

POLYCAST INDUSTRIES, INC.

Safety Data Sheet PC-290 Part A

SECTION 1: Identification

Product identifier

Product name	PC-290 Part A
Product number	PC-290 Part A
Brand	PCI
Substance name	Epoxy Resin

Supplier's details

Name	Polycast Industries, Inc.
Address	130 South 2nd Street Bay Shore, NY 11706 USA
Telephone	6315952530
Fax	6315952537

SECTION 2: Hazard identification

Classification of the substance or mixture

Acute toxicity Oral Category 4
Acute toxicity Inhalation - Dust and Mist Category 4 - 14.0% of the mixture consists of ingredient(s) of unknown toxicity.
Acute toxicity Inhalation - Vapors Category 4 - 14.0% of the mixture consists of ingredient(s) of unknown toxicity.
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A
Skin sensitization Category 1
Carcinogenicity Category 1B
Reproductive toxicity Category 1A
Specific target organ systemic toxicity (single exposure) Category 1 circulatory system, Kidney, Nervous system, Hematopoietic System
Specific target organ systemic toxicity (repeated exposure) Category 2 Blood, brain, Liver
Specific target organ systemic toxicity (repeated exposure) Category 1 circulatory system, Kidney, Nervous system, Hematopoietic System
Hazardous to the aquatic environment - acute hazard Category 1
Hazardous to the aquatic environment - chronic hazard Category 1

GHS label elements, including precautionary statements

Pictogram



Signal Word

DANGER

Hazard Statements

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Harmful if swallowed.
Harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause cancer.
May damage fertility or the unborn child.
May cause harm to breast-fed children.
Causes damage to organs.(circulatory system, Kidney, Nervous system, Hematopoietic System).
May cause damage to organs through prolonged or repeated exposure in contact with skin.(Blood, brain, liver).
Causes damage to organs through prolonged or repeated exposure.(circulatory system, kidney, nervous system, hematopoietic System)
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/eye protection/face protection.
Use personal protective equipment as required.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.

Response

Call a POISON CENTER or doctor/physician if you feel unwell.
IF exposed: Call a POISON CENTER or doctor/physician.
Specific treatment (see supplemental first aid instructions on this label).
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Rinse mouth.
Take off contaminated clothing and wash before reuse.
Collect spillage.

Storage

Store locked up.

Disposal:

Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

Other Hazards:

This product contains component(s) which have the following warnings; however based on the GHS classification criteria of your country or locale, the product mixture may be outside the respective category(s).

Acute: May cause respiratory tract irritation. May cause headache and nausea. Harmful if swallowed.
Ingestion is not an expected route of entry in industrial or commercial uses.

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Chronic: Prolonged or repeated contact may result in dermatitis. Lead and lead compounds have been classified by IARC as probable human carcinogens (Group 2A), and by NTP as reasonably anticipated human carcinogens.

Overexposure to lead in this product can damage the nervous, urinary, gastrointestinal, blood, blood-forming, and reproductive systems.

SECTION 3: Composition/information on ingredients

Mixtures

Substance name	Epoxy resin mixture
CAS no.	Proprietary
Range	15-35%

Substance name	Lead tetra oxide
CAS no.	1314-41-6
Range	65-80%

Trade secret statement (OSHA 1910.1200(i))

Proprietary Ingredient – may be made available as provided in 29 CFR 1910.1200 (I).

This product contains substances subject to the reporting requirements of SARA Section 313 of Title III of the Superfund Amendments and reauthorization Act of 1986 and 40 CFR Part 372.

SECTION 4: First-aid measures

Description of necessary first-aid measures

FIRST AID - EYE CONTACT:	Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.
FIRST AID - SKIN CONTACT:	Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.
FIRST AID - INHALATION:	Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.
FIRST AID - INGESTION:	If swallowed, do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.

SECTION 5: Fire-fighting measures

SUITABLE EXTINGUISHING MEDIA:

Carbon Dioxide, Dry Chemical, Foam, Water Fog

SPECIFIC HAZARDS POSSIBLY ARISING FROM THE CHEMICAL:

Keep containers tightly closed. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:

Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). If water is used, fog nozzles are preferable.

SECTION 6: Accidental release measures

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PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:

Avoid contact. Avoid breathing vapors. Use appropriate respiratory protection for large spills or spills in confined area.

ENVIRONMENTAL PRECAUTIONS:

Do not contaminate bodies of water, waterways, or ditches, with chemical or used container.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:

Keep non-essential personnel a safe distance away from the spill area. Notify appropriate authorities if necessary. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of the SDS form. Scoop spilled material into an appropriate container for proper disposal. (If necessary, use inert absorbent material to aid in containing the spill).

SECTION 7: Handling and storage

HANDLING:

Keep closure tight and container upright to prevent leakage.

Avoid skin and eye contact.

Wash thoroughly after handling.

Avoid breathing of vapor or spray mists.

Do not handle until all safety precautions have been read and understood.

Empty containers should not be re-used.

