

American Industrial Minerals, LLC
1451 Pier Road
Orange, TX. 77630
Material Safety Data Sheet

SECTION 1 - IDENTITY

Name: American Industrial Minerals
77630

Address: 1451 Pier Rd Orange, Texas

Emergency Telephone #: (409)670-0320

Common Name (used on label): INDUSTRIAL SAND
SILICATE

Chemical Family:

(Tank Containment, Foundry, Frac, Filter)

Chemical Name: SILICA SAND
(See Section 2)

Formula: PREDOMINANTLY SiO₂

Trade Name & Synonyms: ALL PURPOSE SAND, PLAY SAND, SILICA SAND, QUARTZ SAND, CONCRETE SAND, MASON SAND, ASPHALT SAND, FILTER MEDIA, AND FOUNDRY SAND.

SECTION 2 – HAZARDOUS INGREDIENTS

<u>Hazardous Component</u>	<u>CAS #</u>	<u>% Typical</u>	<u>TLV (Units)</u>
<u>PEL (Units)</u> QUARTZ (Respirable) 0.1 mg/m ³ * (Total Dust) <u>30mg/m³*</u> %SiO ₂ + 2	14808-60-7	50-100	0.1 mg/m ³

*Only particle sizes of 10 micrometers or less are considered to be respirable (breathable) and of possible hazard if exposure occurs.

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA).

TLV: Threshold Limit established by the American Conference of Governmental Industrial Hygienists (ACGIH).

SECTION 3 – PHYSICAL DATA

Boiling Point: Does Not Apply *Specific Gravity (H₂O = 1):* 2.6 – 2.7 *Vapor Pressure (mm=Hg):* Does Not Apply

Special Fire Fighting Procedures: This Material, Sand, May Be Used to Smother Fires.

SECTION 5 – HEALTH INFORMATION

Signs and Symptoms of Exposure - (1) Acute Overexposure – Congestion of nasal passages and respiratory systems. excessive dust may cause severe abrasion of cornea.

Signs and Symptoms of Exposure – (2) Chronic Overexposure – Excessive exposure, by inhalation, to dusts of this material, over an extended period of time may result in the development of pulmonary diseases including pneumoconiosis, silicosis, or lung cancer. Dust can cause inflammation of the lining tissue of the interior of the nose and inflammation of the cornea.

Medical Conditions Generally Aggravated by Exposure: Respiratory disorders or diseases may be aggravated by exposure to dust of this material.

Chemical/Component Listed as Carcinogen: Quartz NTP: Yes IARC: Yes OSHA: No

Other Exposure Limits: None

Emergency & First Aide Procedures for Indicated Routes of Entry:

Inhalation: Remove from Exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

Eyes: Wash eyes with running water. Do not rub eyes! If irritation persists, obtain medical assistance.

SECTION 6 – REACTIVITY DATA

Stability: Stable *Condition to Avoid:* Does Not Apply

Incompatibility (Materials to Avoid): None

Hazardous Decomposition of Combustion Products: None

Hazardous Polymerization: Will Not Occur

SECTION 7 – SPILL OR LEAK PROCEDURES

Steps to be Taken in Case of Material is Leaked or Spilled: Clean-up of Spills may require personal protective equipment to prevent dust exposures. See Section 8.

Waste Disposal Method: If this material, as provided by the manufacturer, becomes a waste, it does not meet the criteria of a hazardous waste as defined by the environmental protection agency under the authority of the resource conservation and recovery act (40 CFR 261). Dispose of in accordance with federal, state and local regulations.

SECTION 8 – PERSONAL PROTECTION INFORMATION

Respiratory Protection: NIOSH/MSHA Approved for protection against silica and nuisance dusts.

Ventilation: General or local exhaust to maintain exposure below TLV/PEL.

Protective Gloves: To protect from abrasion

Eye Protection: Safety Glasses, Goggles, or Face Shield, when necessary to prevent eye contact.

Other Protective Clothing or Equipment: Goggles or other Eye Protection to prevent dust exposure into eyes

SECTION 9 – SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing: Should be stored in a manner to prevent accumulations of airborne dust.

Other Precautions: None Determined