

# MATERIAL SAFETY DATA SHEET

## Product Identity

# Plug-n-Wrap Tape

## SECTION I

WrapMaster, Inc.

903/643-8080

**Mail Address:**

2701 State Hwy. 322, Longview, TX 75603

**Telephone Number for Information:**

903/643-8080

**Physical Address:**

2701 State Hwy. 322, Longview, TX 75603

**Last Date Revised:**

February 17, 2000

## SECTION II - Hazardous Ingredients/Identity Information

Ingredients	C.A.S.	%	Exposure Limits	Ref.
polypropylene polyol diphenyl methane di-isocyanate prepolymer	9048-57-1	34.4	N/A	5
methylene bisphenyl isocyanate (MDI)	101-68-8	7.4	0.051 mg/m <sup>3</sup>	2
silicone	--	trace	N/A	5
synthetic rubber	--	4.7	N/A	5
aluminum foil pouch	--	4.7	N/A	5
fibreglass knit fabric	--	46.4	10 mg/m <sup>3</sup>	2
polyethylene core	--	2.4	N/A	5

**References for Exposure Limit Data:**

1. Federal OSHA Permissible Exposure Limit
2. ACGIH Threshold Limit Values
3. NIOSH Exposure Limit Values
4. Chemical Manufacturers Recommended Guidelines
5. None Established (N/A = Not Applicable)

## SECTION III - Physical/Chemical Characteristics

Boiling Point:	N/A	Specific Gravity:	1.23 @ 110 Degrees F (prepolymer)
Vapor Pressure (MM HG.):	N/A	Melting Point:	N/A
Vapor Density (AIR=1):	N/A	Evaporation Rate	
Solubility in Water:	Nil	(Butyl Acetate = 1)	N/A
Appearance and Odor:	very slight odor; white to yellowish, tacky resin on a fiberglass roll		

## SECTION IV - Fire and Explosion Data

Flash Point (Method Used):	ASTM D-93 (closed cup) >350°F; nil for cured product
Flammable Limits	Nil; N/A
LEL:	N/A
UEL:	N/A
Extinguishing Media:	H <sub>2</sub> O spray, foam, CO <sub>2</sub> , dry chemicals or foam
Special Fire Fighting Procedures:	Keep undamaged product cool with H <sub>2</sub> O fog while fighting fire. Firefighters to wear self-contained breathing apparatus and full protective clothing.
Unusual Fire and Explosive Hazards:	None

**Conditions to Avoid:**

Polymerization may occur if material is heated for long periods. Contamination by moisture or materials that react with isocyanates may cause pressure build-up.

**Incompatibility (Materials to Avoid):**

None.

**Hazardous Decomposition or Byproducts:**

None.

**Polymerization:**

May occur.

**Conditions to Avoid:**

Excessive moisture and/or heat; store in cool, dry conditions.

**Route(s) of Entry:**

**Inhalation?** Avoid breathing dust from cutting cured product. A vacuum saw is recommended.

**Skin?** Wash thoroughly with soap and water.

**Ingestion?** Drink plenty of water. Consult physician. Do not induce vomiting.

**Health Hazards:**

When water is added to product at temperatures greater than 122°F, part of the resin may be liberated in the form of MDI fume. It is suggested that at 21°C the MDI will not be liberated.

**Carcinogenicity:**

NTP? N/A

IARC Monographs? N/A

OSHA Regulated? N/A

**Signs and Symptoms of Exposure:**

**Eyes:** irritation

**Skin:** minor irritation

**Medical Conditions Aggravated by Exposure:**

Open cuts or abrasions or rashes on skin.

**Emergency and First Aid Procedures:**

For inhalation, provide fresh air. For skin, wash thoroughly with soap and water. For eyes, wash immediately with plenty of water for at least 15 minutes and consult physician.

**Section VII - Precautions for Safe Handling and Use**

**Steps to be Taken in Case Material is Released or Spilled:**

If package splits or breaks, ensure ventilation is adequate to prevent build up of potentially harmful vapors. Scrape up material and place into labeled sealable container for disposal. Decontaminate area and equipment with dilute ammonia and detergent. Mix additional absorbent into spill and dispose.

**Waste and Disposal Method:**

Solid waste landfill or authorized incineration.

**Precautions to be Taken in Handling and Storing:**

Store in a cool, dry, well ventilated area out of direct sunlight. Store away from all heat sources. Optimum storage conditions 40°-83°F. For best results, rotate stock.

**Other Precautions:**

Removal of Plug-n-Wrap with oscillating saws without adequate ventilation will potentially cause irritant dusts to be generated into atmosphere. The use of shears is recommended to remove Plug-n-Wrap from pipes so as to minimize dust formation.

**Section VII - Control Measures**

**Respiratory Protection (Specify Type):**

Special Fire-fighting Procedures: Wear self-contained breathing apparatus.

