

SMITH & CO.
5100 CHANNEL AVENUE
RICHMOND, CA 94804
510-237-6842

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME: : **RESTOR-IT FLEXIBLE EPOXY FILLER** **PART B**
FAMILY/CHEMICAL NAME: EPOXIDE
INFOTRAC 24 HOUR EMERGENCY PHONE NO.: 1-800-535-5053
MANUFACTURER: SMITH & CO.
5100 CHANNEL AVENUE, RICHMOND CA 94804
DISTRIBUTOR: BELS/SMITH
P.O. Box 20901 Richmond, CA 94803
510-222-1520

REVISED: 3/17/2009

SECTION 2 - INGREDIENTS

Name	Weight %	CAS #	OSHA TWA	OSHA PEL	OSHA STEL	ACGIH TLV	ACGIH TWA	ACGIH STEL
Bisphenol A Diglycidylether Resin	<50%	25068-38-6	N/A	N/A	N/A	N/A	N/A	N/A
Alpha Pinene Oxide	<50%	1686-14-12	N/A	N/A	N/A	N/A	N/A	N/A
Bisphenol F Diglycidylether Resin	<50%	55492-52-9	N/A	N/A	N/A	N/A	N/A	N/A
Phenylethylene Oxide	<50%	96-09-3	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatic Polyol Polyepoxide	<50%	30499-70-8	N/A	N/A	N/A	N/A	N/A	N/A
Epoxidized Vegetable Oil	<50%	8013-07-8	N/A	N/A	N/A	N/A	N/A	N/A
Neopentyl Glycol Diglycidylether	<50%	17557-23-2	N/A	N/A	N/A	N/A	N/A	N/A
Cyclohexene Oxide	<50%	286-20-4	N/A	N/A	N/A	N/A	N/A	N/A
Epichlorohydrin	<1ppm	106-89-8	2PPM	N/A	N/A	N/A	2PPM	N/A

SUSPECTED CANCER AGENT

NO

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Can cause skin irritation, eye irritation, and allergic skin reaction.

PRIMARY ROUTE OF ENTRY: Dermal

SECTION 4 - FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES-EYES:

Immediately flush eyes with water for at least 15 minutes, lifting upper and lower lids occasionally. Call physician. Get immediate medical attention.

SECTION 5 - FIRE AND EXPLOSION DATA

EMERGENCY AND FIRST AID PROCEDURES-SKIN:

Promptly wash with mild soap and water for at least 15 minutes while removing contaminated clothing and shoes.

EMERGENCY AND FIRST AID PROCEDURES-INGESTION:

If conscious, give large quantities of water. Induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person. Call a physician.

EMERGENCY AND FIRST AID PROCEDURES-INHALATION:

Remove to fresh air. Give oxygen if breathing is difficult.

EMERGENCY AND FIRST AID PROCEDURES-OTHER:

Promptly remove wet contaminated non-impervious clothing. Wash before reuse.

FLASH POINT:

>200°F

EXTINGUISHING MEDIA:

Carbon dioxide, foam, dry chemical, water spray.

FIRE FIGHTING PROCEDURES-SPECIAL:

Use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Decomposition and combustion products may be toxic.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Avoid all personal contact. Take up with absorbent material. Shovel into closable containers. Flush contaminated area with water.

SECTION 7 - HANDLING & STORAGE

SIGNAL WORD: Warning!

PRECAUTIONS: Can cause skin irritation, eye irritation, and allergic skin reaction. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

STORAGE INFORMATION: Store in cool, dry area in sealed containers. Keep containers closed to prevent moisture absorption and contamination.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION:

Good general mechanical ventilation and local exhaust.

PROTECTIVE GLOVES:

Wear impervious gloves, neoprene or rubber.

EYE PROTECTION:

Wear splash-proof chemical goggles or safety spectacles with side shields.

RESPIRATORY PROTECTION:

Use NIOSH approved respirator suitable for organic vapors, if required.

