

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME: **RESTOR-IT ALL WOOD GLUE PART B**
FAMILY/CHEMICAL NAME: EPOXIDE
PRODUCT TYPE: LIQUID RESIN
INFOTRAC 24 HOUR EMERGENCY PHONE NO.: 1-800-535-5053

DISTRIBUTOR: BELS/SMITH
P.O. Box 20901 Richmond, CA 94803
510-222-1520

MANUFACTURER: SMITH & CO.
5100 CHANNEL AVENUE, RICHMOND CA 94804

REVISED: 02/02/2011

SECTION 2 - HAZARDOUS 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:

Clear viscous liquid, 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

SENSITIZATION:

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: 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 3082

Packing Group: PG III

Label: Miscellaneous

Marine Pollutant: Marine Pollutant

IATA: 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 3082

Packing Group: PG III

Label: Miscellaneous

Marine Pollutant: Marine Pollutant

IMDG: 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 3082

Packing Group: PG III

Label: Miscellaneous

Marine Pollutant: Marine Pollutant

TDG: 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 3082

Packing Group: PG III

Label: Miscellaneous

Marine Pollutant: Marine Pollutant

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

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: 02/02/2011

FOR FURTHER INFORMATION, PLEASE CONTACT: JIM BELFORD 510-222-1520

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