

E.W. Industries Ltd.

P.O. Box 336
Imperial, SK. S0G2J0
Canada

8 am to 5 pm Phone: (888) 786-6333
24-Hour Emergency Phone: (800) 328-8501
International Emergency Phone: (409) 727-0831
Asia Pacific Emergency Phone: (65) 6336-6011



Effective Date: 8/14/07

Material Safety Data Sheet

MSDS No: 12166

1. PRODUCT IDENTIFICATION

Trade Name: 5065 Epoxy Hardener

Chemical Family: Modified Cycloaliphatic Polyamine

Health:	3
Flammability:	1
Reactivity:	0
Personal Protection:	X

HMIS RATING

Intended Use or Product Type: Liquid Epoxy Hardener

2. COMPOSITION / INFORMATION ON INGREDIENTS

OSHA Hazardous Ingredients: ACGIH STEL for 1,3-benzenedimethanamine is a ceiling concentration. 1,3-benzenedimethanamine has a skin notation.

O S H A	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS					CARCINOGEN STATUS		
			ACGIH		OSHA		MFR.	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
*	100-51-6 Common Name: Concentration	Benzenemethanol Benzyl alcohol 30.00 - 60.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
	Confidential Concentration	Reaction product of metaxylenediamine and epoxy resin 10.00 - 30.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	1477-55-0 Common Name: Concentration	1,3-Benzenedimethanamine m-Xylylenediamine 5.00 - 10.00 % by wt	NE	0.1 mg/m3	NE	0.1 mg/m3	NE	NR	NR	NR
*	2855-13-2 Common Name: Concentration	Cyclohexanemethanamine, 5- amino-1,3,3-trimethyl- Isophoronediamine 10.00 - 30.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	Confidential Concentration	Accelerator 1.00 - 5.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR



NE = Not Established NR = Not Reviewed * = OSHA Hazardous Ingredient

3. HAZARDS IDENTIFICATION

Emergency Overview: Danger! Corrosive to eyes and skin. Harmful if swallowed, inhaled or absorbed through the skin. Can cause sensitization and dermatitis.

Primary Route(s) of Entry: Dermal.

4. FIRST AID MEASURES

Ingestion: If swallowed, immediately give at least 3-4 glasses of water, but do not induce vomiting. If vomiting occurs, give fluids again. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

Skin: For skin contact, under a safety shower, immediately remove contaminated clothing and shoes. Wash affected areas thoroughly with large amounts of water, and soap if available, for at least 15 minutes. Get immediate medical attention. Discard or decontaminate clothing before re-use and destroy contaminated shoes.

Inhalation: If inhaled, remove from area to fresh air. If not breathing, give artificial respiration. Get immediate medical attention. If breathing is difficult, transport to medical care and, if available, give supplemental oxygen.

Eyes: For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. If physician is not available, flush for an additional 15 minutes. Get immediate medical attention.

Overexposure Effects: Vapors may cause headache, dizziness and nausea. Overexposure to this material can cause chemical burns to skin and eyes and may cause central nervous system depression. Can cause allergic skin and respiratory reactions.

Medical Conditions Aggravated by Exposure: Allergy, eczema or skin conditions.

Additional Information: Promptly remove wet contaminated non-impervious clothing, wash before reuse. Destroy contaminated leather and absorbent shoes.

5. FIRE FIGHTING MEASURES

Flash Point: 117°C (243 °F)

Flash Point Method Used: Closed Cup

Fire Fighting Extinguishing Media: Carbon dioxide, foam, dry chemical, water spray.

Fire Fighting Equipment: Use self-contained breathing apparatus.

Fire and Explosion Hazards: Decomposition and combustion products may be toxic.

6. ACCIDENTAL RELEASE MEASURES



Accidental Release Measures: Avoid all personal contact. Take up with absorbent material. Shovel into closable containers. Flush contaminated area with water. This product may be toxic to fish; prevent run off to sewers, streams, lakes and other bodies of water.

7. HANDLING AND STORAGE

Precautions: Do not get in eyes, on skin or on clothing. Do not breathe vapor, mist or spray. Use only with good ventilation. Individuals should wash thoroughly after handling. For industrial use only.

Storage Information: Store in tightly closed containers in cool, dry area to prevent moisture absorption and carbon dioxide contamination.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment: Wear protective equipment to prevent exposure and personal contact.

