

Lane Mt. Silica Company

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MATERIAL SAFETY DATA SHEET

SILICA SAND STONE

PRODUCT USES

GLASS SAND	SANDBLASTING ABRASIVE	FOUNDRY SAND
TRACTION SAND	PRE-STRES CONCRETE	ROOFING SAND

PHYSICAL DATA

PHYSICAL STATE	SOLID	ODOR AND APPEARANCE	ODORLESS GRANDULAR SAND
ODOR THRESHOLD	NONE	SPECIFIC GRAVITY	2.6 (APPROX.)
VAPOR PRESSURE	NONE	VAPOR DENSITY	NONE
EVAPORATION RATE	NONE	BOILING POINT	4000 F. (APPROX)
FREEZING POINT	NONE	PH	7.3
COEFFICIENT OF WATER/ OIL DISTRIBUTION	NONE		

FIRE OR EXPLOSION HAZARD

CONDITIONS OF FLAMMABILITY	NONE	MEANS OF EXTINCTION	NONE
FLASH POINT	NONE	UPPER FLAMMABLE LIMIT	NONE
LOWER FLAMMABLE LIMIT	NONE	AUTO-IGNITION TEMPERATURE	NONE
EXPLOSION DATA (SENSITIVITY TO MECHANICAL IMPACT)	NONE	EXPLOSION DATA (SENSITIVITY TO STATIC DISCHARGE)	NONE

REACTIVITY DATA

<i>CONDITIONS UNDER WHICH THE PRODUCT IS CHEMICALLY UNSTABLE</i>	<i>NONE</i>
<i>SUBSTANCE OR CLASS OF SUBSTANCE WITH WHICH THE PRODUCT IS INCOMPATIBLE</i>	<i>NONE</i>
<i>CONDITIONS OF REACTIVITY</i>	<i>NONE</i>
<i>HAZARDOUS DECOMPOSITION PRODUCTS</i>	<i>NONE</i>

TOXICOLOGICAL PROPERTIES

<i>SKIN CONTACT</i>	<i>NO EFFECT</i>
<i>SKIN ABSORPTION</i>	<i>NO EFFECT</i>
<i>EYE CONTACT</i>	<i>NO LONG-TERM EFFECT OTHER THAN DUST DISCOMFORT.</i>
<i>INHALATION</i>	<i>NO IMMEDIATE EFFECT TO OVEREXPOSURE. SILICOSIS MAY DEVELOP AFTER PROLONGED EXPOSURE.</i>
<i>INGESTION</i>	<i>NO EFFECT.</i>

PREVENTATIVE MEASURES

Use local exhaust to control dust dispersion.

For respirator protection, use an air supplied respirator or other conventional particulate respirator protection based on considerations of airborne concentrations and duration of exposure. For more information consult the following standards.

1. American National Standard Institute (ANSI 2.88.2)
2. Occupational Safety and Health Administration (OSHA -29CFR Part 1910.134)
3. Mine Safety and Health Administration (MSHA -30CFR Part 56)

Safety glasses should be worn to prevent dust in eyes. In case of spill, vacuum spillage and dispose of waste in containers or slurry to avoid re-dispersion.

SILICA INGREDIENTS

<u>CHEMICAL ANALYSIS</u>		<u>PERCENT</u>
SILICON DIOXIDE	(Si ₂ O ₂)	99.4
ALUMINUM OXIDE	(Al ₂ O ₃)	.21
IRON OXIDE	(Fe ₂ O ₃)	.035
TITANIUM DIOXIDE	(TiO ₂)	.02
CALCIUM OXIDE	(CaO)	.10
MAGNESIUM OXIDE	(MgO)	.00
SODIUM OXIDE	(Na ₂ O)	.00
POTASSIUM OXIDE	(K ₂ O)	.06
L.O.I. (1200 deg. C)		<u>.20</u>
		100.0

HEALTH HAZARD DATA

The material contains, FREE SILICA. When used for sand blasting, wear Government specified protective equipment. Prolonged exposure to dust may cause delayed lung injury. (SILICOSIS).

FIRST AID MEASURES

<i>EYE CONTACT</i>	<i>A WATER WASH WILL REMOVE PARTICLES</i>
<i>INHALATION</i>	<i>REMOVE FROM CONTAMINATED AREA. IF SHORTNESS OF BREATH OR OTHER BREATHING PROBLEMS PERSIST, CONSULT A PHYSICIAN.</i>

The data in this material safety data sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. The information set forth herein is based on technical data that Lane Mt. Silica Co. believes reliable. It is intended for use by persons having technical skills and at their own discretion and risk. Since conditions of use are outside our control, we make no warranties, expressed or implied, and assume no liability in connection with any use of this information. Any use of this data and information must be determined by the user to be in accordance with Federal, Provincial and/or Municipal laws and regulations.