
Section 8: Exposure Controls / Personal Protection (Cont.)

Exposure Guidelines

001309-48-4 *Magnesium Oxide*

IDLH: 750 mg/m³
 OSHA PEL: 15 mg/m³ TWA (Total Particulate)
 ACGIH TLV: 10 mg/m³ TWA
 CANADA 10 mg/m³ TWA, 20 mg/m³ STEL

001344-28-1 *Aluminum Oxide (non-fibrous)*

OSHA PEL 15 mg/m³ TWA, Total Dust; 5 mg/m³ TWA, Respirable Fraction
 ACGIH TLV: 10 mg/m³ TWA, Inhalable (total) particulate matter

007440-44-0 *Synthetic Graphite*

OSHA PEL: 15 mg/m³ TWA (Total dust), 5 mg/m³ TWA (Respirable fraction)
 CANADA 10 mg/m³ TWA (Total dust), 5 mg/m³ TWA (Respirable fraction)

007727-43-7 *Barium Sulfate*

OSHA PEL: 15 mg/m³ TWA (Total dust), 5 mg/m³ TWA (Respirable fraction)
 NIOSH: 10 mg/m³ TWA (Total dust), 5 mg/m³ TWA (Respirable fraction)
 ACGIH TLV: 10 mg/m³ TWA

014808-60-7 *Silica, Crystalline (Quartz)*

IDLH: 50 mg/m³
 OSHA PEL
 ppm: 250 / % SiO₂ + 5 millions of particles per cubic foot of air (mppcfa); (Respirable dust) % crystalline silica based on airborne samples
 mg/m³: 30 mg/m³ / % SiO₂ + 2 (Total dusts);
 10 mg/m³ / % SiO₂ + 2 (Respirable dust – determined from the fraction passing a size-selector);
 NIOSH: 0.05 mg/m³ TWA (lowest feasible concentration)
 ACGIH TLV: 0.05 mg/m³ TWA (respirable fraction by size selector)
 CANADA 0.3 mg/m³ TWA (Total mass);
 0.1 mg/m³ TWA (Respirable mass);

Section 9: Physical and Chemical Properties

Appearance / Odor: Solid; dark gray to black disc pad with friction material odor.
 pH: Approx. 8.0
 Vapor Pressure: N/A
 Vapor Density: N/A
 Boiling Point: N/A
 Melting Point: N/A
 Solubility in H₂O: N/A
 Specific Gravity: 3.2

Section 10: Stability and Reactivity

Stability: Stable
 Conditions to Avoid: None Known
 Materials to Avoid: None Known
 Hazardous Polymerization: Will Not Occur
 Decomposition Products: None Known