

# MATERIAL SAFETY DATA SHEET

Products Distributed By:  
Advantage Chemical Corp.  
316 Duckpond Drive  
Wantagh, NY 11793  
(800) 203-9711 Fax (516) 409-9032

## SECTION I: PRODUCT NAME

#10-22 EPOXY 3 COMPONENT PATCH MIX A  
#10-33 EPOXY LIQUIDS  
#10-33G GEL MIX A  
#10-33LT EPOXY LOW TEMPERATURE MIX A  
#10-33CR EPOXY CHEMICAL RESISTANT PATCH MIX A  
#10-33MP METAL PATCH  
#20-44 EPOXY TANK LINING MIX A

## SECTION II: HAZARDOUS INGREDIENTS

INGREDIENT	NTP/IARC/ OSHA CARC.	PERCENT	OSHA PEL PPM	NIOSH CEILING PPM	ACGIH TLV PPM	LEL PERCENT	VAPOR PRESSURE
Epoxy Resin CAS #25068-36-6	No	100	< ----- UNKNOWN----->			N.A.	N.A.

N.A. – Not Available/Not Applicable

## SECTION III: PHYSICAL DATA

BOILING RANGE	N.A.
VAPOR DENSITY	Heavier than air
EVAPORATION RATE	Slower than ether
PERCENT VOLITILE BY VOLUME	<1
WEIGHT PER GALLON	9.7 lbs.

## SECTION IV: FIRE AND EXPLOSION DATA

DOT CATEGORY: Not Regulated  
FLASH POINT: >200°F  
LEL: N.A.

EXTINGUISHING MEDIA: Regular foam, carbon dioxide or dry chemical

SPECIAL FIREFIGHTING PROCEDURES: Self-contained breathing apparatus with full face piece operated in positive pressure mode.

UNUSUAL FIRE & EXPLOSION HAZARDS: None

HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic materials – carbon dioxide and carbon monoxide, various hydrocarbons, etc.

TARGET ORGAN INFORMATION: Skin

REPORTABLE SPILL INFORMATION: Not Reportable.

## **SECTION V: HEALTH HAZARD DATA**

### **EFFECTS OF OVEREXPOSURE:**

Eyes: Can cause severe irritation, redness, tearing, blurred vision.

Skin: Can cause moderate irritation, defatting, dermatitis.

Inhalation: Can cause nausea and headache unconsciousness, and even asphyxiation

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumoconiosis which can be fatal.

### **FIRST AID:**

Flush with large amounts of water, lifting upper and lower lids occasionally. Consult a physician.

Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

Remove individual to fresh air. If breathing has stopped, Possible give artificial respiration. Keep person warm, quiet and consult a physician.

Do not induce vomiting, keep person warm, quiet and consult a physician.

## **SECTION VI: REACTIVITY DATA**

HAZARDOUS POLYMERIZATION: Cannot occur.

STABILITY: Stable

INCOMPATIBILITY: Avoid contact with strong oxidizing agents (e.g. nitric acid, permanganates, etc.)

## **SECTION VII: SPILL OR LEAK PROCEDURES**

### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Small Spill: Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material and transfer to ventilated closure.

Large Spill: Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks, etc.) Persons not wearing protective equipment should be excluded from area of spill. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

Waste Disposal Method: Dispose of in accordance with local, state, and federal regulations.

## **SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection: If TLV of the product is exceeded, a NIOSH/MEAS jointly approved self-contained breathing apparatus with full face piece operated in positive pressure mode or other NIOSH/MEAS respirators under specified conditions.

Ventilation: Provide sufficient mechanical (general) and/or local exhaust ventilation to maintain exposure below TLV's.

Protective Gloves: Wear resistant gloves like Buna-N.

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses.

Other Protective Equipment: To prevent repeated or prolonged skin contact wear impervious clothing and boots.

## **SECTION IX: SPECIAL PRECAUTIONS**

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this data sheet must be observed. Keep out of reach of children.

