



Material Safety Data Sheet

**CHEMTREC
Transportation
Emergency Phone: 800-424-9300**

**Pittsburgh Poison
Control Center
Health Emergency No.:
412-681-6669**

•NOTE: The CHEMTREC
•Transportation Emergency Phone is to
•be used only in the event of chemical
•emergencies involving a spill, leak,
•fire, exposure or accident involving
•chemicals

Section 1 - Chemical Product / Company Information

Product Name: SPECIAL SILICA FILLER #3 **Revision Date:** 07/11/2012
Identification Number: PLMSDS 4403C1NL **Supercedes :** 11/24/2008
Product Use/Class: Filler - FOR INDUSTRIAL USE ONLY **Preparer:** Regulatory, Department
Manufacturer: Carboline Company
2150 Schuetz Road
St. Louis, MO 63146
(800) 848-4645

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA-CEIL
MICROCRYSTALLINE SILICA	14808-60-7	100.0	0.025 MG/M3 (respirable)	N/E	0.1 MG/M3 (respirable)	N/E

Section 3 - Hazards Identification

Emergency Overview: Contains SILICA which can cause cancer. Risk of Cancer depends on duration and level of exposure.

Effects Of Overexposure - Eye Contact: Can cause eye irritation.

Effects Of Overexposure - Skin Contact: Can cause skin irritation.

Effects Of Overexposure - Inhalation: Shortness of breath, coughing, reduced pulmonary function. Prolonged inhalation of respirable silica will result in permanent lung damage, silicosis.

Effects Of Overexposure - Ingestion: May cause gastrointestinal discomfort. see a physician if discomfort persists.

Effects Of Overexposure - Chronic Hazards: Crystalline silica is known to cause silicosis. Crystalline silica (Quartz) is classified as a known human carcinogen (Group 1) by IARC. Exposure is by route of inhalation. If material is in a liquid matrix it is unlikely to be inhaled. However, when sanding or grinding the finished product, there may be potential for crystalline silica to become airborne. Long term dust inhalation in excess of the PEL or TLV may decrease the ability of the lungs to clear particulate matter which may cause shortness of breath and

increased susceptibility to respiratory disease.

Primary Route(s) Of Entry: Skin Contact, Inhalation, Ingestion, Eye Contact

Medical Conditions Prone to Aggravation by Exposure: If you have a condition that could be aggravated by exposure to dust or organic vapors, see a physician prior to use.

Section 4 - First Aid Measures

First Aid - Eye Contact: Flush eyes with running water for at least 15 minutes. Seek medical attention if irritation persists.

First Aid - Skin Contact: Wash skin thoroughly with soap and water.

First Aid - Inhalation: Move person to fresh air. Seek medical attention if irritation persists.

First Aid - Ingestion: Ingestion of this material is unlikely. If material is ingested, give 1 or 2 glasses of water. If discomfort persists, see a physician.

Section 5 - Fire Fighting Measures

Flash Point, F: N/A
(N/A)

Lower Explosive Limit, %: N/A
Upper Explosive Limit, %: N/A

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Fog

Unusual Fire And Explosion Hazards: None known.

Special Firefighting Procedures: None. Product will not burn.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Sweep up material and place in appropriate disposal container. Use sweeping compound or other cleaning aids to pick up residues. Wash down area thoroughly with water. Dispose of material in accordance with all federal, state, and local regulations. Use personal protective equipment as necessary.

Section 7 - Handling And Storage

Handling: Avoid breathing vapors or spray mist. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

Storage: Keep Dry. Keep containers closed when not in use. Store in a cool, dry place with adequate ventilation.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: General ventilation should be provided to maintain ambient concentrations below nuisance levels.

Respiratory Protection: Use only with ventilation to keep levels below exposure guidelines listed in Section 2. User should test and monitor exposure levels to ensure all personnel are

below guidelines. If not sure, or not able to monitor, use MSHA/NIOSH approved supplied air respirator. Follow all current OSHA requirements for respirator use. For silica containing coatings in a liquid state, and/or if no exposure limits are established in Section 2 above, supplied air respirators are generally not required.

Skin Protection: Wear protective gloves, as needed, to prevent skin contact.

Eye Protection: Recommend safety glasses with side shields or chemical goggles to avoid eye contact.

Other protective equipment: None required.

Hygienic Practices: Handle in accordance with good industrial hygiene and safety practices. These practices include: avoiding unnecessary exposures to dusts and fibers by using good local exhaust ventilation; removal of the material from the skin and eyes after exposure; removal of material from clothing (Use vacuum equipment to remove fibers and dusts from clothing. Compressed air should never be used. Always wash contaminated work clothes separately from other laundry and wipe out washer / sink to prevent loose fibers from getting on other articles); keep the work area clean of dusts and fibers generated during fabrication (Use vacuum equipment to clean up dusts and fibers. Avoid sweeping or using compressed air as these techniques re-suspend dusts and fibers into the air.) and; have access to safety showers and eye wash stations.

Section 9 - Physical And Chemical Properties

Boiling Range:	N/A - N/A	Vapor Density:	N/A
Odor:	Dusty	Odor Threshold:	N/D
Appearance:	White Powder	Evaporation Rate:	Slower Than Ether
Solubility in H2O:	N/D		
Freeze Point:	N/A	Specific Gravity:	2.52
Vapor Pressure:	N/D	PH:	N/D
Physical State:	Solid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Exposure to moisture.

Incompatibility: None

Hazardous Decomposition Products: None are known.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Product LD50: N/D

Product LC50: N/D

Chemical Name	CAS Number	LD50	LC50
MICROCRYSTALLINE SILICA	14808-60-7	NOT AVAILABLE	NOT AVAILABLE

Section 12 - Ecological Information

Ecological Information: No data

Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance with applicable federal, state and local regulations.

Section 14 - Transportation Information

DOT Proper Shipping Name:	Not Regulated	Packing Group:	N/A
DOT Technical Name:	N/A	Hazard Subclass:	N/A
DOT Hazard Class:	None	Resp. Guide Page:	N/A
DOT UN/NA Number:	None		

Additional Notes: None.

Section 15 - Regulatory Information

CERCLA - SARA HAZARD CATEGORY

This product has been reviewed according to the EPA Hazard Categories promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

SARA SECTION 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Section 313 Substances exist in this product

TOXIC SUBSTANCES CONTROL ACT

All components of this product are listed on the TSCA inventory.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(B) Substances exist in this product

U.S. STATE REGULATIONS AS FOLLOWS:

NEW JERSEY RIGHT-TO-KNOW

The following materials are non-hazardous, but are among the top five components in this product.

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product at greater than 3%.

CALIFORNIA PROPOSITION 65

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Chemical Name
MICROCRYSTALLINE SILICA

CAS Number
14808-60-7

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards:

No California Proposition 65 Reproductive Toxins exist

INTERNATIONAL REGULATIONS AS FOLLOWS:

CANADIAN WHMIS

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: D2A

Section 16 - Other Information

HMIS Ratings

Health: 1 **Flammability:** 0 **Reactivity:** 0 **Personal Protection:** E

VOLATILE ORGANIC COMPOUNDS, GR/LTR MIXED (UNTHINNED): See Part A MSDS

REASON FOR REVISION: Changes made in Section(s) 1 and 10.

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

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