

# Safety Data Sheet



## 1. Product and Company Identification

Product Name: **PS 8802-2TC part B**  
Material Uses: Polysulfide Sealant  
(M)SDS#: 8802-2TC-B-20160627  
Validation Date: Jun-27-2016  
Supplier/Manufacturer: Specialty Polymers & Services, Inc. (SP&S, Inc.)  
27822 Fremont Court Valencia, CA 91355  
Non-emergency phone number: (661) 294-1790 (7AM – 5PM PST)  
E-mail: [msds@spolymers.com](mailto:msds@spolymers.com)

In case of emergency: Chemtrec (800) 424-9300 or (703) 527-3887

## 2. Hazards Identification

### GHS CLASSIFICATION OF SUBSTANCE OR MIXTURE:

Skin sensitization:	Category 1, H317	Eye damage:	Category 4, H322
Acute toxicity, oral	Category 4, H302	Reproductive Toxicity:	Category 2, H361
Carcinogenicity	Category 2, H351		

### GHS LABEL ELEMENTS:

#### HAZARD SYMBOLS:



**SIGNAL WORDS:** Danger

#### HAZARD STATEMENTS:

H302 Harmful if swallowed	H322 May cause eye damage
H317 May cause an allergic skin reaction	H351 Suspected of Causing Cancer
H361 Suspected of damaging fertility or the unborn child	

### PRECAUTIONARY STATEMENTS:

**PREVENTION:** P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat/sparks/open flames and hot surface – no smoking  
P261+262+263 Avoid breathing dust/fumes/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Avoid contact during pregnancy/while nursing.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P273 Avoid release to the environment.  
P280 Wear protective gloves, clothing, and eye/face protection.

**RESPONSE:** P301+P330+P331+P312 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call POISON CENTER and/or doctor if you feel unwell.  
P303+P361+P634+P353+P352 IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower. Wash with plenty of soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical attention.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 IF exposed or concerned: Get medical attention.  
P391 Collect spillage.

**STORAGE:** P403+P233 Store in a well-ventilated place. Keep container tightly closed.

**DISPOSAL:** P501 Dispose of contents and containers in accordance with local, regional and international regulations.

Precautionary statements are listed according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS) – Annex III

See toxicological information (section 11)

General Information: Read entire MSDS for a more thorough evaluation of the hazards

### 3. Composition / Information on Ingredients

Name	CAS Number	%
1313-13-9	Manganese Dioxide	< 65%
Manganese dioxide, <65%	131-13-9	< 10%
TERPHENYL, HYDROGENATED	61788-32-7	< 50%
ZEOLITES	1318-02-1	< 10%
TALC	14807-96-6	< 15%
CARBON BLACK	1333-86-4	< 10%
TERPHENYL	26140-60-3	< 10%
1,3 DIPHENYLGUANIDINE	102-06-7	< 3%
BIS(PIPERIDINOTHIOCARBONYL) TETRASULFIDE	120-54-7	< 3%
POLYPHENYL, QUARTER AND HIGHER	68956-74-1	< 10%
MAGNESIUM CARBONATE	546-93-0	< 10%

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

### 4. First Aid Measures

Eye Contact:	Check for and remove any contact lenses. 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. Get immediate medical attention.
Skin Contact:	In case of contact, wash affected areas with plenty of water, and soap, if available, for several minutes. Remove and clean contaminated clothing and shoes before re-use. Get medical attention if irritation occurs.
Inhalation:	Move exposed person to fresh air. If not breathing, give artificial respiration or oxygen. If breathing is difficult, transport to medical care and, if available, give supplemental oxygen. Loosen tight clothing such as a collar, tie, belt, or waistband. Get immediate medical attention.
Ingestion:	Wash out mouth with water. If swallowed dilute by giving two (2) glasses water to drink. Do not induce vomiting until direct to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical attention.
Note to physician:	No specific treatment. Treat symptomatically. Call poison control center if large quantities were ingested

### 5. Fire-Fighting Measures

Flash point:	>200°F (>93°C), closed cup
Hazardous Thermal Decomposition Products:	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, halogenated compounds, metal oxides and other oxides.
Extinguishing Media:	Carbon dioxide, foam, dry chemical, water spray as suitable for the surrounding fire.
Special Exposure Hazards:	Promptly isolate the scene by removing all persons from the vicinity of the fire. No actions shall be taken involving any personal risk or without suitable training.
Special Protective equipment for fire-fighters:	No Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### 6. Accidental Release Measures

Personal Precautions: No actions shall be taken involving any personal risk or without suitable training. Evacuate

surrounding areas. Keep unnecessary and unprotected personnel from entering area. Do not touch or walk through spilled material. Avoid breathing vapor or mist and provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Environmental Avoid dispersal of spilled material and runoff that leads to contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution.  
 Precautions:  
 Methods of Clean Up: Stop leak if without risk. Move containers from spill area. Approach spill from up wind if possible. Prevent spill from entering sewers, rivers and other water courses, basements, or confined areas. Wash into effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material (e.g. sand, earth, vermiculite, or diatomaceous earth) and place in container for disposal according to local regulations. Dispose of only using a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information.