Avoid breathing sanding dust from this product.

Use with adequate ventilation.

This product contains inorganic lead; potential lead exposure exists when applying or sanding this product. Use of this product should comply with the OSHA Lead Standard (29 CFR 1910.1025) or where applicable the OSHA Construction Standard for lead (29 CFR 1926.62).

STORAGE:

Store only in well-ventilated areas.

Keep container closed when not in use.

INCOMPATIBILITY:

Amines, acids, water, hydroxyl, or active hydrogen compounds.

Strong acids, bases, and strong oxidizers.

SECTION 8: Exposure controls/personal protection

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Splash-proof safety, Chemical Worker and Chemical Splash goggles.

Skin protection

Gloves resistant to chemical penetration.

Body protection

Splash-proof safety, Chemical Worker and Chemical Splash goggles.

Gloves resistant to chemical penetration.

Respiratory protection

NESA/NIOSH approved respirator is highly recommended.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Liquid, pigmented
Odor	Slight
Odor threshold	n/a
pH	n/a
Melting point/freezing point	n/a
Initial boiling point and boiling range	n/a
Flash point	>200F
Evaporation rate	Slower (relative to n-butyl acetate)
Flammability (solid, gas)	Combustible Liquid Class III B
Upper/lower flammability limits	n/a
Upper/lower explosive limits	n/a
Vapor pressure	n/a
Vapor density	heavier than air
Relative density	n/a
Solubility(ies)	in H ₂ O, negligible (<0.1%)
Partition coefficient: n-octanol/water	n/a
Auto-ignition temperature	n/a
Decomposition temperature	n/a
Viscosity	n/a
Explosive properties	n/a
Oxidizing properties	n/a

Other safety information

Specific Gravity: 3.63

SECTION 10: Stability and reactivity

Reactivity

Stable under recommended storage conditions.

Chemical stability

Stable.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

None.

Incompatible materials

Amines, acids, water, hydroxyl, or active hydrogen compounds, strong acids, bases, and strong oxidizers.

Hazardous decomposition products

Oxides of carbon and aldehydes.

SECTION 11: Toxicological information

Information on toxicological effects

Skin corrosion/irritation

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Wash skin with soap and water or waterless hand cleaners.

Serious eye damage/irritation

Contact irritating to eyes.

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Respiratory or skin sensitization

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Summary of evaluation of the CMR properties

---Ingredient---	OSHA	ACGIH	LD50 (mg/kg)		LC50 (ppm)
			(rat)	(rbt)	(rat)
Material Ingredient	PEL	TLV (twa)	oral	dermal	inhal
Epoxy resin	n/a	n/a	>9000	>10000	n/a
Lead tetra oxide	0.05 (twa)	0.15	n/a	n/a	n/a

Germ cell mutagenicity: No classification proposed

Carcinogenicity: Category 1B - May cause cancer.

Components contributing to classification: Lead tetra oxide. N-Butyl glycidyl ether. Lead.

Reproductive toxicity: Category 1A - May damage fertility or the unborn child. May cause harm to breast-fed children. Components contributing to classification: Lead tetra oxide. N-Butyl glycidyl ether. Lead.

SECTION 12: Ecological information

n/a

SECTION 13: Disposal considerations

Disposal of the product

Dispose of in accordance with local regulations.

Disposal of contaminated packaging

Dispose of in accordance with local regulations.

Sewage disposal

Do NOT flush into sewer.

SECTION 14: Transport information

US DOT Road

DOT Proper Shipping Name: Environmentally hazardous substances, solid, n.o.s.
DOT Hazard Class: 9
SECONDARY HAZARD: None
DOT UN/NA Number: 3077
Packing Group: III
Emergency Response Guide Number: 171

IATA Cargo

PROPER SHIPPING NAME: Environmentally hazardous substance, solid, n.o.s.
DOT Hazard Class: 9
HAZARD CLASS: None
UN-NUMBER: 3077
PACKING GROUP: III
EMS: 9L

IMDG

PROPER SHIPPING NAME: Environmentally hazardous substance, solid, n.o.s.
DOT Hazard Class: 9
HAZARD CLASS: None
UN-NUMBER: 3077
PACKING GROUP: III
EMS: F-A

The listed transportation classification applies to US DOT Road, IATA Cargo, and IMDG non-bulk shipments. It does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors. For the most accurate shipping information, refer to your transportation/compliance department.

SECTION 15: Regulatory information

U.S. FEDERAL REGULATIONS: AS FOLLOWS: SARA SECTION 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372.

Chemical Name	Lead tetraoxide
CAS Number	1314-41-6
Weight % Less Than	90.0 %

TOXIC SUBSTANCES CONTROL ACT:

INVENTORY STATUS

The chemical substances in this product are on the TSCA Section 8 Inventory.

EXPORT NOTIFICATION

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States: None

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HMIS Rating

Health	3
Flammability	1
Physical hazard	0
Personal protection	H

SECTION 16: Other information