

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 Sealmaster 100%
 (WHMIS Classification) B3
 Product Use Water repellent primer
 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 2-Aug-06
 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
Octyl triethoxy silane 90 - 100%	35435-21-3	>2000 mg/kg, rat, oral, dermal
Ethanol varies	64-17-5	

SECTION 03 : HAZARDS IDENTIFICATION

Route of Entry Eyes, skin, inhalation, ingestion
 Skin Contact May cause slight skin irritation
 Skin Absorption
 Eye Contact No acute toxic effects are expected
 Inhalation No acute toxic effects are expected. In case of aerosol formation: If inhaled as aerosol lung damage is possible.
 Ingestion Not expected in industrial use.
 Emergency Overview
 WHMIS Symbols
 Potential Health Effects

This material releases ethanol upon hydrolysis. Ethanol (CAS-NO 64-17-5) is an irritant to the eyes and mucus membranes. Overexposure has been shown to cause central nervous system depression. Direct contact with the eyes will cause burning and stinging.

SECTION 04 : FIRST AID MEASURES

Skin Contact For skin contact, immediately wipe away excess material. Wash with soap and water.
 Eye Contact If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 min.
 Inhalation If inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen.
 Ingestion For ingestion, if conscious, give several glasses of water but do not induce vomiting. If vomiting does occur, give additional fluids. Indicate the possible formation of: ethanol

SECTION 05 : FIRE FIGHTING MEASURES

Flammable: Yes / No

If yes under which conditions? This material will flashbut does not sustain in combustion. As a result of hydrolysis flammable vapors may accumulate in the container head space.

Means of Extinction

Flashpoint (°C) and method >40°C (> 104 °F) ISO 2719

Upper Flammable Limit (% by volume)

Lower Flammable Limit (% by volume)
Autoignition Temperature (°C) 265° C (509° F)
Explosion Data - Sensitivity to impact
Explosion Data - Sensitivity to Static Discharge
Hazardous Combustion Products

SECTION 06 : ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures

Wear personal protection equipment. Keep unprotected persons away. Avoid contact with eyes and skin. Avoid inhaling mists and vapours. If material is released indicate risk of slipping. Prevent material from entering surface waters, drains or sewers and open soil. Contain any fluid that runs out using suitable material (e.g. earth) Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Do not flush away with water. For small amounts: absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Exhaust vapours. Eliminate all sources of ignition.

SECTION 07 : HANDLING AND STORAGE

Handling procedures and Equipment

Ensure adequate ventilation. Keep away from incompatible substances in accordance with section 10.2. Spilled substance increases risk of slipping.

Storage Requirements

SECTION 08 : EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits: ACGIH TLV; OSHA PEL; Other 1,900.0 mg/m³, 1,000.0 ppm

Specific Engineering Controls (such as ventilation, enclosed process)

Local exhaust ventilation which meets the requirements of ANSI Z9.2 is recommended to control airborne contaminants at the point of use.

Personal Protective Equipment

RESPIRATORY PROTECTION: Respiratory protection is only necessary if long or high level exposures are likely to occur. A NIOSH approved air purifying respirator equipped with universal multi-contaminant multi-gas/vapor cartridges is recommended if overexposure to chemical vapors could occur.
HAND PROTECTION: butyl rubber protective gloves. **EYE PROTECTION:** chemical safety goggles.

SECTION 09 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid
Odour and Appearance Colourless
Odour Threshold (ppm) Slight
Specific Gravity
Vapour Density (air=1) 0.879 g/cm³ at 25
Vapour Pressure (mmHg) 6.0 hPa at 25°C (77°F) (EU-GL.A.4), 22.2 hPa at 50°C (122° F)
Evaporation Rate
Boiling Point (°C) 236°C (456° F) at 1013 hPa
Viscosity (dynamic) 1.9 mPa*s at 25°C (77° F)
Physical State Liquid
Coefficient of Water / Oil Distribution

SECTION 10 : STABILITY AND REACTIVITY

Chemical Stability Yes/No

If no, under what conditions?

Incompatibility with Other Substances Yes/No

Reacts with water, basic substances and acids. Reaction causes the formation of ethanol.

If yes, which ones?

Reactivity, and under what conditions?

Hazardous Decomposition Products

Ethanol. If stored and handled in accordance with standard industrial practices and local regulations where applicable: none known.

SECTION 11 : TOXICOLOGICAL INFORMATION

Effects of Acute Exposure
Effects of Chronic Exposure
Irritancy of Product
Skin Sensitization Mildly irritating
Respiratory Sensitization
Carcinogenicity - IARC
Carcinogenicity - ACGIH
Reproductive Toxicity
Teratogenicity
Embryotoxicity
Mutagenicity Not mutagenic
Name of Synergistic Products /
Effects

SECTION 12 : ECOLOGICAL INFORMATION

Aquatic Toxicity Harmful to aquatic organisms. May have long term effects in in-shore waters.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal
Dispose of according to regulations by incineration in a special waste incinerator. Observe local/state/federal regulations.

SECTION 14 : TRANSPORT INFORMATION

Special Shipping Instructions
PIN
TDG Nor regulated
ICAO Not regulated

SECTION 15 : REGULATORY INFORMATION

WHMIS Classification B3
OSHA
SERA
TSCA
This material does not contain any SARA extremely hazardous substances.
This material does not contain any TSCA 12 (b) regulated chemicals.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of 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.
Conversion Table
1 hPa * = 1 mm Hg = 1 Torr; 1 bar = 1000 hPa
1 mPa*s = 1 centipoise (Cp)