



P.O. Box 5675 Riverside, CA 92517

Southern California's leading manufacturer of specialty sand and rock products.

Safety Data Sheet

Silica Sand

Section 1- Product Identification

Manufacturer
A-1 Grit Company
P.O. Box 5675
Riverside, CA 92517

Emergency Phone #: 951-782-0102
Information Phone #: 1-800-266-4748
Date of Preparation: January 2010

Section 2- Composition/Information on Ingredients

<u>Ingredients</u>	<u>Percent</u>
Plagioclase Feldspar	35-65
Quartz	10-35

Ingred Name: SILICA, CRYSTALLINE- Quartz
CAS: 14808-60-7
RTECS #: VV7330000
OSHA PEL: SEE Table Z-3
ACGIH TLV: 0.1 MG/M

Ingred Name: SUPDAT: MAINTAIN & TEST VENT & DUST COLLECTION EQUIP.
WASH/VACUUM CLOTHING WHICH HAS BECOME DUSTY. SEE ALSO CONTROL
(ING 3)
RTECS #: 999999ZZ

Ingred Name: ING 2: MEASURES. SEE OSHA HAZARD COMMUNICATION RULE 29 CFR
SECTIONS 1910.1200, 1915.99, 1917.28, 1918.90, 1926.59, (ING 4)
RTECS #: 999999ZZ

Ingred Name: ING 3: & 1928.21 & STATE & LOCAL WORKER/COMMUNITY "RIGHT TO KNOW"
LAWS & REGS. WE RECOMMEND THAT SMOKING BE PROHIBITED IN (ING 5)

Ingred Name: ING 4: ALL AREAS WHERE RESP. MUST BE USED. WARN YOUR EMPLOYEES (AND YOUR CUSTOMERS- USERS IN CASE OF RESALE) BY (ING 6)

Ingred Name: ING 5: POSTING & OTHER MEANS OF HAZARD & OSHA PRECAUTION TO BE USED. PROVIDE TRAINING FOR YOUR EMPLOYEES ABOUT OSHA PRECAUTION. (ING 7)

Ingred Name: ING 6: SEE ALSO AMERICAN SOCIETY FOR TESTING & METLS (ASTM) STD PRACTICE E1132.86 "STD PRACTICE FOR HEALTH (ING 8)
RTECS #: 999999ZZ

Ingred Name: ING 7: REQUIREMENTS RELATING TO OCCUPATIONS EXPOSURE TO QUARTZ DUST."
RTECS #:999999ZZ

*****Section 3- Hazards Identifications*****

LD50 LC50 MIXTURE: NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation: YES SKIN: NO Ingestion: NO

Reports of Carcinogenicity: NTP: YES IARC: YES OSHA: NO

Health Hazards Acute and Chronic: ACUTE: PROLONGED EXPOSURE TO RESPIRABLE CRYSTALLINE QUARTZ MAY CAUSE DELAYED (CHRONIC) LUNG INJURY (SILICOSIS). ACUTE OR RAPIDLY DEVELOPING SILICOSIS MAY OCCUR IN A SHORT PERIOD OF TIME IN HEAVY EXPOSE RE IN CERTAIN OCCUPATIONS SUCH AS SANDBLASTERS. SILICOSIS IS A FORM OF DISABLING PULMONARY FIBROSIS (EFTS OR OVEREXP)

Explanation of Carcinogenicity: SILICA, CRYSTALLINE- QUARTZ: IARC MONO, SUPP. VOL.7, and PG 341, 1987: GROUP 2A. NTP 7TH ANNUAL REPORT ON CARCIN, 1994: (SUPDAT)

Effects of Overexposure: HEALTH HAZARD: THIS CAN BE PROGRESSIVE AND MAY LEAD TO DEATH. SINGS AND SYMPTOMS OF EXPOSURE: UNDUE BREATHLESSNESS, WHEEZING, COUGH AND SPUTUM PRODUCTION.

Medical Cond Aggravated by Exposure: PULM FUNCTION MAY BE REDUCED BY INHAL OF RESPIRABLE CRYSTALLINE SILICA. ALSO LUNG SCARRING PRODUCED BY SUCH INHAL MAY LEAD TO PROGRESSIVE MASSIVE FIBROSIS OF LUNG WHICH MAY AGGRAVATED OTHER PULM (SUPDAT)

*****Section 4- First Aid Measures*****

First Aid: Eyes

For sand in eyes, wash immediately with water for at least 15 minutes. If irritation persists, seek Medical Attention.

First Aid: Skin

Flush with copious amounts of water. Call MD.

First Aid: Ingestion

Seek Medical Attention immediately.

First Aid: Inhalation

Remove person immediately to fresh air, give artificial respiration as needed seek medical attention as needed.

*****Section 5- Fire Fighting Measures*****

Flash Point: Non- Flammable

Lower Limits: None

Upper Limits: None

Extinguishing Media: None required; sand may be used as extinguishing media.

Fire Fighting Procedures: Not applicable. Use NIOSH/MSHA approved SCBA & full protective equipment.

Unusual Fire/ Explosion Hazard: Crystalline silica is neither fire nor explores Hazard Crystalline silica may be used to put out class A and B fires.

*****Section 6- Accidental Release Measures*****

Spill Release Procedures: Use dustless Meth (Vacuum) & Place into closable center for disposal, or flush with water. Do not dry sweep. Wear protective equipment specified below.

Neutralizing Agent: None specified by manufacturer.

*****Section 7- Handling and Storage*****

Handling Procedures

Avoid breakage of bagged material/spills of bulk material. See control measures in section VIII. Use ADEQ vent & dust collection.

Other Precautions: Use Dustless systems for handling, store and clean up so that airborne dust does not exceed pel. Practice good housekeeping. Do not permit dust to collect on walls, floors, spills, ledges, machinery/equipment, clean & fit test respirators.

*****Section 8- Exposure Controls/Personal Protection*****

Respiratory Protection: NIOSH/MSHA approved respirator appropriate for exposure of concern.

Ventilation: Use sufficient Loc exhaust to reduce lev of respirable crystalline silica to pel.

Eye Protection: ANSI Approved Chem. workers goggles

Other Protective Equipment: ANSI approved emergency eye wash & deluge shower.

Work Hygienic Practices: Avoid creating and breathing dust. See “other precautions: under section VII.

Supplemental Safety and Health: Hazard decomp. prod: may cause fires. Explain of carcin: Antic to be carcin. Med CNDTNS: CNDTNS & Diseases & which incur susceptibility to plum tuberculosis. Progressive massive fibrosis may be accompanied by right heart enlargement, heart failure & plum failure. SMKG aggravates efts of expos. Other prec: I/A/W OSHA Regs. (ING2)

*****Section 9- Physical & Chemical Properties*****

Appearance:	White or Tan Sand, Granular	Odor:	None
Evaporation Rate /Reference:	None	Vapor Density:	None
Vapor Pressure:	None	Melting/Freeze Point:	Text 3050F, 1677C
Boiling Point:	B.P. Text:4046F, 2230C	Specific Gravity:	2.65 (H*20=1)
Solubility (H2O):	insoluble		

*****Section 10- Stability & Reactivity Information*****

Stability Indicator/Materials to Avoid: YES/ None

Stability: Conditions to Avoid

None

Hazardous Decomposition Products: Cont w/powerful oxidizing agents such as fluorine, chlorine trifluoride, manganese trioxide oxygen difluoride.

*****Section 11- Disposal Considerations*****

Waste Disposal Methods: Dispose in accordance with Federal, State and Local regulations.

*****Section 12- Disclaimer*****

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