



EPOXY GROUT

SAFETY DATA SHEET

SECTION I - IDENTIFICATION

1.1 PRODUCT NAME: EPOXY GROUT PART B

PRODUCT CODE: LEG.5

1.2 USES: EPOXY ADHESIVE FOR BONDING

1.3 COMPANY NAME: PIC SISTEMAS

Company Address: 1148 Champlain Dr., Brownsville. Texas 78526

1.4 Teléfono de Oficina: +1 (956) 435-4262

EMAIL: ventas@picsacv.com.mx

SECTION II - HAZARD IDENTIFICATION

2.1 Hazardous substance classification:

Code	Hazard Statements	Hazard Class	Hazard category
H302 + H312 + H332	Harmful if swallowed, in contact with skin or if inhaled	Acute toxicity, oral; acute toxicity, dermal; and acute toxicity, inhalation	4
H314	Causes severe skin burns and eye damage	Skin corrosion/irritation	1, 1B
H317	May cause an allergic skin reaction	Skin sensitization	1
H413	May be harmful to aquatic life with long lasting effects	Environmental hazard statements	4

2.2 Signal elements, including precautionary statements and hazard pictograms.

Signal Word: **DANGER**



Precautionary Statements:

P-260 Do not breathe dust / fume / gas / mist / vapors / spray

P-264 Wash ... thoroughly after handling

P-270 Do not eat, drink or smoke when using this product

P-271 Use only outdoors or in a well-ventilated area

P-272 Contaminated work clothing should not be allowed out of the workplace

P-273 Avoid release to the environment

P-280 Wear protective gloves / protective clothing / eye protection / face protection



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P-301 + P-330 + P-312 IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
P-304 + P-340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P-305 + P-351 + P-338. IF IN EYES: Rinse cautiously with water for several minutes.
P-303+P-361+P-353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P-310 Immediately call a POISON CENTER or doctor/physician.
P-312 Call a POISON CENTER or doctor/physician if you feel unwell.
P-362 Take off contaminated clothing.
P-405 Store locked up.
P-501 Dispose of contents/container.

HEALTH HAZARDS OR RISKS FROM EXPOSURE:

Symptoms of Overexposure by Route of Exposure:

The most important routes of overexposure to this product are skin or eye contact. The symptoms of overexposure are described in the following paragraphs.

Acute:

Inhalation: May cause respiratory tract irritation. May cause headaches, drowsiness, or dizziness.

Skin Contact: A single prolonged exposure may result in the absorption of harmful amounts. May cause burns or redness. Skin contact may cause an allergic reaction.

Eye Contact: Corrosive material may cause irritation with potential burns and tissue damage.

Ingestion: Harmful if swallowed. May cause nausea and diarrhea.

Chronic: Repeated exposure may cause skin dryness or cracking.

Target Organs:

Acute: Skin, eyes **Chronic:** Skin

HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS NUMBER	PERCENTAGE
Benzyl alcohol	100-51-6	30-60%
Cycloaliphatic amine adduct	68609-08-5	10-30%
Isophorone diamine	2855-13-2	10-20%
1,2-Ethanediamines, N1, N2-bis(2-aminoethyl)	112-24-3	< 1 %
1,2-Ethanediamines, N1-(2-aminoethyl), N2-[2-[(2-aminoethyl)amino]ethyl]-	112-57-2	< 24-40%
Polyethylene amines	68131-73-7	< 15%

Note: All WHMIS required information is included in the appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives, and the Japanese Industrial Standard JIS Z 7250:2000.



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SECTION IV - FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

Eye Contact:

If product enters eyes, flush with plenty of water or an eyewash solution for several minutes. Remove contact lenses if present and easy to do. Seek medical attention if irritation persists.

Skin Contact:

Wash skin thoroughly with soap and water after handling. Consult a physician if irritation develops and persists.

Inhalation:

If breathing is difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

Ingestion:

If product is swallowed, call a physician or poison control center immediately. If professional advice is unavailable, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to an unconscious person, anyone having convulsions, or someone who cannot swallow. Seek medical attention. Bring a copy of the label and/or safety data sheet with the victim to the healthcare professional.

Medical Conditions Generally Aggravated by Exposure:

Pre-existing skin, respiratory system, or eye conditions may be aggravated by prolonged contact.

Acute and Delayed Symptoms and Effects:

Skin and eye exposure may cause burns or redness.

Recommendations to Physicians:

Treat symptoms and eliminate overexposure.

