# MATERIAL SAFETY DATA SHEET

#### **EPOXY WELDKIT / BUTT-WRAP KIT PART B**

## I. 24-HOUR EMERGENCY CONTACT INFORMATION

 CHEM-TEL
 United States
 800-255-3924

 International
 813-248-0585

## II. HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Component Identification	CASRN	OSHA PEL	ACGIH TLV	% (by weight)
Amine Mixture	Proprietary	None Esta	blished	100

# III. PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	> 572°F (300°C)
Melting Point	Not Determined
Vapor Pressure	Not Determined
Vapor Density (Air = 1)	
Specific Gravity (Water = 1)	
Evaporation Rate (butyl acetate = 1)	Not Determined
pH	Not Determined, Corrosive
Appearance and Odor	Amber Liquid, Irritating Odor
Odor Threshold	

# IV. FIRE and EXPLOSION HAZARDS

Flash Point	>200°F (93°C), Pensky-Martens Closed Cup
Autoignition Temperature	Not Determined
LEL / UEL	Not Determined
Extinguishing Media	
NFPA Ratings	Health (3) – Flammability (1) – Reactivity (1)

<u>Special Firefighting Procedures</u>: Do not direct a solid stream of water into hot burning polls, this may cause frothing and increase fire intensity. Use self-contained breathing apparatus and protective clothing.

Fire and Explosion Hazards: During a fire, oxides of nitrogen may be produced.

# V. REACTIVITY DATA

Stability	Stable
	Will not occur
	Do not mix with nirates or other nitrosating agents
Incompatibilities	Oxidizes
Hazardous Decomposition Products	NO <sub>x</sub> , CO and CO <sub>2</sub>



#### VI. HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation	Yes
	Skin	Yes
	Ingestion	Not Expected

Acute (Short-Term) Health Effects: Product vapor in low concentrations can cause lacrimation, conjunctivitis, and corneal edema when absorbed into the tissue of the eye from the atmosphere. Corneal edema may give rise to a perception of "blue haze" or "blue fog" around lights. This result is transient and has no known residual effect. Burns of the eye may cause blindness. Contact of undiluted product with eyes or skin quickly causes severe irritation and pain and may cause burns, necrosis, or permanent injury. Inhalation of vapors may severely damage contacted tissue and produce scarring. Inhalation of aerosols and mists may severely damage contacted tissue and produce scarring. Product is absorbed through the skin and may cause nausea, headache, and general discomfort.

<u>Chronic (Long-Term) Health Effects:</u> Product may cause cancer after repeated exposure. Repeated and/or prolonged exposure may cause allergic reaction/sensitization. Repeated and/or prolonged exposure may result in liver disorders, respiratory effects, adverse eye effects, and adverse skin effects. Effects from inhalation of vapors may be delayed. Repeated and/or prolonged exposure to low concentrations of vapor may cause sore throat that is transient.

<u>Carcinogenicity</u>: None of the chemicals in this product are classified as known of potential human carcinogens by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), or OSHA.

Signs and Symptoms of Exposure: Signs and symptoms following exposure may include irritation and burning sensation to eyes, skin, and respiratory tract (if inhaled). Nausea, headache, and general discomfort may follow skin absorption.

Medical Conditions Generally Aggravated by Exposure: Asthma, chronic respiratory diseases, eye diseases, liver disorders, and skin disorders and allergies.

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

Inhalation: Remove to fresh air if exposure symptoms develop and seek medical attention.

Skin Contact: Gently wash all affected skin areas thoroughly with water soap and water while removing contaminated

clothing. If irritation persists or burning sensation is evident, seek medical attention.

Eye Contact: Flush eyes with water for 20 to 30 minutes. Obtain prompt medical attention, preferably from an

ophthalmologist.

Ingestion: Not expected under normal use conditions. However, if ingestion does occur, do not induce vomiting. Give

large amounts of water or milk and seek medical attention.

HMIS Ratings......Health (3) – Flammability (1) – Reactivity (1)

## VII. PRECAUTIONS FOR SAFE HANDLING and USE

Steps to be Taken in Case Material is Released or Spill: Due to the relatively small end-use container sizes, significant spills are unlikely. However, if a spill does occur, collect and place into a suitable container for disposal. Do not allow spilled materials to enter storm sewers, sanitary sewers, or impact ground water.

Waste Disposal Method: Disposal must be in accordance with applicable laws.

<u>Precautions to be Taken in Handling and Storage:</u> Copper and copper alloys should not be used for storage as the product may quickly corrode them.

#### VIII. CONTROL MEASURES

Respiratory Protection: None typically required for normal use. Self-contained breathing apparatus may be needed if product is used in a confined or poorly ventilated area.

Ventilation: A system of local and/or general exhaust is recommended.

Hand Protection: Gloves impervious to this material should be worn.

Eye Protection: ANSI-approved safety glasses with side shields or chemical goggles.

Other: Such clothing as to minimize or eliminate skin contact.

# IX. REGULATORY INFORMATION (Not meant to be all-inclusive)

Hazardous Materials Transportation Act (HMTA)

When offered alone, this material should be classified as follows:

Proper Shipping Name	Amines, Liquid, Corrosive, n.o.s., Mixture
	(4,4'-Methylenebicyclohexanamine)
Hazard Class	
	UN2735
Packing Group	
0 1	

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

This produce contains the following CERCLA Section 102(a) hazardous substance(s) as listed in 40 CFR 302.4:

Identity	CASRN	% (by weight)	Reportable Quantity (RQ)
None			

Superfund Amendment and Reauthorization Act (SARA)

This product contains the following SARA Title III Section 302 extremely hazardous substance(s) as listed in 40 CFR Part 355:

Identity	CASRN	% (by weight)
None		

SARA Title III Section 311/312 hazardous categorization:

This product has been reviewed according to the EPA hazard categories promulgated under SARA Tile III Section 311 and 312 and is considered to meet the following hazard categories:

- An immediate (acute) health hazard
- A delayed (chronic) health hazard

This product contains the following SARA Title III Section 313 toxic substance(s) as listed in 40 CFR Part 372:

Identity	CASRN	% (by weight)
None		

## Toxic Substances Control Act (TSCA)

All ingredients are on the TSCA inventory or are not required to be on the inventory.

## **CATALYST / HARDENER INDEX**

The material described in the MSDS is intended for use with the following:

# EPOXY WELDKIT / BUTT-WRAP KIT PART A

Review literature supplied with product or contact NOV Fiber Glass Systems for proper mixing ratios.

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