

Material Safety Data Sheet
Superior Ready Mix Concrete, L.P.

Manufacturers Name:
Superior Ready Mix Concrete, L.P.
Address:
1508 W. Mission Rd.
Escondido, CA 92029

Date:
11-03-94
Emergency Phone Number
(619) 745-0556

Section I

Chemical Family

Natural Sand & Gravel

Chemical Name & Synonyms & Formulas

Natural Sand* and Gravel* (CAS # none)
*Quartz (Crystalline Silica) (CAS # 14808-60-7)
content typically greater than 1%

Trade Name & Synonyms

Sand & Gravel

TLV's

N/A

Section II - Hazardous Ingredients

Exposure limits vary with the type Quartz in dust. For crystalline silica greater than 1%, PEL/TLV = .1mg/m³ OSHA std. and proposed for MSHA std. ACGIH 8-hr. TWA exposures, Respirable Dust for cristobalite = 0.05 mg/m³, Respirable Dust for Quartz = .1mg/m³. Natural Sand & Gravel is not listed by NTP, IARC, or OSHA as containing carcinogens.

Section III - Physical Data

Boiling Point

N/A, as Sand & Gravel

Vapor Pressure

N/A, as Sand & Gravel

Vapor Density

N/A, as Sand & Gravel

Solubility in Water

None

Specific Gravity

2.55-2.88

Percent Volatile by Volume

0%

Evaporation Rate

N/A, as Sand & Gravel

Appearance and Odor

Angular or Round Multicolored particles; no odor.

Section IV- Fire And Explosion Hazard Data

Flash Point

Sand & Gravel are Noncombustible and Nonexplosive

Flammable or Explosive Limits

N/A

Extinguishing Media

N/A

Special Firefighting Procedures

N/A

Unusual Fire & Explosion Hazards

None

Section V- Health Hazard Data

Threshold Limit Value (TLV)

Crystalline silica > 1% PEL/TLV = .1mg/m³ for OSHA and proposed for MSHA

Emergency & First Aid Procedures

Irrigate eyes with water.

Consult Physician.

Effects of Overexposure

Acute: Exposure to dust may irritate respiratory system, eyes, and skin. Use of natural sand and gravel for construction purposes is believed not to have caused acute toxic effects.

Chronic: Exposure to respirable quartz-containing dust in excess of appropriate TLV's has caused silicosis, a progressive pneumoconiosis.

Section VI- Reactivity Data

Stability

Product is stable. Keep dry until used.

Incompatibility

None

Hazardous Decomposition Products

None

Hazardous Polymerization

Will Not Occur

Section VII- Spill Procedures

Steps to be Taken in Case Material Is Spilled

May exceed TLV for crystalline silica when dry cleanup methods are used.

Waste Disposal

Material can be returned to container for later use, or it can be disposed of as an inert fill.

Section VIII - Special Protection Information

Respiratory Protection

The use of a NIOSH/MSHA approved respirator is recommended. Based on airborne concentrations

Ventilation

Local exhaust can be used to control airborne dust levels.

Skin Protection

Wash dust-exposed skin with soap and water
Wash clothes after each use.

Eye Protection

The use of tight fitting goggles is recommended.

Section IX - Special Precautions

Precautions to be Taken in Handling & Storing

None

Other Precautions

NIOSH-MSHA approved air-supplied hood must be used when sandblasting.

Section X - California Prop. 65 Warnings

While Natural Sand and Gravel are not listed by NTP, IARC, or OSHA as containing carcinogens, Quartz (crystalline silica) is listed on the NTP and IARC lists of carcinogens. This product contains greater than 1% Quartz (crystalline silica):

WARNING: Mineral Sand and Aggregate or area of its manufacture contains crystalline silica (quartz) dust which is known to the State of California to cause cancer.

This Warning is required by section 25249.6 of the California Health and Safety Code.

Section X - Abbreviations

ACGIH

American Conference of Governmental Industrial Hygienists

CAS

Chemical Abstract Service

CFR

Code of Federal Regulations

ft³

Cubic Foot

IARC

International Agency for Research on Cancer

m³

Cubic Meter

TLV's

Threshold Limit Values

mg.

Milligram

MSHA

Mine Safety and Health Administration

N/A

Not Applicable

NIOSH

National Institute for Occupational Safety & Health

NTP

National Toxicology Program

OSHA

Occupational Safety and Health Administration

NOTICE:

The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the forgoing data and safety information. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.