

Tyler Sand Company
MSDS for Silica Sand

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PLAINTIFF'S
EXHIBIT
TPI-38

1 -Section I (General Information)

MANUFACTURER'S NAME:

Tyler Sand Company

EMERGENCY TELEPHONE NUMBER:

(214) 882-5511

ADDRESS (NUMBER, STREET, CITY, STATE, ZIP):

Highway 155 North, Big Sandy, TX 75755

CHEMICAL NAME AND SYNONYMS:

NA

TRADE NAME AND SYNONYMS:

Silica Sand

CHEMICAL FAMILY:

NA

FORMULA:

SiO₂

DATE OF PREPARATION:

9-13-88

Revises 11-20-85

PREPARED BY:

Charles Kuenemann

DISCLAIMER:

NA

2 -Section II - Hazardous Ingredients

MATERIAL	%	TLV (Units)
Silica Sand	(Suspected carcinogen by IARC)	

3 -Section III - Physical Data

BOILING POINT(INDICATE IF "F" OR "C"):
NA

VAPOR PRESSURE(mm Hg):
NA

VAPOR DENSITY (AIR = 1):
NA

SPECIFIC GRAVITY (H2O=1):
NA

PERCENT VOLATILE BY VOLUME (%):
NA

EVAPORATION RATE (= 1):
NA

SOLUBILITY IN WATER:
Negligible

APPEARANCE AND ODOR:
White, granular - no odor.

4 -Section IV - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED):
NA

FLAMMABLE LIMITS:
LEL: NA
UEL: NA

EXTINGUISHING MEDIA:
NA

SPECIAL FIRE FIGHTING PROCEDURES:
NA

UNUSUAL FIRE AND EXPLOSION HAZARDS:
No fire or explosive hazards.

5 -Section V - Health Hazard Data

THRESHOLD LIMIT VALUE:

NA

EFFECTS OF OVEREXPOSURE:

May cause silicosis if respirable dust exceeds OSHA standards.

Repeated inhalation of respirable free silica dust may cause delayed lung injury.

Respirable free silica dust suspected carcinogen by IARC.

EMERGENCY AND FIRST AID PROCEDURES:

NA

6 -Section VI - Reactivity Data

STABILITY (choose one): () UNSTABLE
(X) STABLE

CONDITIONS TO AVOID:

NA

INCOMPATIBILITY (MATERIALS TO AVOID):

Endothermic - Dissolved by Hydrofluoric Acid (HF).

HAZARDOUS DECOMPOSITION PRODUCTS:

NA

HAZARDOUS POLYMERIZATION (choose one): () MAY OCCUR

(X) WILL NOT OCCUR

CONDITIONS TO AVOID:

NA

7 -Section VII - Spill or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Clean up by sweeping or using vacuum.

Do not exceed OSHA TLV standard (1910.1000 Table 2-3).

WASTE DISPOSAL METHOD:

Dispose in approved solid waste landfill according to Federal, State and local regulations. SiO₂ not listed as hazardous waste under 40 CFR Part 261

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7 -Section VII - Spill or Leak Procedures (continued)

- EPA Hazardous Waste Disposal Regulations.

8 -Section VIII - Special Protection Information

RESPIRATORY PROTECTION (SPECIFY TYPE):

See OSHA 20 CFR 1910.134 NIOSH-BOM approved respirators only.

VENTILATION:

LOCAL EXHAUST:	ANSI 29.2-1960; to maintain below OSHA standard.
MECHANICAL (GENERAL):	If needed to reduce to below OSHA standard.
SPECIAL:	Abrasive blasting OSHA 1910.94 (A).
OTHER:	NA

PROTECTIVE GLOVES:
Optional.

EYE PROTECTION:
Recommended.

OTHER PROTECTIVE EQUIPMENT:
As required to meet applicable OSHA 1910.1000.

WORK/HYGIENIC PRACTICES:
Good personal hygiene.

9 -Section IX - Special Precautions

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Avoid creating dust problem.

OTHER PRECAUTIONS:
Good housekeeping. Maintain ventilation system when used. Post warning signs where TLV is exceeded.