



SAFETY DATA SHEET

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| Current Revision: 1, 3/8/2016 | Prepared By: Ben Ward, Product Engineer |
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I. IDENTIFICATION

| | |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| EMERGENCY PHONE: CHEMTREC- (800) 424-9300 CCN: 19481 | Salem Fabrication Supplies 5901 Gun Club Road Winston-Salem, NC 27103 Information: (800) 234-1982 |
| PRODUCT NAME: Salem Carbosil | |
| SYNONYMS: Silicon Carbide Mixture | |

Recommended Use:

Industrial processing

Restrictions:

N/A

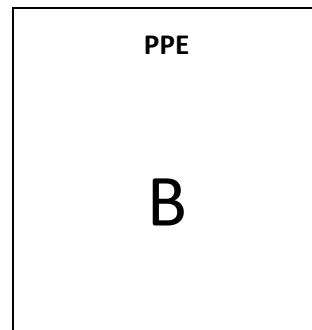
II. HAZARD IDENTIFICATION

Classification (§1910.1200):

Carcinogen 1A May cause cancer. Route of exposure: inhalation.

Signal Word/Symbols:

NFPA 704



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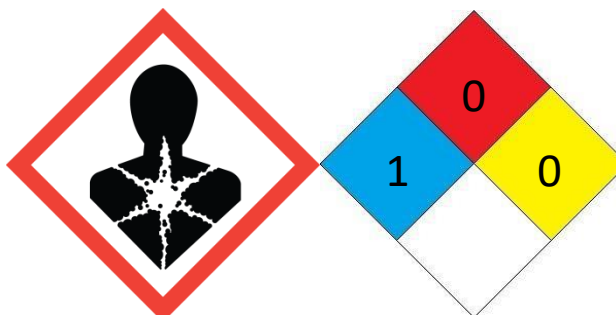
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DANGER

Hazard Statement:

H350: May cause cancer. Route of exposure: Inhalative.

Precautionary Statement:

P281: Use personal protective equipment as required.
 P202: Do not handle until all safety precautions have been read and understood.
 P308 + P313: IF exposed or concerned: Get medical advice/attention.
 P501: Dispose of contents/containers in accordance with local/regional/national/international regulations.

Miscellaneous Hazards:

N/A

Unknown Acute Toxicity Statement:

N/A

III.COMPOSITION

| CHEMICAL NAME: | COMMON NAMES: | CAS: | % BY WEIGHT: |
|----------------------------|-------------------------|------------|--------------|
| Quartz (SiO ₂) | Silicon dioxide, silica | 14808-60-7 | <0.5 |

Classified Impurities and Additives:

N/A

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IV. FIRST AID MEASURES

Inhalation:

Provide oxygen treatment if affected person has difficulty breathing. Supply fresh air; consult doctor in case of complaints.

Skin Contact:

Brush off loose particles from skin. If skin irritation is experienced, consult a doctor. Wash with soap and water.

Eye Contact:

Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Ingestion:

Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

Symptoms/Effects:

Slight irritant effect on eyes. Slight irritant effect on skin and mucous membranes. Breathing difficulty. Coughing. May cause cancer. Route of exposure: Inhalative.

Level Of Medical Attention Needed:

Seek medical attention if symptoms persist.

V. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Use fire extinguishing methods suitable to surrounding conditions.

Unsuitable Extinguishing Media:

N/A

Specific Hazards:

N/A

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Special Protective Equipment:

Wear self-contained respiratory protective device. Wear fully protective suit.

VI.ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Ensure adequate ventilation. Avoid formation of dust. For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

Protective Equipment:

For large spills, wear protective clothing.

Emergency Procedures:

N/A

Methods for Cleanup/Removal:

Pick up mechanically. Dispose contaminated material as waste according to item 13. Send for recovery or disposal in suitable receptacles.

VII.HANDLING AND STORAGE

Handling Precautions:

Prevent formation of dust. Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water. Any unavoidable deposit of dust must be regularly removed. Use only in well ventilated areas.

Safe Storage Conditions:

Store away from foodstuffs.

Incompatibilities:

Store away from oxidizing agents.

