

MATERIAL SAFETY DATA SHEET

Revised date: 23/06/2017

1. PRODUCT NAME AND IDENTIFICATION

Product Name: JCP 308 QUICK REPAIR
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.
Bisphenol A - Epichlorohydrin polymer	25068-38-6	10-30
Crystalline Silica (Quartz)	14808-60-7	0.1-1

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 (CO₂). 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
HMS	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 38 °F / 3 °C	Maximum 90 °F / 32 °C		
Storage Conditions	Indoor X	Outdoor	Heated	Refrigerated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Bisphenol A - Epichlorohydrin polymer	No data available	No data available	No data available
Crystalline Silica (Quartz)	: 0.025 mg/m ³ TWA (respirable fraction)	No data available	IDLH: 50 mg/m ³ TWA: 0.05 mg/m ³

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)

Physical State	Solid	Viscosity	Paste
Color	Gray - black	Odor	Sulfurous
Odor Threshold	Not applicable	Appearance	Opaque
pH	Not applicable	Specific Gravity	2.25
Evaporation Rate	<1 (Butyl acetate=1)	Percent Volatile (Volume)	0
VOC Content (%)	0	VOC Content (g/L)	0

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

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

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

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Bisphenol A - Epichlorohydrin polymer	= 11400 mg/kg (Rat)	N/A	N/A	N/A	N/A
Crystalline Silica (Quartz)	= 500 mg/kg (Rat)	N/A	N/A	N/A	N/A

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Bisphenol A - Epichlorohydrin polymer	N/A	Skin sensitization	N/A	N/A	immune system
Crystalline Silica (Quartz)	N/A	N/A	N/A	N/A	eyes, respiratory system, skin

Carcinogenicity There are no known carcinogenic chemicals in this product

Component	ACGIH	IARC	NTP	OSHA	Other
Bisphenol A - Epichlorohydrin polymer	N/A	N/A	N/A	N/A	N/A
Crystalline Silica (Quartz)	A2	Group 1	Known	X	N/A

12. ECOLOGICAL INFORMATION

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Bisphenol A - Epichlorohydrin polymer	N/A	N/A	N/A	N/A	N/A
Crystalline Silica (Quartz)	N/A	N/A	N/A	N/A	N/A

Persistence and Degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of as hazardous waste in compliance with local and national regulations

Container Disposal Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

Inventories

TSCA Complies

DSL 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

Acute Health Hazard Yes

Chronic Health Hazard Yes

Fire Hazard No

Sudden Release of Pressure Hazard No

Reactive Hazard No

CERCLA

Component Bisphenol A - Epichlorohydrin polymer

Hazardous Substances RQs Not applicable

CERCLA EHS RQs 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.
