

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCTS / IDENTIFICATION OF SUBSTANCE

PRODUCT NAME: Epoxy Flooring Self-Leveling
PRODUCT CODE: Sealbond EFC-80

2. COMPOSITION / INFORMATION ON INGREDIENTS

Reaction Product: Mixture of bisphenol A Epoxy Resin and coating polymers

CHEMICAL	CAS NUMBER	%WEIGHT
EPOXY RESIN	25085-99-8 E	80.5%
PHENYLMETHANOL	100-51-6	3.5%
HEXYLENE GLYCOL	107-41-5	5%
EPOXY POLYYMER	25085-99-8 E	9%
NONYLPHENOL	84852-15-3	2%

3. HAZARDS IDENTIFICATION

Effects of Overexposure – Eye Contact

Moderate Eye Irritant

Effects of Overexposure – Skin Contact

Moderate Skin Irritant. May cause Redness and Swelling in Individuals Allergic to epoxy Resins.

Effects of overexposure – Inhalation

Low Volatility. Product is not expected to be a major inhalation hazard.

Effects of Overexposure – Ingestion

Ingestion may cause Nausea, cramps, vomiting, and Diarrhea. This product has a low order oral Toxicity.

Effects of Overexposure – Chronic Hazards

Allergic reactions may occur in some individuals. Preexisting skin and eye disorders may be aggravated by this product. Preexisting skin or lung Injuries may increase the chance of developing allergy symptoms form exposure to this product. May cause skin sensitization.

Primary route of Entry: Skin contact skin absorption inhalation Ingestion Eye Contact.

4. FIRST AID MEASURES

EYE CONTACT: Hold Open Eye lids and Flush with copious amounts of flowing water for at least 15 minutes. Seek medical attention.

SKIN CONTACT: Wash Affected Areas thoroughly with soap and water. If symptoms persist, seek medical attention

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INHALATION: contaminated clothing and wash thoroughly before reuse. Remove victim to fresh air. If victim is not breathing, Artificial respiration should be administered by qualified personnel.

INGESTION: Do not induce vomiting. Seek medical attention. Never give anything by mouth to an unconscious person. Give victim plenty of water to drink if conscious.

5. FIRE FIGHTING MEASURES

flash point: 231 f
(setaflash closed up)

lower explosive limit: n.a
upper explosive limit: n.a

AUTOIGNITION TEMPERATURE: NE

EXTINGUISHING MEDIA: Alcohol foam Co2 dry chemical foam water fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: Toxic Fumes may be produced if this product is involved in a fire.

SPECIAL FIREFIGHTING PROCEDURES: EVACUATE AREA. Fight Fire from a safe Distance. Wear Self-contained breathing apparatus and full protective Clothing.

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled. Dike area to contain spillage. Absorb excess with sand, earth, or vermiculite. Scrape up and place in suitable container for disposal. Wear all appropriate safety equipment while handling spills.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes and skin. For Industrial use only. Wear appropriate safety equipment when handling.

STORAGE

Do not store near Incompatibles. Do not Store near excessive heat or near sources of Ignition. Keep container tightly closed when not in use.

8. EMPLOYEE PROTECTION

ENGINEERING CONTROLS: General Mechanical Ventilation may be sufficient to minimize vapor concentrations. Local exhaust may be required.

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RESPIRATORY PROTECTION: Wear a properly fitted Niosh/MSHA approved respirator when exposure to mists or vapors is likely. Not required under normal conditions. Considerations must be given to other components of this system. Use respiratory equipment suitable to the most severe component.

SKIN PROTECTION: Impervious Rubber or Neoprene type. Consult glove manufacturer for recommendations

EYE PROTECTION: Safety glasses with side shields recommended as minimum protection. Goggles recommended for individuals mixing the resin and catalyst.

OTHER PROTECTIVE EQUIPMENT: Clean, full body covering to minimize skin contact with material. An eyewash station and safety shower is recommended near work area.

HYGIENIC PRACTICES: Smoking or eating in the work area should not be permitted. Wash thoroughly after handling material. Contaminated clothing must be thoroughly washed before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: N.A.	Vapor Density	: Is heavier than air
ODOR	: Characteristic	Odor Threshold	: NE
APPEARANCE	: Viscous Liq.	Evaporation rate:	Is slower then Ether
SOLUBILITY IN H2O:	Negligible		
FREEZE POINT	: NE	Specific Gravity	: 1.03
VAPOR PRESSURE	: NE		
PHYSICAL STATE	: Liquid		
COEFFICIENT OF WATER/OIL DISTRIBUTION:	NE		
VOC	: 70.3g/L		

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Heat, Flame, Contaminants. Do not mix with Hardener Component and leave unattended. Considerable heat and smoke may evolve creating Hazardous conditions.

INCOMPATIBILITY: Strong Oxidants. Strong Acids. Strong Alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS: Burning will produce toxic fumes. Oxides of carbon. Other Toxic Organic substances may be formed.

HAZARDOUS POLYMERIZATION: Will not occur under normal

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STABILITY: This product is stable under normal storage conditions.

11. TOXICOLOGICAL PROPERTIES

No product or component toxicological information is available.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Do not contaminate ponds, streams, or underground water supply. Prevent from entering sewers.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Follow all relevant local regulations. As manufactured, if this product is discarded, it would not be a hazardous waste as defined by RCRA. Empty drums may contain residue or fumes which are harmful. Do not weld, grind, or use cutting torches on empty drums. Although this product would not be a RCRA Hazardous waste if disposed, landfill disposal may present long term environmental Hazards.

14. TRANSPORT INFORMATION

DOT Proper Shipping Name: Plastic Liquid material, NOI

DOT Technical Name: NA

DOT Hazard Class: Not Regulated Hazard subclass: NA

DOT Un/NA number: NA Packing Group: NA Resp. Guide Page

15. REGULATIONS

Product related hazard information:

The product has been classified and marked in accordance with directives on hazardous materials.

Hazard symbols:

Xi Irritant

N Dangerous for the environment
Hazard-determining components of labelling:
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin
Irritating to eyes and skin.
May cause sensitisation by skin contact.

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Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

Avoid contact with skin and eyes.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer).

Do not empty into drains.

Wear suitable gloves and eye/face protection.

If swallowed, seek medical advice immediately and show this container or label.

If swallowed, rinse mouth with water (only if the person is conscious).

Special labeling of certain preparations:

Contains epoxy constituents. See information supplied by the manufacturer.

Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.