

MATERIAL SAFETY DATA SHEET

Product Name: PSC 2102 WB ColorCoat / HARDENER

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: WB ColorCoat / HARDENER
SYNONYMS: Polyamines
PRODUCT USE / CLASS: Epoxy Curing Agent

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SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

WATER-BASED EPOXY PRIMER / HARDENER

HAZARDOUS INGREDIENTS
Proprietary Aliphatic Polyamine
Isophorone Diamine
Xylylenediamine

C.A.S.#	WEIGHT %
N/A	25 - 35
2855-13-2	0.3 - 1.5
1477-55-0	1.0 – 3.0

SECTION 3: HAZARDS IDENTIFICATION

***** EMERGENCY OVERVIEW ***:** Corrosive, causes severe eye and skin burns. Harmful or fatal if swallowed. Aspiration hazard if swallowed, can enter lungs and cause damage. May cause allergic skin reaction. May cause blindness.

EFFECTS OF OVEREXPOSURE

EYE CONTACT:

Causes irritation, experienced as pain, with excessive blinking and tear production, seen as marked excess redness and swelling with chemical burns of the eye. Severe eye damage may cause blindness.

SKIN CONTACT:

Causes severe irritations with pain, severe excess redness and swelling with chemical burns, blister formation and possible tissue destruction.

INHALATION:

Vapors or mists are irritating to the upper respiratory tract and cause nasal discharge, coughing and discomfort or pain in eyes, nose, throat and chest. Severe overexposure may result in difficulty breathing, headache, nausea, vomiting, and drowsiness. Prolonged or repeated exposure may result in permanent lung damage.

INGESTION:

May cause gastrointestinal irritation. Causes burning of mouth, throat and stomach with abdominal and chest pain, nausea, vomiting, diarrhea, thirst, weakness and collapse. Aspiration may occur during swallowing or vomiting, resulting in lung damage.

CHRONIC HAZARDS:

Repeated skin contact may cause a persistent irritation or dermatitis. Repeated inhalation may cause lung damage.

POTENTIAL HEALTH EFFECTS

EYE CONTACT:

May cause irritation with excessive blinking and tear production.

SKIN CONTACT:

May cause irritation, redness and drying of the skin.

INHALATION:

Vapors or mists are irritating to the upper respiratory tract and cause nasal discharge, coughing and discomfort or pain in eyes, nose, throat and chest.

INGESTION:

Causes gastrointestinal irritation, nausea, vomiting, and diarrhea.

GENERAL:

Avoid all personal contact. Use protective equipment. Provide adequate ventilation.

WHMIS Symbols



SECTION 4: FIRST AID MEASURES

EYE CONTACT:

In case of contact, immediately flush eyes with plenty of water. Obtain immediate medical attention.

SKIN CONTACT:

Remove contaminated clothing. Flush skin with plenty of water. Get medical attention. If burn is present, treat as thermal burn after decontamination. Wash clothing before re-use.

INHALATION:

Remove to fresh air. If not breathing, give CPR. If breathing is difficult or cyanosis is noted, give oxygen. Get immediate medical attention.

INGESTION:

If swallowed, do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

NOTE TO

PHYSICIAN:

Due to the corrosive nature of this material, swallowing may result in severe ulceration, inflammation, and possible perforation of the upper alimentary tract, with hemorrhage and fluid loss. Aspiration of this product during induced emesis can result in severe lung injury. Evacuation of stomach contents should be done by means least likely to cause aspiration.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT:

Not applicable

LOWER EXPLOSIVE LIMIT:

Not applicable

FLASH POINT METHOD:

Not applicable

UPPER EXPLOSIVE LIMIT:

Not applicable

OSHA FLAMMABILITY CLASSIFICATION:

Not applicable

AUTOIGNITION TEMPERATURE:

Not applicable

EXTINGUISHING MEDIA:

Use water spray or fog, foam, dry chemical or CO₂

FIRE FIGHTING PROCEDURES:

