

MATERIAL SAFETY DATA SHEET

DATE: 04/17/92

SECTION I

MANUFACTURER'S NAME AND ADDRESS

Any

EMERGENCY TELEPHONE NUMBER

(214) 754-5500

CHEMICAL
IDENTITY (AS USED ON LABEL LIST)

Sand

TELEPHONE NUMBER FOR
INFORMATION

(214) 754-5500

SECTION II - HAZARDOUS INGREDIENTS

FORMULA	CHEMICAL	(VARIES) TYPICAL%	CAS NO.	TLV	PEL	CARCINOGEN
SiO ₂	Quartz	20%	14808-60-7	(1)	(2)	(3) (4)

(1) Respirable Dust TLV - 0.1 MG/M³(2) Respirable Dust 10 MG/M³ + % SiO₂ + 2
Total Dust 30 MG/M³ + % SiO₂ + 2

(3) Limited Evidence Carcinogen To Human; Sufficient Evidence Of Carcinogen To Animals - IARC 1987

(4) May Reasonably Be Anticipated To Be A Carcinogen - NTP 6th Annual Report 1991

DATE 04/17/92

CHEMICAL IDENTITY

SAND

SECTION III - PHYSICAL DATA

BOILING POINT

N.A.

VAPOR PRESSURE

N.A.

VAPOR DENSITY

N.A.

SOLUBILITY IN WATER

Negligible

SPECIFIC GRAVITY

N.A.

PERCENTAGE VOLATILE BY VOLUME

N.A.

EVAPORATION RATE

N.A.

APPEARANCE AND ODOR

Tan color. Granular. No odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT

Not Flammable

SPECIAL FIREFIGHTING PROCEDURES

N.A.

FLAMMABLE OR EXPLOSIVE LIMITS

UNUSUAL FIRE & EXPLOSION HAZARDS

LEL

N.A.

UEL

N.A.

None Known

EXTINGUISHING MEDIA

Not Required

SECTION V - HEALTH HAZARD DATA

ROUTE OF ENTRY -

INHALATION? Yes

SKIN? No

INGESTION? No

HEALTH HAZARDS (ACUTE & CHRONIC)

Danger of lung injury (silicosis and cancer) where quartz is

inhaled over extended period of time.

CARCINOGEN-

NPT? No

IARC? Yes

OSHA REGULATED? No

IARC - 1987

SIGNS & SYMPTOMS OF EXPOSURE

Shortness of breath on exertion. No fever. Limitation of chest

expansion. Dry cough. Lessened capacity for work.

MEDICAL CONDITIONS GENERALLY

AGGRAVATED BY EXPOSURE-

Increased susceptibility to tuberculosis.

EMERGENCY & FIRST AID PROCEDURES-

EYES: Irrigate with water - consult a physician.

INHALATION: Recognize early symptoms - consult physician.

CHEMICAL IDENTITY

SAND

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SECTION VI - REACTIVITY DATA**STABILITY**

Stable

HAZARDOUS DECOMPOSITION PRODUCTS

None Known

INCOMPATIBILITY (MATERIALS TO AVOID)

None Known

HAZARDOUS POLYMERIZATION

None Known

SECTION VII - SPILL PROCEDURES**STEPS TO BE TAKEN IN CASE****MATERIAL IS SPILLED**

Use clean-up methods that do not disperse dust into air. Avoid breathing dust or use NIOSH approved respirator. Use tight fitting eye protection.

WASTE DISPOSAL METHOD

In accordance with local, state and federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION**RESPIRATORY PROTECTION**

Use respirator approved by NIOSH or MSHA for pneumoconiosis producing dust.

SKIN PROTECTION

Protect from abrasive irritation.

VENTILATION

Ventilate to keep dust in breathing zone of workers below TLV & PEL.

EYE PROTECTION

Use tight fitting eye protection in dusty areas.

SECTION IX - SPECIAL PRECAUTIONS**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Use dust control methods and/or NIOSH or MSHA approved respiratory protection so that the exposure is minimum and in no case exceeds TLV or PEL.

OTHER PRECAUTIONS

Large piles of this material are subject to sloughing off - slope sides and faces to angle of repose - keep people off large piles of material.

SECTION X - ABBREVIATIONS

ACGIH

American Conference of
Governmental, Industrial Hygienists

CAS

Chemical Abstract Service
Registry Number

CFR

Code of Federal Regulations

ft³

Cubic Foot

IARC

International Agency for
Research on Cancer

LEL

Lower Explosive Limit

m³

Cubic Meter

mg.

Milligram

MSHA

Mine Safety and Health Administration

NIOSH

National Institute for
Occupational Safety & Health

NTP

National Toxicology Program

OSHA

Occupational Safety and
Health Administration

PEL

Permissible Exposure Limit

PPM

Parts Per Million

N.A.

Not Applicable

N.D.

Not Determined

STEL

Short Term Exposure Limit

TLV's

Threshold Limit Values

TWA

Time Weighted Average

UEL

Upper Explosive Limit

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