

# Safety Data Sheet (SDS)

## Section 1: Identification

- Product Name: Crystalline Silica (Respirable Dust)
- Supplier: **Eastern Construction Supplies Inc.**
- Address:
  - **17078 Evergreen Pl., City of Industry, CA 91745**
  - **13333 Sherman Way, North Hollywood, CA 91605**
- Phone Number: 626-877-9288
- Recommended Use: Industrial / construction material processing
- Restrictions on Use: For professional use only

## Section 2: Hazard Identification

- Classification:
  - o Carcinogen: Category 1A
  - o Specific Target Organ Toxicity (Repeated Exposure): Category 1 (Lungs)
- Signal Word: DANGER
- Hazard Statements:
  - o May cause cancer by inhalation.
  - o Causes damage to lungs through prolonged or repeated exposure.
  - o Dust generated from cutting, grinding, or drilling materials may be hazardous.
- Precautionary Statements:
  - o Do not breathe dust.

- o Use only outdoors or in well-ventilated areas.
- o Wear appropriate respiratory protection (NIOSH-approved respirator).
- o Avoid generating dust whenever possible.
- o Wash hands thoroughly after handling.

**Section 3: Composition/Information on Ingredients**

Ingredient	CAS Number	% by Weight
Crystalline Silica	14808-60-7	70%–100%

**Section 4: First Aid Measures**

- Inhalation: Remove to fresh air immediately. Seek medical attention if symptoms persist.
- Skin Contact: Wash thoroughly with soap and water.
- Eye Contact: Rinse cautiously with water for several minutes. Seek medical attention if irritation continues.
- Ingestion: Seek medical attention. Do not induce vomiting.

**Section 5: Fire-Fighting Measures**

- Suitable Extinguishing Media: Not flammable. Use extinguishing media suitable for surrounding fire.
- Specific Hazards: None known.
- Protective Equipment: Firefighters should wear standard protective gear.

**Section 6: Accidental Release Measures**

- Avoid creating airborne dust.
- Use appropriate PPE.
- Clean using wet methods or HEPA-filter vacuum.
- Avoid dry sweeping.

### **Section 7: Handling and Storage**

- Use proper dust control methods (wet cutting preferred).
- Avoid inhalation of dust.
- Store in a dry, well-ventilated area.
- Keep containers closed when not in use.

### **Section 8: Exposure Controls / Personal Protection**

- OSHA PEL: 50  $\mu\text{g}/\text{m}^3$  (8-hour TWA)
- Engineering Controls:
  - Use local exhaust ventilation
  - Use dust collection systems
- Personal Protective Equipment (PPE):
  - Respiratory: NIOSH-approved respirator (N95 or better)
  - Eye Protection: Safety goggles or face shield
  - Skin Protection: Protective gloves
  - Clothing: Protective workwear as needed

### **Section 9: Physical and Chemical Properties**

- Appearance: Fine dust particles
- Color: White / Off-white
- Odor: Odorless
- Solubility: Insoluble in water

### **Section 10: Stability and Reactivity**

- Chemical Stability: Stable under normal conditions
- Conditions to Avoid: Dust generation
- Incompatible Materials: Strong acids

#### **Section 11: Toxicological Information**

- Likely Routes of Exposure: Inhalation
- Health Effects:
  - o Silicosis
  - o Lung damage
  - o Increased risk of lung cancer

#### **Section 12: Ecological Information**

- No significant environmental hazards known under normal use conditions.

#### **Section 13: Disposal Considerations**

- Dispose in accordance with local, state, and federal regulations.

#### **Section 14: Transport Information**

- Not regulated as hazardous material.

#### **Section 15: Regulatory Information**

- OSHA Hazard Communication Standard (29 CFR 1910.1200)
- California Proposition 65 (Cancer warning)

#### **Section 16: Other Information**

This SDS is provided for informational purposes only and does not replace professional safety training or regulatory compliance requirements.