

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 CRETE 467 HS Hardener
 Product Use
 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 30-Dec-11
 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
Dipropylene glycol 90-100	88917-22-0
methyl ether acetate	
Proprietary additive 10-25	

SECTION 03 : HAZARDS IDENTIFICATION

Route of Entry
 Skin Contact Moderate irritation or defatting of skin upon prolonged or repeated contact
 Skin Absorption
 Eye Contact Irritation, burning, tearing and redness
 Inhalation Vapors irritate mucus membranes. Excessive exposure to vapors can cause headaches, nausea, and vomiting.
 Ingestion Product is moderately toxic and may be harmful if swallowed; may produce central nervous system depression. Ingestion may result in abdominal pain, nausea, vomiting and diarrhea. If vomiting occurs spontaneously, do not allow vomit to be breathed into the lungs as even a small quantity may result in aspiration pneumonitis.
 Emergency Overview
 WHMIS Symbols
 Potential Health Effects

SECTION 04 : FIRST AID MEASURES

Skin Contact Remove contaminated clothing, wash skin with soap and water. Launder contaminated clothing before reuse.
 Eye Contact Flush with cool water for at least 15 minutes. Call a physician.
 Inhalation Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
 Ingestion Give victim 2 glasses of water and induce vomiting. NEVER ADMINISTER ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Get medical attention immediately.

SECTION 05 : FIRE FIGHTING MEASURES

Flammable: Yes / No
 If yes under which conditions?
 Means of Extinction Foam, water spray (fog), CO2, dry chemical
 Flashpoint (°F) and Method >180° F, method TTC

Upper Flammable Limit (% by volume)	5.35%
Lower Flammable Limit (% by volume)	1.21%
Unusual fire and explosion hazards	Pressure may build up in containers and create an explosion hazard

Explosion Data - Sensitivity to Impact
 Explosion Data - Sensitivity to Static Discharge
 Hazardous Combustion Products

SECTION 06 : ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures	Dike spill area. Soak up with absorbent material and place in sealed metal container for proper disposal.
---------------------------	---

SECTION 07 : HANDLING AND STORAGE

Handling Procedures and Equipment	Keep away from open flames and high temperatures. Minimize contact. Avoid breathing vapors. Practice good industrial hygiene and safe working practices.
Storage Requirements	Store in dry area.

SECTION 08 : EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits: ACGIH TLV; OSHA PEL; Other	
Specific Engineering Controls (such as ventilation, enclosed process)	Local exhaust is recommended.
Personal Protective Equipment	RESPIRATORY: Use NIOSH approved dust mask respirator under appropriate OSHA standards and regulations. Protective gloves recommended. EYE PROTECTION: Wear liquid chemical goggles. Contact lenses should not be worn. Long sleeve shirts and pants should be worn.

SECTION 09 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State	liquid
Odour and Appearance	straw colored liquid with slight odor
Odour Threshold (ppm)	
Solubility in water	7.69 lbs (+/- 0.25)
Vapour Density (air=1)	
Vapour Pressure (mmHg)	
Evaporation Rate	slower than ether
Boiling Point (°C)	
Freezing Point (°C)	
Percent VOC by volume	95%
Solubility in water	16%

SECTION 10 : STABILITY AND REACTIVITY

Chemical Stability Yes/No	Yes
If no, under what conditions?	
Compatibility with Other Substances Yes/No	Avoid oxidizing agents, strong acids and bases
If yes, which ones?	
Reactivity, and under what conditions?	
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, nitrogen oxides and organic compounds

SECTION 11 : TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	N/A
Effects of Chronic Exposure	N/A
Irritancy of Product	N/A
Skin Sensitization	N/A
Respiratory Sensitization	N/A
Carcinogenicity - IARC	No
Carcinogenicity - ACGIH	N/A
Reproductive Toxicity	N/A
Teratogenicity	N/A
Embryotoxicity	N/A
Mutagenicity	N/A
Name of Synergistic Products / Effects	

SECTION 12 : ECOLOGICAL INFORMATION

Aquatic Toxicity	
------------------	--

SECTION 13 : DISPOSAL CONSIDERATIONS

SECTION 14 : TRANSPORT INFORMATION

Special Shipping Instructions

PIN

TDG combustible liquid n.o.s. UN 1993 PG III

ICAO

SECTION 15 : REGULATORY INFORMATION

WHMIS Classification

OSHA No

SERA

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 information required by CPR.

SECTION 16 : OTHER INFORMATION

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