SECTION V - FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:**Use the following fire extinguishing materials:**

- Water Spray: Yes
- Foam: Yes
- Halon: Yes
- Carbon Dioxide: Yes
- Dry Chemical: Yes
- Other: Any Class "C"

Unusual Fire and Explosion Hazards:

Irritating and toxic fumes may be produced at high temperatures. The use of water may cause a toxic aqueous solution to form. Do not allow run-off water from fire-fighting to enter drains or watercourses.

Explosion Sensitivity to Mechanical Impact: No

Explosion Sensitivity to Static Discharge: No

Special Fire-Fighting Procedures :

Incipient fire responders should wear eye protection.

Structural firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment.

Isolate materials not yet involved in the fire and protect personnel.

Move containers from fire area if it can be done without risk; otherwise, cool with carefully applied water spray.

If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.



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SECTION VI - ACCIDENTAL RELEASE MEASURES

Use cautious judgment when cleaning up a spill. Wear appropriate protective clothing, gloves, and eye/face protection.

Environmental Precautions:

Dike to prevent spreading. Do not allow entry into sewers, storm drains, surface water, or soil.

SPILL AND LEAK RESPONSE:

Small Spills:

Collect material with a broom or mop.

Place in tightly sealed containers for proper disposal.

Approach spill areas with caution. If liquid is present, create a dike or trench to contain the material.

Absorb with an absorbent material such as clay, sand, or other suitable non-reactive material.

Large Spills:

Place in airtight containers.

Seal tightly for proper disposal.

Dispose of in accordance with federal, state, and local hazardous waste regulations.

Treat symptoms and eliminate overexposure (refer to Section 13, Disposal Considerations).

SECTION VII - HANDLING AND STORAGE

Precautions for Safe Handling:

To prevent eye contact under foreseeable conditions of use, wear appropriate safety glasses.

Do not eat, drink, or smoke during handling.

Wash thoroughly after handling.

Do not handle or store near heat, sparks, or open flames.

Storage and Handling Practices:

Keep away from incompatible materials.

Keep container closed when not in use and store in a well-ventilated place.

Specific Uses: Epoxy

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS INGREDIENTS	CAS NUMBER	OSHA PEL	NIOSH PEL
Benzyl alcohol	100-51-6	NOT LISTED	NOT LISTED
Cycloaliphatic amine adduct	68609-08-5	NOT LISTED	NOT LISTED
Isophorone diamine	2855-13-2	NOT LISTED	NOT LISTED
1,2-Ethanediamines, N1, N2-bis(2-aminoethyl)	112-24-3	NOT LISTED	NOT LISTED
1,2-Ethanediamines, N1-(2-aminoethyl), N2-[2-[(2-aminoethyl)amino]ethyl]-	112-57-2	NOT LISTED	NOT LISTED
Polyethylene amines	68131-73-7	NOT LISTED	NOT LISTED

EXPOSURE CONTROLS:

Ventilation and Engineering Controls:

Use with adequate ventilation to ensure exposure levels are maintained below the limits indicated above.

The following information on appropriate Personal Protective Equipment (PPE) is provided to assist employers in complying with OSHA standards set forth in 29 CFR 1910 Subpart I (starting at 1910.132), or EU Member State standards (including EN 149 for respiratory PPE and EN 166 for face and eye protection), and Japanese standards. Please consult applicable codes and regulations for additional details.



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Respiratory Protection:

Not required in adequately ventilated areas. Keep airborne contaminant concentrations below the guidelines listed above, if applicable. If necessary, use only respiratory protection authorized under the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134)

Hand protection:

Chemical-resistant gloves are required to prevent skin contact.



Use safety gloves.

Eye protection:

Safety glasses are required



Wear safety glasses.

Personal Protective Equipment:

Use personal protective equipment appropriate for the task at hand.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Liquid

COLOR: Gray

ODOR: Characteristic

ODOR THRESHOLD: Not available

BOILING POINT: 300 °F (148.9 °C)

FREEZING POINT: No data available

FLAMMABILITY: Not applicable

FLASH POINT: 212 °F (100 °C)

AUTO-IGNITION TEMPERATURE: No data available

LOWER FLAMMABILITY LIMIT: N / D

UPPER FLAMMABILITY LIMIT: N / D

VAPOR PRESSURE (mmHg): VAPOR PRESSURE (mmHg):

VAPOR DENSITY: No data available

RELATIVE DENSITY: No data available

EVAPORATION RATE: No data available

Specific Gravity: 1,0 ± 0,05

pH a 20 °C: No data available

SOLUBILITY IN WATER: Slightly soluble

PARTITION COEFFICIENT: No data available

DECOMPOSITION TEMPERATURE: No data available

VISCOSITY: No data available

SECTION X- STABILITY AND REACTIVITY DATA

Reactivity: This product is non-reactive.

