

SHAMBAN

Polymer Sealing Solutions

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION

Product Name: TURCITE® B SLYDWAY®

Manufactured by: Polymer Sealing Solutions
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Revision Date: 10/23/02 (Supersedes 05/31/00)

24 HOUR EMERGENCY PHONE – CHEMTREC 800-424-9300

SECTION 2 – HAZARDOUS INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Wt. %</u>	<u>-----Exposure Limits in Air-----</u>		
			<u>ACGIH (TLV)</u>	<u>OSHA (PEL)</u>	<u>Other</u>
Polytetrafluoroethylene	9002-84-0	N/A	N/A	N/A	N/A
Chromium III Compound	7440-47-3	0.5	0.5 mg/m ³	0.5 mg/m ³	N/A

All ingredients not identified are considered proprietary and nonhazardous. This product as a whole as shipped is nonhazardous. If this product is overheated, it can liberate decomposition products that are harmful if inhaled.

SECTION 3 – PHYSICAL PROPERTIES

Vapor Density (air = 1):	N/A	Melting Point or Range (°F):	621-666
Specific Gravity:	3.1	Boiling Point or Range (°F):	N/A
Solubility in Water:	Insoluble	Vapor Pressure (mm Hg at 20°C):	N/A
Appearance/Odor:	Gray/Green Solid, Odorless	Evaporation Rate (butyl acetate = 1):	N/A

SECTION 4 – FIRE AND EXPLOSION

Flash Point (°F): 986-1022

Auto-Ignition Temperature (°F): 968-1067

Flammable Limits in Air (Volume %): Unknown

Fire Extinguishing Materials: Water Spray, Foam, CO₂, or Dry Chemical may be used.

Special Fire Fighting Procedures: Self-contained breathing apparatus (SCBA), NIOSH approved, and full bunker gear should be used to enter a confined fire space. Wear neoprene gloves when handling refuse from fire.

Unusual Fire and Explosion Hazards: Above 570°F this material may undergo degradation to compounds which may result in the temporary influenza-like symptoms described in Section 6. Hydrogen Fluoride fumes evolved during the decomposition/combustion of this material can react with water to form hydrofluoric acid. Wear gloves when handling refuse.

SECTION 5 – REACTIVITY DATA

Stability: Stable

Condition to Avoid: Temperature above 570°F – toxic gases are evolved as decomposition products.

Incompatibility (Materials to Avoid): Molten alkali metals, interhalogen compounds.

Hazardous Combustion/Decomposition Products: H₂, HF, CF₁ = CF₂, TFE (>800°F), perfluoroolefins (>800°F), and noxious Cu compounds.

The OSHA permissible exposure for HF is 3ppm and the established limit (manufacturer) for tetrafluoroethylene is 20ppm for an 8-hour TWA.

Hazardous Polymerization: Will not occur.

SECTION 6 – HEALTH HAZARD ASSESSMENT

Carcinogenicity: None of this product's ingredients are found on OSHA, NTP, or IARC lists of suspected carcinogens.

Inhalation: No toxic effects are known to be associated with inhalation or ingestion of airborne respirable fibers during machining operations such as cutting, machining, grinding, crushing, or sanding; however, particulate fillers can irritate upper respiratory passages. Repeated and prolonged inhalation of excessive concentration or respirable fibers may cause permanent lung injury. Machining procedures should be

reviewed to assure that particulate levels are kept below recommended exposure limits listed below. Inhaling fumes of decomposition products (>570°F) can cause temporary influenza-like symptoms described as "polymer fume fever" and may include fever, cough, and malaise. These symptoms may not occur until several hours after exposure and pass within 28-36 hours even in the absence of treatment.

Chronic Symptoms/Health Effects from Exposure: Repeated Exposure to the skin may cause sensitization or dermatitis.

First Aid Procedures:

- Skin:** Wash material off the skin with plenty of soap and water. If redness, itching, or burning sensation develops, get medical attention. For thermal burn, cool quickly with water and get medical attention.
- Eyes:** Immediately flush with plenty of water for at least 15 minutes and have eyes examined and treated by medical personnel.
- Ingestion:** Do not induce vomiting. Drink a large volume of milk or water and seek medical attention.
- Inhalation:** Remove the person to fresh air. Give oxygen if breathing is difficult. Seek medical attention.

Medical Conditions Aggravated by Exposure: Existing allergic skin problems or respiratory disorders such as asthma could be aggravated by exposure to particulate matter generated during machining.

SECTION 7 – HANDLING AND ENVIRONMENTAL INSTRUCTIONS

Ventilation and Engineering Controls: Use mechanical methods to control dust when processing. Provide local exhaust to remove decomposition products and control exposure levels.

Respiratory Protection: Wear NIOSH approved respiratory protection if potential exists for irritation of nasal passages due to exposure to dust or vapors. In accordance with 29 CFR 1910.134, use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors. If heated above 572°F, use SCBA in positive pressure mode.

Eye Protection: Safety glasses with side shields during machining.

Other Handling and Storage Requirements: Store in cool, dry place. Do not smoke or eat in areas where polymers are handled or stored. Wash hands immediately after use.

Spills and Leaks: Sweep up to prevent slipping hazard.

Waste Disposal: Disposal must be in accordance with federal, state, and local regulations. Do not incinerate. Discarded product is not a hazardous waste under RCRA 40 CFR 261.

SECTION 8 – REGULATORY INFORMATION

DOT/IATA Proper Shipping Name: None, not regulated.

TSCA Status: All of the individual ingredients in this compound are listed on the TSCA Inventory.

SARA Title III Section 313: This compound contains Chromium III compounds (with 0.1-0.3% Co, 1-1.3% Cr, <0.2% Zn) and 25% Cu metal subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.

NOTICE

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