



MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®
5250-A Naiman Parkway, Solon, OH 44139 • 888-567-2206 • www.chromate.com

**FOR CHEMICAL
EMERGENCY**
Call ChemTrec day/night:
1-800-424-9300

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PST561 THREAD SEALANT

DATE PREPARED: JULY 11, 2011

PART NUMBER: 74564

CHROMATE INDUSTRIAL CORPORATION

PRODUCT TYPE: ANAEROBIC SEALANT

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SECTION 2 — HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS: HEALTH: *2

FLAMMABILITY: 1

PHYSICAL HAZARD: 1

PERSONAL PROTECTION: See Section 8

PHYSICAL STATE: Wax

COLOR: White

ODOR: Mild

WARNING: MAY CAUSE SKIN IRRITATION.
MAY CAUSE ALLERGIC SKIN REACTION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.
CAUSES EYE IRRITATION.

RELEVANT ROUTES OF EXPOSURE: SKIN, INHALATION, and EYES

POTENTIAL HEALTH EFFECTS

INHALATION: May cause symptoms of intoxication. Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.
May cause respiratory tract irritation.

SKIN CONTACT: May cause allergic skin reaction.

EYE CONTACT: Contact with eyes will cause irritation.

INGESTION: Not expected to be harmful by ingestion.

EXISTING CONDITIONS AGGRAVATED BY EXPOSURE: EYE, SKIN, and RESPIRATORY DISORDERS.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See *Section 11* for additional toxicological information.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	%
POLYGLYCOL DIOCTANOATE	18268-70-7	30 - 60
POLYGLYCOL DIMETHACRYLATE	25852-47-5	10 - 30
2-PROPENOIC ACID, 2-METHYL-, (1-METHYLETHYLIDENE)	24448-20-2	10 - 30
THIXOTROPIC AGENT	Unknown	5 - 10
BISPHENOL A FUMARATE RESIN	39382-25-7	5 - 10
SILICA, AMORPHOUS, <i>FUMED, CRYSTAL-FREE</i>	112945-52-5	1 - 5
ETHYLENE GLYCOL	107-21-1	1 - 5
TITANIUM DIOXIDE	13463-67-7	1 - 5
SACCHARIN	81-07-2	1 - 5

N/A — NOT APPLICABLE
N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

SECTION 4 — FIRST AID MEASURES

- INHALATION:** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, get medical attention.
- SKIN CONTACT:** Wash with soap and water. Remove contaminated clothing and footwear. Wash clothing before reuse. If symptoms develop and persist, get medical attention.
- EYE CONTACT:** Flush with copious amounts of water, preferably, lukewarm water for at least 5 minutes, holding eyelids open all the time. Get medical attention.
- INGESTION:** Keep individual calm. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

SECTION 5 — FIRE-FIGHTING MEASURES

- FLASH POINT:** Not Applicable
- AUTO-IGNITION TEMPERATURE:** Not Available
- FLAMMABLE/EXPLOSIVE LIMITS** **LOWER:** Not available **UPPER:** Not available
- EXTINGUISHING MEDIA:** Foam, dry chemical or carbon dioxide.
- SPECIAL FIRE-FIGHTING PROCEDURES:** None
- UNUSUAL FIRE OR EXPLOSION HAZARDS:** None
- HAZARDOUS COMBUSTION PRODUCTS:** Irritating organic vapors. Oxides of carbon. Toxic fluorine compounds.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in *Section 8*, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

ENVIRONMENTAL PRECAUTIONS: Do not allow product to enter sewer or waterways.

CLEAN-UP METHODS: Store in a partly filled, closed container until disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

SECTION 7 — HANDLING AND STORAGE

HANDLING: Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation.

STORAGE: For safe storage, store at or below 38 °C (100.4 °F). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

For information on product shelf life contact CIC Customer Service at (800) BUY-BOLT.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

HAZARDOUS COMPONENTS	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
POLYGLYCOL DIOCTANOATE	None	None	None	None
POLYGLYCOL DIMETHACRYLATE	None	None	None	None
2-PROPENOIC ACID, 2-METHYL-, (1-METHYLETHYLIDENE)	None	None	None	None
THIXOTROPIC AGENT	None	None	None	None
BISPHENOL A FUMARATE RESIN	None	None	None	None
SILICA, AMORPHOUS, <i>FUMED, CRYSTAL-FREE</i>	10 mg/m ³ TWA Inhalable Dust 3 mg/m ³ TWA Respirable Fraction	20 MPPCF TWA 0.8 mg/m ³ TWA	None	None
ETHYLENE GLYCOL	100 mg/m ³ Ceiling Aerosol	None	None	None
TITANIUM DIOXIDE	10 mg/m ³ TWA	15 mg/m ³ TWA Total dust	None	None
SACCHARIN	None	None	None	None

ENGINEERING CONTROLS: Use local exhaust ventilation if the potential for airborne exposure exists.
RESPIRATORY PROTECTION: Use NIOSH-approved respirator if there is potential to exceed exposure limit(s).
EYE/FACE PROTECTION: Safety goggles or safety glasses with side shields.
SKIN PROTECTION: Use impermeable gloves and protective clothing as necessary to prevent skin contact.