Recommendations for the use of this product are based on reliable tests. No guarantee of results are implied where conditions are beyond our control. Under no circumstances or conditions, either expressed or implied, will Topaz Industries, Inc. be liable for damages in excess of the purchase price of this product. Keep out of reach of children. For Commercial, Industrial or Professional Use Only.

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## SECTION I: PRODUCT NAME

TUFF COTE HB MIX B  
#10-22 PERMACRETE MIX B  
#10-33 PERMACRETE MIX B

## SECTION II: HAZARDOUS INGREDIENTS

INGREDIENT	NTP/IARC/ OSHA CARC.	PERCENT	TLV		LEL	VAPOR PRESSURE
			PPM	mg/M <sup>3</sup>		
Isophorone Diamine CAS #2855-13-2	No	44.0	ND	-----	ND	0.02 mm/Hg
Banzyl Alcohol CAS #100516	No	45.0	ND	-----	ND	0.1 mm/Hg
Reaction Products of: Epichlorohydrin and Bisphenol A CAS #25085-99-8	No	6.0	ND	-----	ND	NA
Alkyl Glycidyl Ether	No	1.0	ND	-----	ND	NA

## SECTION III: PHYSICAL DATA

BOILING RANGE	400 <sup>0</sup> F
VAPOR DENSITY	Heavier than air
EVAPORATION RATE	Slower than ether
PERCENT VOLITILE BY VOLUME	1% max.
WEIGHT PER GALLON	8.3 lbs.

## SECTION IV: FIRE AND EXPLOSION DATA

DOT CATEGORY: Combustible  
FLASH POINT: 230<sup>0</sup>F  
LEL: ND

EXTINGUISHING MEDIA: Regular foam, carbon dioxide or dry chemical

SPECIAL FIREFIGHTING PROCEDURES: Self-contained breathing apparatus with full face piece operated in pressure demand or other positive pressure mode.

UNUSUAL FIRE & EXPLOSION HAZARDS: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

#### **SECTION IV: FIRE AND EXPLOSION DATA - Continued**

HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic materials – carbon dioxide and carbon monoxide, nitrogen oxides, etc.

#### **SECTION V: HEALTH HAZARD DATA**

##### **EFFECTS OF OVEREXPOSURE:**

Eyes: Can cause severe irritation, redness, tearing, blurred vision, burns.

Skin: Can cause severe irritation, defatting, Dermatitis, burns.

Inhalation: Can cause nausea and headache, possible unconsciousness. In severe cases respiratory stimulation is followed by respiratory And muscular paralysis, convulsions and narcosis.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

##### **FIRST AID:**

Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention.

Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

Remove individual to fresh air. If breathing has stopped, Possible give artificial respiration. Keep person warm, quiet and get medical attention.

Do not induce vomiting, keep person warm, quiet and get medical attention.

#### **SECTION VI: REACTIVITY DATA**

HAZARDOUS POLYMERIZATION: Cannot occur.

STABILITY: Stable

INCOMPATIBILITY: Avoid contact with strong oxidizing agents (e.g. nitric acid, permanganates, etc.)

#### **SECTION VII: SPILL OR LEAK PROCEDURES**

##### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

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Large Spill: Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

Waste Disposal Method: Dispose of in accordance with local, state, and federal regulations.

#### **SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection: If TLV of the product is exceeded, a NIOSH/MEAS jointly approved self-contained breathing apparatus with full face piece operated in pressure demand or other positive NIOSH/MEAS respirators under specified conditions. (see your safety equipment supplier)

Ventilation: Provide sufficient mechanical (general) and/or local exhaust ventilation to maintain exposure below TLV's.

Protective Gloves: Wear resistant gloves like Buna-N.

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses.

Other Protective Equipment: To prevent repeated or prolonged skin contact wear impervious clothing and boots.

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Recommendations for the use of this product are based on reliable tests. No guarantee of results are implied where conditions are beyond our control. Under no circumstances or conditions, either expressed or implied, will Topaz Industries, Inc. be liable for damages in excess of the purchase price of this product. Keep out of reach of children. For Commercial, Industrial or Professional Use Only.