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## Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

### I. PRODUCT IDENTIFICATION

Product Name: 21425 FAST CURE EPOXY PART 1  
Item No: 150345E  
Product Type: Epoxy

### II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY RESIN 25068-38-6	30-60	11400 mg/kg	not available	
ALUMINUM HYDROXIDE 21645-51-2	40-50	>5000 mg/kg	not available	10 mg/m <sup>3</sup> TWA (dust)
TITANIUM DIOXIDE 13463-67-7	<7	>10000 mg/kg	not available	10 mg/m <sup>3</sup>
EPOXY RESIN 28906-96-9	<3	not available	not available	

### III. PHYSICAL DATA

Physical State/Appearance: Black liquid  
Odour & Odour Threshold: Slight odour  
Specific Gravity: 1.53  
Evaporation Rate: <1 (butyl acetate = 1)  
Vapour Pressure: 0.03 mmHg @ 80°C  
Vapour Density: >1 (air =1)  
Freezing Point: Not determined  
pH: Neutral  
Octanol/Water Coefficient: Not determined  
Boiling Point: >260°C

### IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.  
Hazardous Combustion Products: Oxides of carbon, Irritating organic vapours.  
Sensitivity to Static Discharge: Sensitivity to static discharge is not expected.  
Conditions of Flammability: Heating above 150C in the presence of air may cause slow oxidative decomposition and above 260C may cause polymerization.  
Flash Point/Range: >200°C PMCC  
Autoignition Temperature: Not determined  
Upper Explosive Limit: Not determined  
Lower Explosive Limit: Not determined

### V. REACTIVITY DATA

Conditions Causing Chemical Instability: Stable under normal conditions of use  
Materials to avoid: Strong oxidizing agents, Alkalies, Acids, Strong bases  
Conditions of Reactivity: High temperatures.  
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Aldehydes, Organic acid vapors

### VI. HAZARDS IDENTIFICATION

Primary Routes of Exposure: Eye and skin contact, ingestion, inhalation  
Existing Conditions Aggravated by Exposure: Preexisting eye, skin and respiratory disorders  
Toxicity Information: (See Effects of Acute Exposure to Product)  
Effects of Acute Exposure: May cause eye and skin irritation. May cause pain, redness or swelling of the eyes and excessive blinking and tear production. Contact at elevated temperatures can cause thermal burns. May cause nausea, vomiting, pain and stomach upset (i.e., diarrhea).

**VI. HAZARDS IDENTIFICATION**

**Effects of Chronic Exposure:** Corneal damage. Conjunctivitis.  
**Irritancy of Product:** May cause dermatitis on prolonged contact in sensitive individuals.  
**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:** D2A VERY TOXIC MATERIALS, 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:** Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Prevent from entering waterways or sewers.  
**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 prolonged breathing of vapor. Keep away from eyes. Avoid prolonged contact with skin. Do not smoke while using. Wash hands after use.

**VIII. FIRST AID MEASURES**

**Ingestion:** If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.  
**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. If not breathing, give artificial respiration. Obtain medical attention.  
**Skin Contact:** Wash off with soap and water. If skin irritation persists, call a physician.  
**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 1, PHYSICAL HAZARD 0  
HMIS is a registered trademark of the National Paint and Coatings Association

**Estimated NFPA Rating:** HEALTH 2, FLAMMABILITY 1, REACTIVITY 0  
(NFPA is a registered trademark of the National Fire Protection Association)

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