

MATERIAL SAFETY DATA SHEET

**Technical Barrier Systems
151 Randall Street
Oakville, Ontario, Canada, L6J 1P5
(905) 842-9488**

SECTION 01 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier (WHMIS Classification)	EMBE® Merdek Basecoat Hardener
Product Use	Amine hardener
Manufacturer's Name	Technical Barrier System Inc.
Street Address	151 Randall Street
City	Oakville
Province	ON
Postal Code	L6J 1P5
Emergency Telephone	888-537-2888
Date MSDS Prepared	15-Oct-09
MSDS Prepared by	Keith Seaman
Phone Number	888-537-2888
Supplier's Name	Technical Barrier System Inc.
Street Address	151 Randall Street
City	Oakville
Province	ON
Postal Code	L6J 1P5
Emergency Telephone	888-537-2888

SECTION 02 : COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS, %, C.A.S.#, LD/50, ROUTE, SPECIES, LC/50, ROUTE, SPECIES

Phenol	25154-52-3
Poly(oxy(methyl-1,2-ethanediyl)), .omega.-(2-aminomethylethoxy)-Polyoxypropylenediamine	9046-10-0

All percentages listed are weight / weight

SECTION 03 : HAZARDS IDENTIFICATION

Route of Entry	Dermal; heated product may produce inhalable vapors.
Skin Contact	
Skin Absorption	
Eye Contact	
Inhalation	
Ingestion	
Emergency Overview	Danger! Corrosive - causes skin and eye burns and respiratory irritation. Harmful if absorbed through the skin.
WHMIS Symbols	

SECTION 04 : FIRST AID MEASURES

Skin Contact	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.
Eye Contact	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.
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.
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. Have physician determine whether vomiting or stomach evacuation is necessary.

SECTION 05 : FIRE FIGHTING MEASURES**Flammable: Yes / No****If yes under which conditions?****Means of Extinction****Flashpoint (°C) and Method** >200°F (>93°C)**Upper Flammable Limit (% by volume)** Not established**Lower Flammable Limit (% by volume)** Not established**Autoignition Temperature (°C)****Explosion Data - Sensitivity to Impact****Explosion Data - Sensitivity to Static****Discharge****Hazardous Combustion Products** Decomposition and combustion products may be toxic.**SECTION 06 : ACCIDENTAL RELEASE MEASURES****Leak and Spill Procedures** Avoid all personal contact. Take up with absorbent material. Shovel into closable containers. Flush contaminated area with water.**SECTION 07 : HANDLING AND STORAGE****Handling Procedures and Equipment** Do not get in eyes, on skin, on clothing. Avoid breathing vapor or mist. Use with adequate ventilation. Individuals should wash thoroughly after handling. For industrial use only.**Storage Requirements** Store in sealed containers in dry area to avoid moisture absorption and contamination. Wear appropriate protective equipment to avoid personal contact.**SECTION 08 : EXPOSURE CONTROL / PERSONAL PROTECTION****Exposure Limits: ACGIH TLV; OSHA PEL; Other****Specific Engineering Controls (such as ventilation, enclosed process)** Good general mechanical ventilation and local exhaust.**Personal Protective Equipment** Wear impermeable gloves and protective clothing. Use NIOSH approved organic vapor/cartridge respirator when vapor/mist exposure is likely. Use full face shield.**SECTION 09 : PHYSICAL AND CHEMICAL PROPERTIES****Physical State** Liquid**Odour and Appearance** Amine, yellow**Odour Threshold (ppm)****Specific Gravity****Vapour Density (air=1)****Vapour Pressure (mmHg)****Evaporation Rate****Boiling Point (°C)****Freezing Point (°C)****pH****Coefficient of Water / Oil Distribution****SECTION 10 : STABILITY AND REACTIVITY****Chemical Stability Yes/No** Stable**If no, under what conditions?****Compatibility with Other Substances Yes/No** Incompatible with strong oxidizers, strong acids and bases**If yes, which ones?****Reactivity, and under what conditions?** Hazardous polymerization will not occur. Avoid excessive heat for prolonged periods of time.**Hazardous Decomposition Products** Toxic levels of ammonia, combustion products of nitrogen, carbon monoxide, carbon dioxide, aldehydes and ketones.

SECTION 11 : TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	
Effects of Chronic Exposure	
Irritancy of Product	
Skin Sensitization	Possible in susceptible individuals.
Respiratory Sensitization	Irritant
Carcinogenicity - IARC	
Carcinogenicity - ACGIH	
Reproductive Toxicity	
Teratogenicity	
Embryotoxicity	
Mutagenicity	
Name of Synergistic Products / Effects	

SECTION 12 : ECOLOGICAL INFORMATION

Aquatic Toxicity	No ecological information available
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SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal	Handle disposal of waste material in manner which complies with local, state, province and federal regulation.
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SECTION 14 : TRANSPORT INFORMATION

Special Shipping Instructions	
PIN	
TDG	Corrosive liquid, n.o.s. Nonyl phenol, Polyoxypropylenediamine Class 8 UN 1760 PG II
ICAO	

SECTION 15 : REGULATORY INFORMATION

WHMIS Classification	
OSHA	This product is considered to be a hazardous chemical under this standard.
SERA	This product does not contain any chemicals for routine annual toxic chemical release reporting.
TSCA	All chemicals in this product are not subject to TSCA
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the the information required by CPR.	

SECTION 16 : OTHER INFORMATION

DSL	All substances listed on the Canadian Domestic Substance List or are not required to be listed.
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