or that any such use will not infringe any patent. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility resulting from its use. This information is furnished upon the condition that the person receiving it shall make his own determination for the suitability of the material for his particular purposes.