

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name Envirotext Lite Resin
Revision date 07-22-2014
Version # 01
CAS # Mixture
Product code 02007, 02007C, 02008, 02008C, 02016, 02016C, 02032, 02032C, 02064, 02064C, 02128, 02128C
MSDS Number 7511940
Product use 2 Part Pour On Epoxy Coating.
Manufacturer/Supplier Environmental Technology, Inc.
300 S. Bay Depot Road
Fields Landing
CA 95537
eti@eti-usa.com
Telephone number 707-443-9323
Contact Person: Technical Director
Emergency CHEMTREC 800-424-9300

2. Hazards Identification

Physical state Liquid.
Appearance Viscous liquid.
Emergency overview WARNING

Causes skin and eye irritation. May cause an allergic skin reaction.

OSHA regulatory status This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

Potential health effects

Routes of exposure

Inhalation. Ingestion. Skin contact. Eye contact.

Eyes

Causes eye irritation. May cause redness and pain.

Skin

Causes skin irritation. May cause allergic skin reaction.

Inhalation

Not relevant at normal room temperatures. When heated, irritating vapors may be formed.

Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting.

Target organs

Eyes. Skin. Gastrointestinal tract. Respiratory system.

Signs and symptoms

Skin irritation. Irritation of eyes and mucous membranes. Sensitization.

Potential environmental effects The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Epoxy Resin	Proprietary	Proprietary
C2 and C14 Alkyl Glycidyl Ethers	Proprietary	Proprietary

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First Aid Measures

First aid procedures

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Continue rinsing. Get medical attention if irritation develops and persists.

Skin contact

Remove and isolate contaminated clothing and shoes. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms persist or occur after washing. In case of allergic reaction or other skin disorders: Seek medical attention and bring along these instructions.

Inhalation

Move to fresh air. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly with water and give large amounts of water to people not unconscious. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Get medical attention if any discomfort occurs.

Notes to physician

Treat symptomatically. Symptoms may be delayed.

General advice

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures**Flammable properties**

The product is not flammable.

Extinguishing media**Suitable extinguishing media**

Use extinguishing agent suitable for type of surrounding fire.

Unsuitable extinguishing media

Water. Do not use water jet as an extinguisher, as this will spread the fire.

Protection of firefighters**Protective equipment and precautions for firefighters**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Move container from fire area if it can be done without risk.

Hazardous combustion products

Carbon oxides.

6. Accidental Release Measures**Personal precautions**

Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions

Avoid discharge into storm drains, water courses or onto the ground.

Methods for cleaning up

Should not be released into the environment.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Prevent product from entering drains. Do not allow material to contaminate ground water system. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. Clean up in accordance with all applicable regulations. This material and its container must be disposed of as hazardous waste.

Other information

Clean up in accordance with all applicable regulations. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

7. Handling and Storage**Handling**

Provide adequate ventilation. Avoid contact with eyes, skin, and clothing. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Observe good industrial hygiene practices.

Storage

Store in tightly closed original container in a dry, cool and well-ventilated place. Store away from incompatible materials.

8. Exposure Controls / Personal Protection**Occupational exposure limits**

No exposure limits noted for ingredient(s).

Exposure guidelines

Use personal protective equipment as required. Keep working clothes separately. No exposure standards allocated.

Engineering controls

Provide adequate ventilation.

Personal protective equipment**Eye / face protection**

Wear splash-proof eye goggles to prevent any possibility of eye contact.

Skin protection

Wear protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Wear appropriate chemical resistant clothing to prevent any possibility of skin contact.

Respiratory protection	No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists. If ventilation is insufficient, suitable respiratory protection must be provided.
General hygiene considerations	Wash at the end of each work shift and before eating, smoking and using the toilet. When using, do not eat, drink or smoke.

9. Physical & Chemical Properties

Appearance	Viscous liquid.
Color	Clear.
Odor	Minimal. Not distinct.
Odor threshold	Not available.
Physical state	Liquid.
Form	Liquid.
pH	Not available.
Melting point	Not available.
Freezing point	Not available.
Boiling point	Not available.
Flash point	> 392 °F (> 200 °C) Seta Closed Cup
Evaporation rate	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	< 1.33 mbar
Vapor density	> 1 (Air=1)
Specific gravity	1.15
Solubility (water)	Slightly soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Percent volatile	0 % (VOC)

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under normal temperature conditions and recommended use.
Conditions to avoid	Avoid incompatible materials and intense heat.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Toxicological data

Components

Bisphenol A/Epichlorohydrin Resin (1675-54-3)

Test Results

Acute Dermal LD50 Rabbit: 20 g/kg

Acute Oral LD50 Mouse: 15600 mg/kg

Acute effects	Preparation contains an epoxy resin, which may cause sensitization and development of allergy.
Local effects	Causes skin and eye irritation.
Sensitization	May cause sensitization by skin contact.
Chronic effects	Prolonged exposure may cause chronic effects.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Bisphenol A/Epichlorohydrin Resin (CAS 1675-54-3) 3 Not classifiable as to carcinogenicity to humans.

Epidemiology	No epidemiological data is available for this product.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive effects	Not classified.
Symptoms and target organs	Skin irritation. Irritation of eyes and mucous membranes. Sensitization.

12. Ecological Information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulation / Accumulation	No data available on bioaccumulation.
Partition coefficient (n-octanol/water)	Not available.
Mobility in environmental media	This substance has very low solubility in water and low mobility in the environment.

13. Disposal Considerations

Waste codes	D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel]
Disposal instructions	Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
Waste from residues / unused products	Do not allow this material to drain into sewers/water supplies. Dispose of in accordance with local regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

TDG

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.
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TSCA Section 12(b) Export Notification(40 CFR 707, Subpt. D)

Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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Section 302 extremely hazardous substance (40 CFR 355, Appendix A)

No

Section 311/312 (40 CFR 370)

No

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)

Not controlled

Canadian regulations

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.

WHMIS status

Controlled

WHMIS classification

D2B - Other Toxic Effects-TOXIC

WHMIS labeling



Inventory status

Country(s) or region

Inventory name

On inventory (yes/no)*

Australia

Australian Inventory of Chemical Substances (AICS)

Yes

Canada

Domestic Substances List (DSL)

Yes

Canada

Non-Domestic Substances List (NDSL)

No

China

Inventory of Existing Chemical Substances in China (IECSC)

Yes

Europe

European Inventory of Existing Commercial Chemical Substances (EINECS)

Yes

Europe

European List of Notified Chemical Substances (ELINCS)

No

Japan

Inventory of Existing and New Chemical Substances (ENCS)

No

Korea

Existing Chemicals List (ECL)

Yes

New Zealand

New Zealand Inventory

Yes

Philippines

Philippine Inventory of Chemicals and Chemical Substances (PICCS)

Yes

United States & Puerto Rico

Toxic Substances Control Act (TSCA) Inventory

Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Mexico regulations

This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

16. Other Information

Further information

HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings

Health: 2
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 2
Flammability: 1
Instability: 0

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.

Issue date

07-22-2014