

SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

Material/Trade Name: Epoxy Clay Steel
Material Type: Epoxy Putty
Company: Republic Chemical Industries, Inc.
Address: 731 Aurora Boulevard, Quezon City, 1112 Philippines
Telephone: +63 2 721 5781 to 86
Fax: +63 2 727 5095
Website: www.repchem.com

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification:	Flammability	Category – Not classified
	Acute Toxicity – Oral:	Category 5
	Acute Toxicity – Dermal:	Category 5
	Skin Corrosion:	Category – Not classified
	Skin Irritation:	Category 2
	Serious Eye Damage/Eye Irritation:	Category 2B
	Sensitization – Respiratory	Category – Not classified
	Sensitization – Skin:	Category 1
	STOT – Single Exposure:	Category – Not classified
	STOT – Repeated Exposure:	Category – Not classified
	Aspiration Hazard:	Category – Classification not possible
	Aquatic Toxicity - Acute:	Category – Classification not possible

Hazard Symbol/ Signal Word:



WARNING!

Hazard Statement:

Maybe harmful if swallowed.
Maybe harmful in contact with skin
Causes skin irritation.
Causes eye irritation.
May cause an allergic skin reaction.

Precautionary Statement:

Prevention:

Contaminated work clothing should not be allowed out of the working place.
Wear protective gloves/protective clothing/eye protection/face protection.
Avoid release to the environment.

Response:

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If on skin: Wash with plenty of soap and water.
If on clothing: Take off contaminated clothing and wash before use.
If skin irritation or rash occurs: Get medical advice/attention.



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VERSION: 019-02
VERSION DATE: 07/24/13
SUPERSEDES: 03/06/09

If eye irritation persists: Get medical advice/attention.
Call a POISON CENTER or doctor/physician if you feel unwell.

SECTION 3: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Identity	CAS no.	Concentration (%)
Diglycidyl Ether of Bisphenol A	25036-25-3	7 - 13%
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers	25085-99-8	5 - 10%
2,4,6-tris (dimethylamino) methyl phenol	90-72-2	0.5% - 1.5%

SECTION 4: FIRST AID MEASURES

Eye: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Skin: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention.

Inhalation: Moved to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: If swallowed, do not induce vomiting. If vomiting occurs spontaneously, head below hips to prevent aspiration into lungs. Never give anything by mouth to an unconscious person. Call a physician immediately.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: >140°F

Autoignition temperature: Not available

Extinguishing Media: Water spray, foam, dry chemical or carbon dioxide.

Special Fire fighting Procedure: Fire fighters should wear self-contained breathing apparatus.

Hazardous thermal

Decomposition Products: Carbon dioxide, carbon monoxide and oxides of nitrogen.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment as specified in Section 8.

Contain spilled material if possible.

Remove residual with soap and hot water.

Collect in suitable and properly labeled containers.

Residual can be removed with solvent unless the recommended exposure guidelines and handling practices are followed.

Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Do not flush to sewer and prevent from entering into soil, ditches, waterways and groundwater.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling. Avoid use of electric band heaters

Storage: Storage temperature - less than 90°F. Store in cool, dry, well-ventilated area.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection: Safety goggles/glasses suitable for use with chemicals.

Respiratory Protection: Always use appropriate Filter Mask/respirator (NIOSH/MSHA Approved).

Skin Protection: Nitrile/polyethylene gloves, coveralls, avoid cotton products.

Ventilation: Good general or local exhaust ventilation is required for usage.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Putty	Oxidizing Properties:	Not available
Color:	Grey/Black	Vapor Pressure:	Not available
Odor:	Sulfur/Mercaptan	Vapor Density:	Not available
Odor Threshold:	Not available	Relative Density(g/cc):	2.2
Boiling Point:	Not available	Solubility in Water:	Not soluble
Melting Point:	Not available	Partition Coefficient:	Not available
Flash Point:	>140°F	Auto-ignition Temperature:	Not available
Evaporation Rate:	Not available	Decomposition Temperature:	Not available
Flammability:	Not available	Viscosity:	Not applicable
Explosion Limits:	Not available	Volatile Organic Compounds:	<0.1%

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable under ordinary conditions of use and storage.
Hazard Polymerization:	Will not occur.
Incompatibility:	None
Hazardous Decomposition	
Products:	Aldehydes, acids, and oxides of carbon, nitrogen and sulfur
Conditions to Avoid:	None

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:	
Oral:	LD50 (rat) : >5,000 mg/kg
Dermal:	LD50 (rabbit): 20,000 mg/kg
Inhalation:	LC50 (rat) : >0.5mg/L
Corrosivity/Irritation:	
Eyes:	Irritant effect.
Skin:	Irritant to skin and mucous membrane.
Respiratory Tract:	No data available on the product itself.
Skin Sensitization:	No data is available on the product itself
Chronic Toxicity:	No data is available on the product itself
STOT – Single Exposure:	No data is available on the product itself
STOT – Repeated Exposure:	No data is available on the product itself
Mutagenecity:	Animal genetic toxicity studies were negative.
Carcinogenicity:	Not classified as a carcinogen.
Reproductive Toxicity:	In animal studies, did not interfere with reproduction.

SECTION 12: ECOLOGICAL INFORMATION

Acute Toxicity:	
Daphnia:	EC50 (48h): 1.4 – 1.7 mg/L
Fish:	LC50 (96h): 3.1 mg/L

The material is moderately toxic to aquatic organisms on an acute basis. Toxicity to aquatic species occurs at concentrations above material's water solubility.

SECTION 13: DISPOSAL CONSIDERATIONS

Must not be disposed together with household garbage.
Do not discharge into drains or watercourses.

Disposal must be made according to official regulations.

SECTION 14: TRANSPORTATION INFORMATION

IATA-DGR	Not regulated
IMDG	Not regulated

SECTION 15: REGULATORY INFORMATION

Chemical Inventory:

PICCS (Philippines):	Listed
EINECS (EU):	Listed
KECI (KR):	Listed
TSCA (US):	Listed
DSL (CN):	Listed
ENCS (JP):	Listed

SECTION 16: OTHER INFORMATION

The information contained in this MSDS is based on our present knowledge. It was obtained from a variety of sources and is believed to be accurate and current at the stated version date. This data is provided without warranty for the use of this information, application or processing described in this MSDS. Users should note the possibility of hazards occurring due to improper use of the product.

Department issuing MSDS: Research and Development Department

Contact: Marketing Department

ABBREVIATIONS AND ACRONYMS:

PICCS – PHILIPPINE INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES
EINECS – EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES
KECI – KOREAN EXISTING CHEMICALS LIST
TSCA – TOXIC SUBSTANCES CONTROL ACT
DSL – DOMESTIC SUBSTANCES LIST
ENCS – JAPANESE EXISTING AND NEW CHEMICALS SUBSTANCES