

SAFETY DATA SHEET



Date Prepared : 05/10/2016
MSDS No : INSTANT SET EPOXY-GHS - RESIN
Date-Revised : 12/05/2016
Revision No : 8

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: POWER BOND 90
PART #ET2590

MANUFACTURER

Ecoline Industrial Supply, Inc
PO Box 4236
Chatsworth, CA 91313-4236 - USA
Emergency Contact: CHEMTREC Emergency
Phone: 800-424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Irritation, Category 2
Eye Irritation, Category 2B
Skin sensitisation, Category 1B
Reproductive Toxicity, Category 2

GHS LABEL ELEMENTS

Note: If this product is a consumer product it is labeled in accordance with the Consumer Product Safety Commission regulations and not OSHA regulations. The requirements for the labeling of consumer products take precedence over OSHA labeling so the actual product label will not contain the OSHA label elements shown below on this SDS.



Exclamation
mark



Health
hazard

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H361: Suspected of damaging fertility or the unborn child.

PRECAUTIONARY STATEMENT(S)

Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash skin and hands thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

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P362: Take off contaminated clothing.
 P363: Wash contaminated clothing before reuse.
 P391: Collect spillage.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P313: Get medical advice/attention.
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.

Disposal:

P501: Dispose of in a manner consistent with federal, state, and local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Epoxy resin (Bisphenol A)	90 - 100	25068-38-6

4. FIRST AID MEASURES

EYES: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

SKIN: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms reoccur. Wash clothing before reuse.

INGESTION: If swallowed, do not induce vomiting. Keep individual calm. Get medical attention and show container label.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Causes eye irritation.

SKIN: Irritating to skin. May cause allergic skin reaction with prolonged contact.

SKIN ABSORPTION: This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

INGESTION: May be irritating. Seek medical advice.

INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation.

ACUTE EFFECTS: Slightly irritating to eyes and respiratory tracts.

CHRONIC EFFECTS: Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not Flammable

EXTINGUISHING MEDIA: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

HAZARDOUS COMBUSTION PRODUCTS: Combustion products may include and are not limited to: Carbon monoxide, carbon

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dioxide and phenolics.

FIRE FIGHTING PROCEDURES: Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Contain spilled material if possible. Absorb with materials such as: Sand. Polypropylene fiber products. Polyethylene fiber products. Remove residual with soap and hot water. Collect in suitable and properly labeled containers. Residual can be removed with solvent. Solvents are not recommended for clean-up unless the recommended exposure guidelines and safe handling practices for the specific solvent are followed. Consult appropriate solvent Safety Data Sheet for handling information.

COMMENTS: This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Use with adequate ventilation. Avoid contact with eyes, skin and clothing.

HANDLING: Avoid breathing (dust, vapor, mist, gas). Avoid contact with skin, eyes and clothing. Keep container closed when not in use.

STORAGE: Store in a cool place in original container and protect from sunlight. Keep away from sources of ignition.

STORAGE TEMPERATURE: Ambient room temperature (70F/21C).

LOADING TEMPERATURE: Not Determined

LOADING/UNLOADING VISCOSITY: Not Determined

STORAGE PRESSURE: Not Determined

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

SKIN: Wear rubber gloves to avoid prolonged skin contact.

RESPIRATORY: Use only in a well ventilated area.

PROTECTIVE CLOTHING: Wear rubber gloves & apron.

WORK HYGIENIC PRACTICES: Avoid contact with skin and eyes. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

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PHYSICAL STATE: Viscous liquid.
ODOR: Mild odor.
ODOR THRESHOLD: No data available
APPEARANCE: Light yellow colored viscous liquid.
COLOR: Light yellow.
pH: No data available
PERCENT VOLATILE: No data available
FLASHPOINT AND METHOD: 264°C (507°F) to 268°C (514°F) CC - Closed Cup
AUTOIGNITION TEMPERATURE: No data available
VAPOR PRESSURE: No data available
VAPOR DENSITY: No data available
BOILING POINT: No data available
FREEZING POINT: No data available
MELTING POINT: No data available
POUR POINT: No data available
THERMAL DECOMPOSITION: No data available
SOLUBILITY IN WATER: 5.4 to 8.4 mg/L at 20°C (68°F)
EVAPORATION RATE: No data available
DENSITY: 1.16 g/cm³ at 25°C (77°F)
SPECIFIC GRAVITY: 1.16
VISCOSITY #1: 10000 to 20000 mPa. s. at 25°C (77°F)
MOLECULAR WEIGHT: No data available
(VOC): 0 g/L