Chemical Stability: Stable under normal conditions of storage and use.

Possibility of Hazardous Reactions: Will not occur.

Conditions to Avoid: Heat, open flames, or other ignition sources.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and other decomposition products may be formed during combustion if not used according to specifications.



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SECTION XI - TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Bisphenol A diglycidyl ether resin 25068-38-6	Oral LD50 (rat)	13600 mg/kg
Glycidyl-2-methylphenyl ether 2210-79-9	Oral LD5 (rat)	4000 mg/kg

Suspected Carcinogen:

The ingredients in this product are not listed on one or more of the following lists: the Federal OSHA Z List, NTP, IARC, or CAL/OSHA; therefore, these agencies do not consider them to be carcinogens.

Irritation: Irritating to the skin and eyes.

Product Sensitization: This product is not expected to cause skin sensitization.

Germ Cell Mutagenicity: This product does not contain any ingredients suspected of being mutagenic to germ cells.

Reproductive Toxicity: No data available.

SECTION XII - ENVIRONMENTAL INFORMATION

Bisphenol A diglycidyl ether resin 25068-38-6	LC50 - Rainbow trout	<10 mg/l - 96 h
	EC50 - Algae	<10 mg/l - 96 h
2-Methylphenyl glycidyl ether 2210-79-9	LC50 - Fish	2, 8 - 5, 1 mg/l - 96 h

Persistence and degradability:

No specific data are available for this product.

Bioaccumulation potential:

No specific data are available for this product.

Mobility in soil:

No specific data are available for this product.

Results of the PBT and mPmB assessment:

No specific data are available for this product.

Other adverse effects:

No data are available.

Water hazard class:

Currently, there are no ecotoxicological assessments for this product.

SECCIÓN XV - INFORMACIÓN REGULADORA

SPECIFIC SAFETY, HEALTH, AND ENVIRONMENTAL REGULATIONS/LEGISLATION FOR THE SUBSTANCE OR MIXTURE—UNITED STATES (U.S.)

US SARA Reporting Requirements:

The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

US SARA 311/312:

Acute Health: Yes; **Chronic Health:** No; **Fire:** No; **Reactivity:** No



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U.S. CERCLA Reportable Quantity: Not applicable

U.S. TSCA Inventory Status:

The components of this product are listed in the TSCA inventory or are exempt from listing.

Other U.S. Federal Regulations: None known.

California Toxic Substances Control Act and Safe Drinking Water Act (Proposition 65):

This product does not contain any ingredients listed under Proposition 65...

CANADIAN REGULATIONS:

Status under the Canadian DSL/NDSL inventory:

The components are listed on the DSL, NDSL, and/or are exempt from listing.

Other Canadian regulations: Not applicable.

Priority Substances Lists under Canada's Environmental Protection Act (CEPA):

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations, and the MSDS contains all the information required by those regulations.

Canadian WHMIS Classification and Symbols:

This product is classified as Class E (corrosive) and D2B (materials causing other toxic effects) under the WHMIS Controlled Products Regulations.

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

This product meets the definition of a hazardous substance or preparation as defined in European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC, and subsequent directives. See Section 2 for further details.

Chemical Safety Assessment:

The supplier has not conducted a chemical safety assessment for this substance/mixture.

Australian Product Information:

The components of this product are listed in the International Chemical Inventory.

JAPANESE PRODUCT INFORMATION:

Status with Japan's Ministry of International Trade and Industry (MITI):

Status with Japan's Ministry of International Trade and Industry (MITI): The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by Japan's MITI.

INTERNATIONAL CHEMICAL INVENTORIES:

The list of components in each country's chemical inventories is as follows:

Australian Inventory of Chemical Substances (AICS): Listed

Korea's Existing Chemicals List (ECL): Listed

Japan's National Existing Chemicals Inventory (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

U.S. TSCA: Listed



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SECTION XVI - ADDITIONAL INFORMATION

Prepared by: Chris Eigbrett (MSDS for SGA compliance)

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The information contained herein is believed to be accurate, but is not guaranteed to be so. Data and calculations are based on information provided by the product manufacturer and the manufacturers of the product's components. Users are advised to confirm in advance that the information is current, applicable, and appropriate for their specific circumstances of use. This safety data sheet cannot cover all possible situations that the user may encounter during processing. Every aspect of your operation must be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin must be provided to your employees or customers. Lyons Manufacturing assumes no liability for injuries to the purchaser or third parties caused directly by the material if the reasonable safety procedures stipulated in the data sheet are not followed.