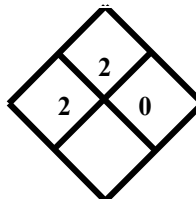


**DISTRIBUTED BY FREEMAN MFG & SUPPLY CO. 800-321-8511**

24-Hour Emergency Phone: 1-888-354-3323

**Effective Date:** 1/20/04**Material Safety Data Sheet**

MSDS No: 6185

**1. PRODUCT IDENTIFICATION****Trade Name:** TDT 177-113 Resin**Chemical Family:** Epoxy

NFPA RATING

<b>Health:</b>	<b>2</b>
<b>Flammability:</b>	<b>2</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	

HMIS RATING

**Intended Use or Product Type:**

Epoxy Paste.

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

O S H A	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				CARCINOGEN STATUS			
			ACGIH		OSHA		MFR.	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
*	2426-08-6	Oxirane, (Butoxymethyl)-  Common Name: Butyl glycidyl ether	25 ppm	NE	50 ppm	NE	PEL-Final Rule 25 ppm	NR	NR	NR
*	25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane Common Name: Bisphenol A diglycidyl ether polymer	NE	NE	NE	NE	NE	NR	NR	NR

\* = OSHA Hazardous Ingredient

**3. HAZARDS IDENTIFICATION****Emergency Overview:** Combustible. Causes skin and eye irritation. May cause allergic skin reaction.**Primary Route(s) of Entry:** Dermal; heated product may produce inhalable vapors.**4. FIRST AID MEASURES****Ingestion:** If conscious, give 2 - 4 glasses of water to drink. Do not induce vomiting. Call a physician.

Effective Date: 1/20/04

**Skin:** Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes.

**Inhalation:** Remove to fresh air. Call a physician.

**Eyes:** Immediately flush eyes with water for at least 15 minutes. Call a physician.

**Overexposure Effects:** Causes skin and eye irritation. May cause allergic skin reaction.

**Medical Conditions Aggravated by Exposure:** Skin and eye conditions.

**Additional Information:** Referral to a physician is recommended if there is any question about the seriousness of any injury.

## **5. FIRE FIGHTING MEASURES**

<b>Flash Point:</b>	155°F (68 °C)
<b>Flash Point Method Used:</b>	Estimated
<b>Flammable Limits in Air (Lower - % by volume):</b>	Not established
<b>Flammable Limits in Air (Upper - % by volume):</b>	Not established

**Fire Fighting Extinguishing Media:** Carbon dioxide, dry chemical, foam, water.

**Fire Fighting Equipment:** Use self-contained breathing apparatus.

**Fire and Explosion Hazards:** Decomposition and combustion products may be toxic.

## **6. ACCIDENTAL RELEASE MEASURES**

**Accidental Release Measures:** Remove spillage by absorbing in absorbent material.

## **7. HANDLING AND STORAGE**

**Signal Word:** Warning!

**Precautions:** Combustible. Keep away from heat and flame. Can cause skin irritation, eye irritation, and allergic skin reaction. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

**Other Handling Information:** Nuisance dust may be generated when sanding or sawing cured material.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Skin Protection:** Wear impermeable gloves.

**Respiratory Protection:** Use NIOSH approved organic vapor cartridge respirator when vapor/mist exposure is likely.

**Eye Protection:** Wear splash-proof chemical goggles.

**Engineering Controls:** General mechanical and local exhaust in accordance with ACGIH recommendations.

Effective Date: 1/20/04

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Color:</b>	Light Brown
<b>Odor:</b>	Slight Ethereal
<b>Physical State:</b>	Paste
<b>Solubility in Water:</b>	Insoluble
<b>Specific Gravity:</b>	0.9 (water = 1)
<b>Boiling Point:</b>	Not Determined
<b>Evaporation Rate:</b>	Not Determined
<b>Vapor Density:</b>	Not Determined
<b>VOC:</b>	6.873 Lbs/Gallon
<b>pH:</b>	Not Determined

**Percent Volatile:** Negligible.

**10. STABILITY AND REACTIVITY**

**Conditions to Avoid:** Excessive heat for prolonged periods of time.

**Stability:** Stable.

**Incompatibility:** Strong oxidizers, acids and bases.

**Hazardous Decomposition Products:** Combustion may form toxic materials, such as carbon dioxide, carbon monoxide.

**Hazardous Polymerization:** Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**Sensitization:** Possible in susceptible individuals.

**Skin Irritation:** Irritant.

**Eye Irritation:** Irritant.

**12. ECOLOGICAL INFORMATION****13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Consult qualified local or corporate personnel for method that will comply with local, state and federal health and environmental regulations.

**14. TRANSPORT INFORMATION**

**DOT: Non-Bulk**

**Proper Shipping Name:**

Resin compounds, N.O.I.

Effective Date: 1/20/04

**Department of Transportation:** Not regulated as a hazardous material by the U.S. Dept. of Transportation (DOT) 49 CFR 172.101 hazardous materials table.

## 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:** Chemical components listed on TSCA Inventory.

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

### State Regulations:

**California Proposition 65:** The following is required composition information. This product contains the following chemical(s) which are currently listed on the California list of Known Carcinogens and Reproductive Toxins:

Chemical Name: Quartz (SiO<sub>2</sub>)

Common Name: Crystalline silica

CAS Number: 14808-60-7

Percent in Composition: 0.054 % by wt

Comment: Warning! This chemical is known to the State of California to cause cancer.

Chemical Name: Formaldehyde

Common Name: Formaldehyde

CAS Number: 50-00-0

Percent in Composition: 0.0001 % by wt

Comment: Warning! This chemical is known to the State of California to cause cancer.

**Pennsylvania Right-to-Know:** The following is required composition information:

Chemical Name: Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane

Common Name: Bisphenol A Diglycidyl Ether Polymer

CAS Number: 25068-38-6

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Phenol, polymer with formaldehyde

Common Name: Phenol Novolac Resin

CAS Number: 9003-35-4

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Talc

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**Effective Date:** 1/20/04

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Common Name: Talc  
CAS Number: 14807-96-6  
Comment: Hazardous Substance

Chemical Name: Rheological Additive  
CAS Number: Confidential  
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Oxirane, (butoxymethyl)-  
Common Name: Butyl glycidyl ether  
CAS Number: 2426-08-6  
Comment: Hazardous Substance

## **16. OTHER INFORMATION**

<b>MSDS No:</b>	6185
<b>Approved By:</b>	Kenneth L. Payne
<b>Title:</b>	E,H&S Manager

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