Skin Protection: Wear impervious gloves.

Respiratory Protection: Organic chemical cartridge respirator, if needed.

Eye Protection: Splash-proof chemical goggles. Full face-shield recommended.

Engineering Controls: Good general mechanical ventilation. Local exhaust recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellow
Odor:	Amine
Physical State:	Liquid
Solubility in Water:	Partly Soluble
Vapor Pressure:	< 2 Pa at 20°C (68 °F)
Specific Gravity:	at 20°C(68°F)
Boiling Point:	175°C (347 °F)
Density:	1.05 g/cm3 at 25°C (77 °F)
VOC:	Negligible
pH:	~ 11 (Dispersion, 50% at 20°C)
Coefficient of water/oil:	Not Determined

Additional Information: Thermal Decomposition: > than 96°C

10. STABILITY AND REACTIVITY

Stability: Stable.

Incompatibility: Strong oxidizers and acids.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, aldehydes, nitrogen oxides.

Hazardous Polymerization: Will not occur.



11. TOXICOLOGICAL INFORMATION

Acute Oral Effects (LD50): (Rat) Greater than 930 mg/kg (components).

Sensitization: Can cause skin and respiratory sensitization.

Skin Irritation: Corrosive.

Eye Irritation: Corrosive.

12. ECOLOGICAL INFORMATION

Additional Information: No ecological information available. Amines, in general, are considered toxic to fish and other aquatic organisms.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT: Non-Bulk

Proper Shipping Name:	Corrosive liquid, basic, organic, n.o.s.
Technical Shipping Name (If n.o.s.):	(m-Xylylenediamine, Isophoronediamine)
Hazard Class:	8
ID Number:	UN 3267
Packing Group:	PG III

TDG: Non-Bulk

Proper Shipping Name:	Corrosive Liquid, n.o.s.
Technical Shipping Name (If n.o.s.):	(m-Xylylenediamine, Isophoronediamine)
Hazard Class:	8
ID Number:	UN 3267
Packing Group:	PG III

15. REGULATORY INFORMATION

US Federal Regulations:

Occupational Safety and Health Act (OSHA): This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.

Resource Conservation and Recovery Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261).

SARA Title III: Section 304 - CERCLA: Not listed.



SARA Title III: Section 313 Toxic Chemical List (TCL): This product does not contain a toxic chemical for routine annual 'Toxic Chemical Release Reporting' under Sec. 313 (40 CFR 372). This information must be included in all MSDS's that are copied and distributed for this material.

TSCA Section 8(b) - Inventory Status: Chemical components listed on TSCA Inventory.

International Regulations:

Canadian Inventory Status: This product is not included on the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL).

Canadian WHMIS: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. D2A, D2B, E

State Regulations:

California Proposition 65: This product does not contain any chemicals currently on the California list of Known Carcinogens and Reproductive Toxins.

New Jersey Right-to-Know: The following is required composition information:

Chemical Name: Benzenemethanol
Common Name: Benzyl Alcohol
CAS Number: 100-51-6

Chemical Name: Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-
Common Name: Isophoronediamine
CAS Number: 2855-13-2

Chemical Name: 1,3-Benzenedimethanamine
Common Name: m-Xylylenediamine
CAS Number: 1477-55-0

Chemical Name: Accelerator
NJ Registry #: 29943300001-5715P

Chemical Name: Modified Polyamine
NJ Registry #: 29943300001-5904P

Pennsylvania Right-to-Know: The following is required composition information:

Chemical Name: Benzenemethanol
Common Name: Benzyl alcohol
CAS Number: 100-51-6
Comment: Hazardous Substance

Chemical Name: Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-
Common Name: Isophoronediamine
CAS Number: 2855-13-2
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Reaction product of metaxylenediamine and epoxy resin
CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List



Chemical Name: 1,3-Benzenedimethanamine
Common Name: m-Xylylenediamine
CAS Number: 1477-55-0
Comment: Hazardous Substance

Chemical Name: Accelerator
CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List

16. OTHER INFORMATION

MSDS No:	12166
Prepared By:	Mary Slattery
Approved By:	Andy Wang
Title:	Product Safety Manager

Other Information: For further information, contact Product Safety personnel at (914) 785-3000.

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