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VIII. EXPOSURE CONTROLS AND PROTECTIVE EQUIPMENT

| OSHA PEL: | ACGIH TLV: | OTHER EXPOSURE LIMITS: |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>SILICON CARBIDE (SiC) Long-term value (LTV): 15 total dust; 15 mg/m³ resp frac</p> <p>QUARTZ See SiC</p> | <p>SiC LTV: 10 inh, 3 mg/m³ resp Fibrous dust: 0.1 f/cc</p> <p>QUARTZ LTV: 0.025 mg/m³ resp fraction</p> | <p>SiC REL LTV: 10 total dust, 5 mg/m³ resp fract EL (Canada) LTV: 10 inhalable 3mg/m³ respirable EV (Canada) LTV: 10 inh 3mg/m³ resp, 0.1 f/cc fibrous ppm</p> <p>QUARTZ REL LTV: 0,05mg/m³ respirable dust EL (Canada) LTV: 0.025 mg/m³ EV (Canada) Long-term value: 0.10 mg/m³ resp fract</p> |

Appropriate Engineering Controls:

N/A

Personal Protective Measures:

Safety glasses, protective gloves, and respiratory protection when high concentrations are present.

The usual precautionary measures are to be adhered to when handling chemicals.

Immediately remove all soiled and contaminated clothing. Do not inhale dust / smoke / mist. Avoid contact with the eyes and skin. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

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Black granulate

| | | |
|---------------------------------------------------------|------------------------------------------|----------------------------------------------------------|
| Odor: None | Odor Threshold: N/A | Ph: N/A |
| Melting/Freezing Point: N/A | Boiling Point: N/A | Boiling Range: N/A |
| Flash Point: N/A | Evaporation Rate: N/A | Flammability (Solid, Gas): N/A |
| Upper/Lower Flammability/Explosive Limit: N/A | Vapor Pressure: N/A | Vapor Density: N/A |
| Relative Density: N/A | Solubility (ies): Insoluble | Partition Coefficient: NOctanol/Water: N/A |
| Auto Ignition Temperature: N/A | Decomposition Temperature: N/A | Viscosity: N/A |

X.STABILITY AND REACTIVITY

Reactivity:

N/A

Chemical Stability:

Stable under normal conditions.

Possibility of Hazardous Reactions:

Reacts with strong alkali. Reacts with strong oxidizing agents.

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Conditions to Avoid: Static Discharge, Shock, Vibrations, Etc.

N/A

Incompatible Materials:

Strong alkali and strong oxidizing agents.

Hazardous Decomposition Products:

Possible in traces.

XI. TOXICOLOGICAL INFORMATION

Possible Exposure Routes (Inhalation Etc.):

Skin, eyes, inhalation, and ingestion.

Symptoms Related To Toxicological Characteristics:

Slight irritant effect on eyes.

Slight irritant effect on skin and mucous membranes.

Delayed, Immediate, and Chronic Effects:

May cause cancer. Route of exposure: Inhalative.

May cause damage to organs through prolonged or repeated exposure. Repeated exposures may result in skin and/or respiratory sensitivity.

Numerical Toxicity Measurements:

N/A

NTP/IARC/OSHA Known Carcinogen:

PROP 65 (California): 14808-60-7 Quartz (SiO₂)

IARC: Quartz (SiO₂) 1

OSHA GHS CMR: Quartz Carcinogen 1A

XII. ECOLOGICAL INFORMATION

Ecotoxicity:

No data

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Persistence and Degradability:

N/A

Bioaccumulative Potential:

N/A

Soil Mobility:

N/A

Other Adverse Effects:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

XIII. DISPOSAL CONSIDERATIONS

Waste Residue and Disposal:

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Contact waste processors for recycling information. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

XIV. TRANSPORT INFORMATION

| | | |
|--------------------------|----------------------------------------|--------------------------------------------|
| UN Number: N/A | UN Proper Shipping Name: N/A | Transport Hazard Class (es): N/A |
| | | |

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|------------------------------|--------------------------------------|----------------------------------------------------------------------|
| Packing Group: N/A | Environmental Hazards: N/A | Transport in Bulk (Annex LI MARPOL 73/78 and IBC Code) N/A |
|------------------------------|--------------------------------------|----------------------------------------------------------------------|

Special Precautions:

Do not release into the environment.

XV. REGULATORY INFORMATION

Environmental/ Health/ Safety:

USA

SARA

TSCA (Toxic Substance Control Act)- Substance is listed

Proposition 65 California- Chemicals known to cause cancer Quartz

IARC (International Agency for Research on Cancer)- Quartz 1

Germany

MAK (German Maximum Workplace Concentration): Silicon Carbide 2, Quartz 1

XVI. OTHER INFORMATION

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Salem Fabrication Supplies. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or in any process. Salem Fabrication Supplies assumes no legal responsibility for use of or reliance upon this information.

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