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.
STABILITY: Stable
CONDITIONS TO AVOID: Avoid temperatures above (300) F (148) C.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, aldehydes, acids and other organic substances may be formed during combustion (>500F) temperature degradation.
INCOMPATIBLE MATERIALS: Strong acids, oxidizing agents, mineral and organic bases, and especially aliphatic amines.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)
Epoxy resin (Bisphenol A)	> 2000 mg/kg (rat)	> 2000 mg/kg (rat)

DERMAL LD₅₀: 23000 mg/kg (rabbit)

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ORAL LD₅₀: > 15000 mL/kg (rat)

SERIOUS EYE DAMAGE/IRRITATION: Prolonged or repeated skin contact may cause irritation.

RESPIRATORY OR SKIN SENSITISATION: May cause sensitization.

GERM CELL MUTAGENICITY:

In vitro genetic toxicity studies were negative in some cases and positive in other cases. Animal genetic toxicity studies were negative.

CARCINOGENICITY

IARC: Not listed.

NTP: Not listed.

OSHA: Not listed.

REPRODUCTIVE TOXICITY:

In animal studies, did not interfere with reproduction.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Do not flush to sewer.

ECOTOXICOLOGICAL INFORMATION: Rainbow trout LC50, semi-static test, 96 h: 2 mg/L; Water flea EC50, static test, 48 h, immobilization: 1.8 mg/L; Bacteria IC50, 18 h: >42.6 mg/L.

BIOACCUMULATION/ACCUMULATION: Bioconcentration potential is moderate (BCF 100 to 3000 or Log Pow 3 to 5).

Notes: Material is toxic to aquatic organisms (LC50 between 1 and 10 mg/L in the most sensitive species).

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: NOT REGULATED (IP VOL LESS THAN OR EQUAL TO 450.0 L)

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL-A EPOXY RESIN), 9, III (IP VOL GREATER THAN 450.0 L)

AIR (ICAO/IATA)

SHIPPING NAME: ID8000, CONSUMER COMMODITY, 9 (IP VOL LESS THAN OR EQUAL TO 0.5 L); or UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL-A EPOXY RESIN), 9, III (LTD QTY, IP VOL LESS THAN OR EQUAL TO 5.0 L)*

VESSEL (IMO/IMDG)

SHIPPING NAME: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL-A EPOXY RESIN), 9, III (LTD QTY, IP VOL LESS THAN OR EQUAL TO 5.0 L)*

COMMENTS: * This product may be shipped as EXCEPTED QUANTITIES OF CLASS 9, UN3082 (IP VOL LESS THAN OR EQUAL TO 0.03 L, OP VOL LESS THAN OR EQUAL TO 1.0 L)

The transport information provided in this section only applies to the material formulation/itself, and is not specific to any package/configuration. This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organizations to follow all applicable laws, regulations,

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and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

TITLE III NOTES: To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Epoxy resin (Bisphenol A)	25068-38-6

TSCA STATUS: All ingredients in this mixture are in compliance with TSCA.

CALIFORNIA PROPOSITION 65: WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. (Bisphenol A Resin CAS 25068-38-6)

Chemical Name	Wt.%	Listed
Epoxy resin (Bisphenol A)	90 - 100	Female Reproductive

16. OTHER INFORMATION

APPROVED BY: Pacer Technology Regulatory Department

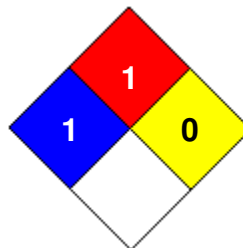
PREPARED BY: Pacer Technology Regulatory Department **Date-Revised:** 12/05/2016

REVISION SUMMARY: This MSDS replaces the 11/07/2016 MSDS. Revised: **Section 2:** . **Section 11:** NTP. **Section 14:** AIR (ICAO/IATA) - SHIPPING NAME COMMENTS, DOT (DEPARTMENT OF TRANSPORTATION) - PROPER SHIPPING NAME VESSEL (IMO/IMDG) (MARINE POLLUTANT #1).

HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	1
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	

NFPA CODES



MANUFACTURER DISCLAIMER:

To the best of our knowledge, the information contained herein is accurate. However, Ecoline Industrial Supply, Inc. does not assume any liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.