**7. Handling and Storage**

Handling: Wear appropriate personal protective equipment (see Section 8) when handling. Eating, drinking, and smoking should be prohibited in areas where chemical are handled, stored, or processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Persons with a history of skin sensitization problems should be employed in processes where this material is used. Keep in the original container or a suitable alternate made from a compatible material. Keep all containers tightly closed when not in use. Empty containers retain product residue and should be disposed of properly. Do not reuse empty containers for other purposes or to hold other materials.

Storage: Store in accordance with local regulations. **Store in original containers, in a -40°C freezer.** Keep away from incompatible materials (see Section 10) and food and drink. Keep all containers tightly closed when not in use and tightly re-seal after use. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. **NOTE: This is a frozen product and must be stored at -40°C or colder to retain its shelf-life. Warmer storage temperatures will result in viscosity increases and a shorter shelf-life and will eventually cause the material to cure.**

**8. Exposure Controls / Personal Protection**

Substance	Exposure Controls
Manganese dioxide	OSHA: 5pm; ACGIH 5 mg/m <sup>3</sup>
Recommended Monitoring Procedures:	If this product contains ingredients with exposure limits, personal, workplace, atmospheric, or biological monitoring may be required to determine the effectiveness of the ventilation system or other control measures and/or to determine whether it is necessary to use respiratory protective equipment. It will also be necessary to reviewed national guidance documents for determining how to handle and relevant Hazardous Substances
Engineering measures:	No special ventilation requirements are necessary for this product. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure below the recommended or statutory limits
Hygiene measures:	Wash hands, forearms, and face thoroughly after handling any chemical products, before eating, smoking, and using the lavatory and at the end of the work period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal Protection**

Respiratory: In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands: Chemical Resistant, impervious gloves that comply with an approved safety standard should be worn at all times when handling chemical products if a risk assessment indicates that this is necessary. Consider the parameters specified by the glove manufacture and check gloves during use to ensure they are retaining their protective properties.

Eyes: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, or dusts. If contact is possible use

chemical splash goggles unless a higher degree of protection is required.

**Skin:** Personal Protective equipment for the body should be selected based on the task being performed and the risks involved. Typical protective equipment includes non-absorbent lab coats, disposable protective sleeves, coats, or whole body suits. See a safety specialist to determine the appropriate level of protection for your task.

**Environmental Exposure Controls:** Emissions from ventilation or work processes should be checked to ensure they comply with the requirements of environmental regulations. In some cases, fume scrubbers, filters, or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### 9. Physical and Chemical Properties

Appearance:	Black semi-paste	Odor	Minor oily odor
Boiling Point:	Not determined	Freezing Point:	Not available
Flash Point:	>200°F (>93°C), closed cup	pH:	9
Auto-ignition Temperature:	Not available	Flammable Limits:	Not available
Vapor Pressure:	< 1 mm Hg at 20°C (68 °F)	Water Solubility:	negligible
Specific Gravity:	~2.0	Vapor Density:	>1 (Air = 1)
Evaporation Rate:	Not determined (butyl acetate =1)	VOC:	< 2% by volume
Viscosity:	>110,000 cps (self-levelling liquid)		

### 10. Stability and Reactivity

Chemical Stability:	This product is stable, under normal conditions of storage and use, hazardous reactions will not occur.
Hazardous Polymerization:	Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions to Avoid:	High temperatures and exposure to strong oxidizing agents, acids, and bases
Hazardous Decomposition	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### 11. Toxicological Information

#### Acute Toxicity

Product/Ingredient Name	Test	Endpoint	Species	Result
Manganese dioxide	Oral toxicity	LD50	Rat	3478 mg/kg
Not available				

#### Irritation / Corrosion

Product/Ingredient Name	Test	Species	Result
Not available			

#### Sensitizer

Product/Ingredient Name	Test	Species	Result
Not available			

#### Mutagenicity

Product/Ingredient Name	Test	Result
Not available		

**Conclusion/ Summary:** – the weight of scientific evidence indicates that the components of this product are not genotoxic

#### Carcinogenicity

Zeolites are classified by IARC as Group 3 (Not classifiable as to its carcinogenicity to humans). Carbon Black as a respirable dust is classified by IARC as 2B (possibly carcinogenic to human). However, the carbon black present in this product is wetted in liquids and therefore not available as a respirable dust. No other component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH, NTP or OSHA.