SECTION 9 — PHYSICAL / CHEMICAL PROPERTIES

PHYSICAL STATE: Wax	COLOR: White
ODOR: Mild	ODOR THRESHOLD: Not available
pH: Not applicable	VAPOR PRESSURE: < 10 mm hg (27 °C (80.6 °F))
BOILING POINT/RANGE: > 149 °C (> 300.2 °F)	MELTING POINT/ RANGE: Not available
SPECIFIC GRAVITY: 1.1394	VAPOR DENSITY: Not available
FLASH POINT: Not applicable	FLAMMABLE/EXPLOSIVE LIMITS LOWER: Not available
AUTO-IGNITION TEMPERATURE: Not available	UPPER: Not available
EVAPORATION RATE: Not available	SOLUBILITY IN WATER: Slight
PARTITION COEFFICIENT (N-OCTANOL/WATER): Not available	VOC CONTENT: 1.06 %; 12.06 g/l

SECTION 10 — STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS REACTIONS: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon. Toxic fluorine compounds. Irritating organic vapors.
INCOMPATIBLE MATERIALS: Strong oxidizing agents.
CONDITIONS TO AVOID: See HANDLING AND STORAGE (*Section 7*) and INCOMPATIBILITY (*Section 10*).

SECTION 11 — TOXICOLOGICAL INFORMATION

ACUTE ORAL PRODUCT TOXICITY: LD₅₀ (rat) > 10,000 mg/kg (Estimated)
ACUTE DERMAL PRODUCT TOXICITY: LD₅₀ (rabbit) > 5,000 mg/kg (Estimated)

HAZARDOUS COMPONENTS	NTP CARCINOGEN	IARC CARCINOGEN	OSHA CARCINOGEN (Specifically Regulated)
POLYGLYCOL DIOCTANOATE	No	No	No
POLYGLYCOL DIMETHACRYLATE	No	No	No
2-PROPENOIC ACID, 2-METHYL-, (1-METHYLETHYLIDENE)	No	No	No
THIXOTROPIC AGENT	No	No	No
BISPHENOL A FUMARATE RESIN	No	No	No
SILICA, AMORPHOUS, FUMED, CRYSTAL-FREE	No	No	No
ETHYLENE GLYCOL	No	No	No
TITANIUM DIOXIDE	No	Group 2B	No
SACCHARIN	No	No	No

HAZARDOUS COMPONENTS	HEALTH EFFECTS/TARGET ORGANS
POLYGLYCOL DIOCTANOATE	Irritant
POLYGLYCOL DIMETHACRYLATE	Irritant, Allergen
2-PROPENOIC ACID, 2-METHYL-, (1-METHYLETHYLIDENE)	Irritant, Allergen
THIXOTROPIC AGENT	No Data
BISPHENOL A FUMARATE RESIN	Irritant, Allergen
SILICA, AMORPHOUS, FUMED, CRYSTAL-FREE	Nuisance dust
ETHYLENE GLYCOL	Blood, Bone Marrow, Central nervous system, Developmental, Eyes, Irritant, Kidney, Liver, Metabolic
TITANIUM DIOXIDE	Irritant, Respiratory, Some evidence of carcinogenicity
SACCHARIN	No Target Organs

SECTION 12 — ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not available

SECTION 13 — DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

RECOMMENDED METHOD OF DISPOSAL: Follow all local, State, Federal and Provincial regulations for disposal.

HAZARDOUS WASTE NUMBER: Not a RCRA hazardous waste.

SECTION 14 — TRANSPORTATION INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION GROUND (49 CFR)

PROPER SHIPPING NAME: Not Regulated
IDENTIFICATION NUMBER: None
HAZARD CLASS OR DIVISION: None
PACKING GROUP: None

INTERNATIONAL AIR TRANSPORTATION (ICAO/IATA)

PROPER SHIPPING NAME: Not Regulated
IDENTIFICATION NUMBER: None
HAZARD CLASS OR DIVISION: None
PACKING GROUP: None

WATER TRANSPORTATION (IMO/IMDG)

PROPER SHIPPING NAME: Not Regulated
IDENTIFICATION NUMBER: None
HAZARD CLASS OR DIVISION: None
PACKING GROUP: None

SECTION 15 — REGULATORY INFORMATION**UNITED STATES REGULATORY INFORMATION**

TSCA 8 (B) INVENTORY STATUS: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12(B) EXPORT NOTIFICATION: None above reporting de minimus.

CERCLA/SARA SECTION 302 EHS: None above reporting de minimus

CERCLA/SARA SECTION 311/312: Delayed Health, Immediate Health.

CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).
ETHYLENE GLYCOL (CAS# 107-21-1).

CERCLA REPORTABLE QUANTITY: SACCHARIN (CAS# 81-07-2) 100 lbs. (45.4 kg)
CUMENE HYDROPEROXIDE (CAS# 80-15-9) 10 lbs. (4.54 kg)

CALIFORNIA PROPOSITION 65: This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

CANADA REGULATORY INFORMATION

CEPA DSL/NDL STATUS: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

WHMIS HAZARD CLASS: D.2.A, D.2.B

SECTION 16 — OTHER INFORMATION

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Chromate Industrial Corporation (CIC) does not assume responsibility for any results obtained by persons over whose methods CIC has no control. It is the user's responsibility to determine the suitability of CIC's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of CIC's products. In light of the foregoing, CIC specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of CIC's products. CIC further disclaims any liability for consequential or incidental damages of any kind, including lost profits.