**Ventilation:**

Local Exhaust:

N/A

Special:

N/A

Mechanical (General)

N/A

Other:

N/A

**Protective Gloves:** yes

**Other Protective Clothing or Equipment:** Plug-n-Wrap will adhere to clothing.

**Work/Hygienic Practices:** Wear gloves while handling uncured product. Avoid eye and skin contact.

# EPOXY PUTTY

## Two-in-One Epoxy Putty Stick

### Material Safety Data Sheet

#### SECTION I - Product Identification

Product Name: Epoxy Putty  
 Product Type: Epoxy Adhesive

#### SECTION II - Hazardous Ingredients/Identity Information

<u>Hazardous Components:</u>	<u>Approx. %</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits Recommended</u>
2,4,6 - Tri (methyl aminomethyl) phenol (CAS 90-72-2)	---	-----	-----	-----
Epoxy Resin (CAS 25068-38-6)	---	-----	-----	LD50 (Oral Rat) 19.8 g/kg
Mercaptan Terminated Polymer (CAS unknown)	---	-----	-----	LD50 (Dermal Rabbit) > 10.2 g/kg

#### SPECIAL HAZARD DESIGNATIONS

DOT (49CFR172):	N/A			
OSHA (29CFR1910.1200) Evaluation:	Hazardous			<u>HMIS</u> <u>NFPA</u>
RCRA (40CFR261) Evaluation:	Non-Hazardous	<b>Health:</b>	2	2
EPA/TSCA Listed Ingredients:	Yes	<b>Flammability:</b>	0	0
SARA Listed Ingredients:	None	<b>Reactivity:</b>	0	0

KEY: 0 – Minimal    1 – Slight    2 – Moderate    3 – Serious    4 – Severe

#### SECTION III – Physical/Chemical Characteristics

Boiling Point:	N/D	Specific Gravity (H <sub>2</sub> O = 1):	1.9
Vapor Pressure (mm Hg.):	N/D	Melting Point:	N/D
Vapor Density (AIR = 1):	N/D	Evaporation Rate (Ethyl Acetate=1):	N/D
Solubility in Water:	Negligible	Appearance/Odor:	Grey or White Semi-Solid/Slight Mercaptan Odor

#### SECTION IV – Fire and Explosion Hazard Data

Flash Point (Method Used):	N/A
Extinguishing Media:	Water spray, foam, CO <sub>2</sub> , dry chemical
Special Fire Fighting Procedures:	Wear SCBA and protective clothing.
Unusual Fire and Explosion Hazards:	May generate toxic or irritating fumes
Flammability Limits –	LEL: N/A    UEL: N/A

#### SECTION V – Reactivity Data

Stability:	Stable
Conditions to Avoid:	None
Incompatibility (Materials to Avoid):	Oxidizers
Hazardous Decomposition Products:	Aldehydes, acids, CO, Sulfur Oxides
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	None

# MSDS

## SECTION VI – Health Hazard Data

**Route(s) of Entry:** Inhalation: N/A    **Skin:** Yes    **Ingestion:** Yes  
**Health Hazards (Acute and Chronic):** Prolonged skin or eye exposure may cause irritation and/or sensitivity.  
**Carcinogenicity:** NTP: NO    **IARC Monographs:** NO    **OSHA Regulated:** No

### **Signs and Symptoms of Exposure:**

**Eyes:** Severe irritation  
**Inhalation:** N/A  
**Ingestion:** Nausea  
**Skin:** Severe irritation

**Medical Conditions Generally Aggravated by Exposure:** N/A

### **Emergency and First Aid Procedures:**

**Eyes:** Flush with large amounts of water for 15 minutes. Seek medical attention.  
**Inhalation:** N/A  
**Ingestion:** Give large amounts of water. Induce vomiting. If unconscious, do not give anything by mouth or induce vomiting. Seek medical attention.  
**Skin:** Wash with soap and water. If irritation persists, seek medical attention.

## SECTION VII – Precautions for Safe Handling and Use

**Steps to be Taken in Case Material is Released or Spilled:** Pick up spilled paste to prevent disposal in sewers, waterways, or soil. Wear polyethylene gloves.

**Waste Disposal Method:** Collect and dispose of as non-hazardous in accordance with all local, state, and federal regulations.

**Precautions to be Taken in Handling and Storing:** Keep container closed when not in use. Do not store near heat, sparks or open flame.

**Other Precautions:** Keep out of reach of children.

## SECTION VIII – Control Measures

**Respiratory Protection (Specify Type):** None  
**Ventilation – Local Exhaust:** Acceptable    **Special:** N/A  
**Mechanical (General):** N/A    **Other:** N/A  
**Protective Gloves:** Polyethylene  
**Eye Protection:** Safety Glasses  
**Other Protective Clothing or Equipment:** N/A  
**Work/Hygienic Practices:** Wash thoroughly before eating, drinking, smoking, or leaving work area.

This document is prepared pursuant to the OSHA Hazard Communication Standard (29CFR1910.1200). The Information herein is given in good faith, but no warranty, express or implied, is made.

ABBREVIATIONS:    N/A: Not Applicable    N/D: Not Determined