OTHER PROTECTIVE EQUIPMENT:

Wear appropriate equipment to prevent eye or skin contact. Use of barrier cream recommended.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR:

Blue non-flowing gel, mild odor

BOILING POINT:

>200°C

DECOMPOSITION TEMPERATURE:

>200°C

SOLUBILITY IN WATER:

Insoluble

SPECIFIC GRAVITY:

1.17 (H₂O=1)

SECTION 10 - STABILITY & REACTIVITY

STABILITY:

Stable under normal storage conditions.

CONDITIONS TO AVOID:

Elevated temperatures

INCOMPATIBILITY:

Strong oxidizing agents, mineral acids (E.G. H₂SO₄, HCL, HNO₃, HClO₄) and epoxy resins under uncontrolled conditions.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide, Carbon dioxide, Aldehydes.

HAZARDOUS POLYMERIZATION:

Will not occur.

CONDITIONS TO AVOID:

Strong acids or bases in bulk.

SECTION 11 - HEALTH HAZARD DATA

WARNING: HARMFUL IF SWALLOWED. HIGH CONCENTRATION OF VAPORS MAY CAUSE SEVERE IRRITATION OF EYES AND RESPIRATORY TRACT.

PRIMARY ROUTES OF EXPOSURE:

Dermal

ORAL LD50:

(Rats) >5000 mg/kg; slightly toxic

SKIN IRRITATION:

(Rabbits) MODERATE IRRITATION

EYE IRRITATION:

(Rabbits) SLIGHT IRRITATION

SENSITATION:

MODERATE SENSITIZER

OVEREXPOSURE EFFECTS:

Irritation, sensitization and dermatitis.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Allergy, eczema or skin conditions.

SECTION 12 - ECOLOGICAL INFORMATION

BIODEGRADABILITY: (Modified Sturm method): ~13%

FISH TOXICITY:

Rainbow Trout (96hr.): LC50 1.4 mg/l.

Zebra Fish (96hr.): LC50 2.2 mg/l.

INVERTABRATE TOXICITY: Daphnia Toxicity (24 hr.): EC50 3.4 mg/l.

SECTION 13 - DISPOSAL CONSIDERATIONS

SPILL PROCEDURES:

Avoid all personal contact. Take up with absorbent material. Shovel into closable containers. Flush contaminated area with water.

WASTE DISPOSAL METHODS:

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

SECTION 14 - TRANSPORTAION INFORMATION

DOT: Non-Bulk - Not Regulated

IATA: Non-Bulk - Not Regulated

IMDG: Non-Bulk

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.

Technical Shipping Name (If n.o.s.): Bisphenol A epoxy resin

Hazard Class: 9

ID Number: UN 3077

Packing Group: PG III

Label: Miscellaneous

Marine Pollutant: Marine Pollutant

TDG: Non-Bulk - Not Regulated

SECTION 15 - REGULATORY INFORMATION

US Federal Regulations:

Occupational Safety and Health Act (OSHA): This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.

Resource Conservation and Recovery Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261).

SARA Title III: Section 313 Toxic Chemical List (TCL): This product does not contain any chemicals for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).

TSCA Section 8(b) - Inventory Status: All chemical components of this product are in compliance with TSCA inventory requirements.

TSCA Section 12(b) - Export Notification: This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

SECTION 16 - OTHER INFORMATION

DOT CLASS:

Not Regulated

RCRA STATUS:

Not a hazardous waste under RCRA (40 CFR 261).

CERCLA STATUS:

Not listed.

TSCA INVENTORY STATUS:

Chemical components listed on TSCA inventory.

CALIFORNIA STATE PRODUCT LIABILITY WARNING (BUSINESS AND PROFESSIONS CODE, SECTION 1714.45):

This product is inherently unsafe. It cannot be made safe.

Issue date: 07/31/88 Revision: 04/15/2010

FOR FURTHER INFORMATION, PLEASE CONTACT: STEVE SMITH

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.