

ITW Permatex Canada  
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## Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

### I. PRODUCT IDENTIFICATION

**Product Name:** MB-1 MUFFLER & TAILPIPE BANDAGE KT CG  
**Item No:** 80331  
**Product Type:** Impregnated bandage

### II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
FIBERGLASS YARN 65997-17-3	55-65	not available	not available	
BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY RESIN 25068-38-6	30-40	11400 mg/kg	not available	
METHYL ETHYL KETONE (BUTANONE) 78-93-3	<3	2737 mg/kg	32 g/m <sup>3</sup> (4H)	200 ppm

### III. PHYSICAL DATA

**Physical State/Appearance:** Clear to yellow coated fiberglass  
**Odour & Odour Threshold:** Ketone odour  
**Specific Gravity:** Does not apply  
**Evaporation Rate:** Does not apply  
**Vapour Pressure:** None  
**Vapour Density:** Not determined  
**Freezing Point:** Does not apply  
**pH:** Does not apply  
**Octanol/Water Coefficient:** Not determined  
**Boiling Point:** Not applicable

### IV. FIRE AND EXPLOSIVE DATA

**Recommended Extinguishing Media:** Carbon dioxide, Dry chemical, Foam  
**Hazardous Combustion Products:** Oxides of carbon, Ketones  
**Sensitivity to Static Discharge:** Sensitivity to static discharge is not expected  
**Conditions of Flammability:** During a fire, irritating and toxic gases may be generated during combustion or decomposition.  
**Flash Point/Range:** Concentrated vapors may be ignitable  
**Autoignition Temperature:** Not determined  
**Upper Explosive Limit:** 10.0%  
**Lower Explosive Limit:** 1.8

### V. REACTIVITY DATA

**Conditions Causing Chemical Instability:** Stable under normal conditions of use  
**Materials to avoid:** Strong oxidizers, Reducing agents  
**Conditions of Reactivity:** High temperatures.  
**Hazardous Decomposition Products:** Carbon oxides, Ketones

### VI. HAZARDS IDENTIFICATION

**Primary Routes of Exposure:** Eye and skin contact, ingestion, inhalation  
**Existing Conditions Aggravated by Exposure:** Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected  
**Toxicity Information:** (See Effects of Acute Exposure to Product)  
**Effects of Acute Exposure:** Harmful if swallowed. May cause eye and skin irritation.  
**Effects of Chronic Exposure:** Overexposure to methyl ethyl ketone and n-hexane may cause peripheral nerve damage (that of arms and legs) and result in muscular weakness and loss of sensation.

## **VI. HAZARDS IDENTIFICATION**

**Irritancy of Product:** Eyes: Exposure to liquid or vapor causes mild eye irritation. Symptoms may include burning, tearing, redness, stinging, blurred vision and corneal injury. May cause gastrointestinal irritation, central nervous system depression.

**Sensitization to Product:** (See Effects of Acute Exposure to Product)

**Carcinogenicity:** (See Effects of Chronic Exposure to Product)

**Reproductive Toxicity:** (See Effects of Chronic Exposure to Product)

**Teratogenicity:** (See Effects of Chronic Exposure to Product)

**Mutagenicity:** (See Effects of Chronic Exposure to Product)

**Toxicologically Synergistic Products:** None known

**WHMIS Hazard Class:** D2B TOXIC MATERIALS

## **VII. PREVENTATIVE MEASURES**

**Personal Protection**

**Eyes:** Safety glasses.

**Skin:** Neoprene or nitrile gloves recommended.

**Ventilation:** General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.

**Engineering Controls:** In case of insufficient ventilation, wear an organic vapor respirator.

**Spill Procedures:** Eliminate all sources of ignition. Reclaim clean material. Contaminated material should be swept or shoveled into appropriate waste container for proper disposal.

**Protection of Man and Environment:** Follow Canadian and local regulations for disposal.

**Handling Procedures and Equipment:** Store in a dry area below 35°C.

**Special Handling Information:** Avoid contact with eyes. Do not take internally. Do not use for prolonged periods in confined area without adequate ventilation.

## **VIII. FIRST AID MEASURES**

**Ingestion:** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed.

**Skin Contact:** Wash with soap and water. If skin irritation persists, call a physician. Remove contaminated clothing and launder before reuse.

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

## **IX. SHIPPING INFORMATION**

### **Canadian Transportation of Dangerous Goods**

**Proper Shipping Name:** Not regulated  
**Hazard Class:** None  
**UN/ID No:** None

### **IATA (Air)**

**Proper Shipping Name:** Not regulated  
**Class or Division:** None  
**UN/ID Number:** None

### **IMDG (Vessel)**

**Proper Shipping Name:** Not regulated  
**Hazard Class:** None  
**UN Number:** None

## **X. PREPARATION INFORMATION**

**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 2, PHYSICAL HAZARD 0  
HMIS is a registered trademark of the National Paint and Coatings Association

**Estimated NFPA Rating:** HEALTH 2, FLAMMABILITY 2, REACTIVITY 1  
(NFPA is a registered trademark of the National Fire Protection Association)

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