Wear self-contained positive pressure breathing apparatus, (MSHA / NIOSH approved or equivalent) and full protective gear. Containers will build up pressure if exposed to heat. Cool with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Use personal protective equipment as described in Section 8. Stop spill at source. In case of large spills, dike area of spill to prevent spreading. Pump liquid into salvage tank. Absorb remainder or small spills with inert material and place in a chemical waste container. Prevent runoff into sewers, streams, or other bodies of water. If runoff occurs, notify proper authorities as required. Avoid use of water; product is highly toxic to aquatic life. Obey relevant local, state, provincial, and federal laws and regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING: Avoid contact with eyes, skin, and clothing. Follow all MSDS / Label precautions.
STORAGE: Store cool and dry. Keep container closed when not in use.

SECTION 8: PERSONAL PROTECTION

EXPOSURE LIMITS:	VALUE	LIMIT	REFERENCE
Proprietary Aliphatic Polyamine	Not available	Not available	Not available
Isophorone Diamine	Not available	Not available	Not available

ENGINEERING CONTROLS: Use adequate ventilation
RESPIRATORY PROTECTION: Respiratory protection meeting OSHA 1910.134 and ANSI Z88.2 or applicable federal / provincial requirements must be followed whenever workplace conditions warrant a respirator use
EYE PROTECTION: Use chemical splash goggles
SKIN PROTECTION: Use impermeable gloves
OTHER PROTECTIVE EQUIPMENT: Safety showers and eye wash fountain should be readily available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE:	Not available	VISCOSITY:	N/A
VAPOR DENSITY:	Heavier than air	VOC CONTENT (lbs. / gal.)	0.0
BOILING POINT:	N/A	EVAPORATION RATE:	Slower than n-Butyl Acetate
pH:	N/A	SOLUBILITY IN WATER:	Negligible
SPECIFIC GRAVITY:	1.2 - 1.5 (depending on product)	OTHER PROPERTIES:	Colored paste, faint odor

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions
HAZARDOUS POLYMERIZATION: Will not occur under normal conditions
CONDITIONS TO AVOID: High temperatures
INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizing materials, strong acids, peroxides, hydrazides

SECTION 11: TOXICOLOGICAL PROPERTIES

CHEMICAL NAME	ORAL LD 50	DERMAL LD 50	INHALATION LC 50
N/A	N/A	N/A	N/A

SECTION 12: ECOLOGICAL INFORMATION

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Empty containers and waste must be disposed in accordance with federal, state, provincial, and local regulations

SECTION 14: TRANSPORTATION INFORMATION

TECHNICAL SHIPPING NAME: Epoxy Curing Agent
HAZARD CLASS OR DIVISION: Polyamines, Liquid, Corrosive, N.O.S. Class 8, UN2735, PG III

SECTION 15: REGULATORY INFORMATION

CANADIAN WHMIS CLASSIFICATION: Class D Division 2 Subdivision B (Toxic Material)

OSHA: This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard

CLEAN AIR ACT SECTION 112: This product contains the following components listed as Hazardous Air Pollutants:

None

The products contain the following components listed as Extremely Hazardous Air Pollutants:

None

SARA SECTION 302: The products contain the following components listed as Extremely Hazardous Substances:

None

SARA SECTION 311/312: Hazard Classification:

Immediate (acute)

SARA SECTION 313: The products contain the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Authorization Act of 1986 and 40 CFR Part 372:

None

TSCA: The products or their components are listed in or exempt from the TSCA inventory requirements.

The products contain the following non-proprietary substances subject to export notification under Section 12(b) of TSCA:

None

SECTION 16:

OTHER INFORMATION

The information is furnished without warranty, representation, inducement, license of any kind, except that it is accurate to the best of Polymer Science Corporation's knowledge or obtained from sources believed by Polymer Science Corporation to be accurate and Polymer Science Corporation does not assume any legal responsibility for use or reliance on same. Customers are encouraged to do their own tests.

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