

FT#13 Silica Sand

| INGREDIENTS: | Chemical Formula | Typical % By Weight | CAS# |
|-----------------------------|--------------------------------|---------------------|------------|
| Crystalline Silica (quartz) | SiO ₂ | 99.0-99.9 | 14808-60-7 |
| Aluminum Oxide | Al ₂ O ₃ | <.8 | 1344-28-1 |
| Iron Oxide | Fe ₂ O ₃ | <.1 | 1309-37-1 |
| Titanium Oxide | TiO ₂ | <.1 | 13463-67-7 |

I. IDENTIFICATION

Manufacturer Phone:
Trade Name: FT261 Silica Sand
Product Type:
DOT Shipping Name: Alkaline corrosive liquid N.O.S. UN1719.
Emergency Phone: 304.258.2500

Exposure Limits for Hazardous Ingredients:

| | OSHA PEL | ACGIH TLV | NIOSH REL |
|-----------------------------|--|-----------|-----------|
| Crystalline Silica (Quartz) | <u>10 mg/m³</u> % SiO ₂ | .05 | .05 |

The exposure limits are time-weighted average concentrations for an 8-hour workday and a 40-hour workweek.

Crystalline silica exists in several forms, the most common of which is quartz. If crystalline silica (quartz) is heated to more than 870°C, it can change to a form of crystalline silica known as trydimite, and if crystalline silica (quartz) is heated to more than 1470°C, it can change to a form of crystalline silica known as cristobalite. The OSHA PEL for crystalline silica as trydimite and cristobalite is one-half of the OSHA PEL for crystalline silica (quartz).

HAZARD IDENTIFICATION

Emergency overview:

The material is a white or tan sand, or ground sand. It is not flammable, combustible or explosive. It does not cause burns or severe skin or eye irritation. A single exposure will not result in serious adverse health effects. Crystalline silica (quartz) is not known to be an environmental hazard.

Crystalline silica (quartz) is incompatible with hydrofluoric acid, flourine, chlorine trifluoride or oxygen difluoride.