#### Reproductive Toxicity

Product/Ingredient Name	Test	Species	Maternal Toxicity	Fertility	Developmental Effects
Not available					

#### Teratogenicity

Product/Ingredient Name	Test	Species	Results
Not available			

### Potential Acute Health Effects

Inhalation: May cause headache, weakness, fatigue, or drowsiness.  
Ingestion: May organ damage or be toxic  
Skin Contact: Mildly Irritating to Skin.  
Eye Contact: May be irritating to the eyes.

### Potential Chronic Health Effects

Product/Ingredient Name	Test	Endpoint	Species	Results
Manganese Dioxide				

General: Once sensitized, an allergic reaction may occur when subsequently exposed to very low levels  
Target Organs: Central Nervous System & Lungs  
Carcinogenicity: No known significant effects or critical hazards  
Mutagenicity: No known significant effects or critical hazards  
Teratogenicity: No known significant effects or critical hazards  
Developmental Effects: No known significant effects or critical hazards  
Fertility Effects: No known significant effects or critical hazards

## 12. Ecological Information

**Environmental Effects:** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Water polluting material. May be harmful to the environment if released in large quantities.

### Aquatic Ecotoxicity

Product/Ingredient Name	Test	Endpoint	Exposure	Species	Result
Not available					

### Persistence and Degradability

Product/Ingredient Name	Test	Period	Result
Not available			

Product/Ingredient Name	Aquatic half-life	Photolysis	Biodegradability
Not available	-	-	Not readily

### Bioaccumulative potential

Product/Ingredient Name	Log P <sub>ow</sub>	BCF	Potential
Not available			

Other adverse effects: No known significant effects or critical hazards  
Other information: BOD5: Not determined COD: Not Determined TOC: Not determined

## 13. Disposal Consideration

**Waste Disposal Method:** Disposal of this products, solutions, and by-products should at all times comply with the requirements of environmental and waste disposal legislation and any regional or local authority requirements. Dispose of surplus, non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed on untreated to the sewer system unless this is complaint with all applicable laws and regulations. Incineration by an approved and licensed contractor is the most common disposal method. Packaging materials that and absorbents containing the product can typically be landfilled or incinerated. Contact local authorities to determine the proper means of disposal in your area.

## 14. Transport Information

Not regulated for transportation purposes under 49CFR (US DOT), TDG (Canada), IATA, and IMDG regulations.

## 15. REGULATORY INFORMATION

### US Federal Regulations:

**Occupational Safety and Health Act (OSHA):** This product is considered to be a hazardous chemical under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Resource Conservation and Recovery Act (RCRA):** This product is considered to be a hazardous waste under RCRA (40 CFR 261).

**SARA Title III: Section 304 - CERCLA:** This product contains chemicals regulated under Section 304 as extremely hazardous substance(s) for emergency release notification ("CERCLA" List):

Ingredient	CAS #	Component RQ (lbs.)	Calculated Product RQ (Lbs.)
Manganese Dioxide	1313-13-9	Not Determined	

**SARA Title III: Section 311/312 - Hazard Communication Standard (HCS):** Immediate (acute) health hazard  
Delayed (chronic) health hazard

**SARA Title III: Section 313 Toxic Chemical List (TCL):** This product does not contain a toxic chemical for routine annual Toxic Chemical Release Reporting under section 313 (40 CFR 372).

**TSCA Section 8(b) - Inventory Status:** All chemical(s) comprising this product are listed on the TSCA inventory.

**TSCA Section 12(b) - Export Notification:** This product does not contain chemicals which are subject to Section 12(b) export notification:

**State Regulations:**

**California Proposition 65:** his product contains a chemical or chemicals known by the State of California to cause cancer, birth defects, or other reproductive harm

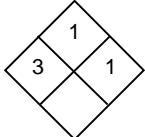
**International Regulations:**

**WHMIS:** Class D-2B: Material causing other toxic effects

**International Lists:**

Australia Inventory (AICS):	all components are listed or exempt	Malaysia Inventory (EHS register):	not determined
Canadian Inventory (CEPA-DSL):	all components are listed or exempt	New Zealand Inv. of Chem. (NZIoC):	all components are listed or exempt
China Inventory (IECSC):	all components are listed or exempt	Philippines Inventory (PICCS):	all components are listed or exempt
Japan Inventory:	all components are listed or exempt	Taiwan Inventory (CSNN):	not determined
Korea Inventory:	all components are listed or exempt		

**16. OTHER INFORMATION**

Hazardous Material Information System (HMIS) - USA		National Fire Protection Association (USA):	
Health	3		
Flammability	1		
Physical Hazards	1		
Personal Protection	G*		

\*suggested minimum personal protection equipment. End user must determine appropriateness of these suggestions for their applications and usage conditions.

**Reason Issued:** update to new format

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**Approved By:** Chris Meyer Title: Vice President

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The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.