



MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION

Product Identifier	NON-SHRINK GROUT
Product Use	Mining and engineering projects requiring a sanded cementitious grout.
Manufacturer	Supplier
Thiessen Team USA Inc. 1840 Sharps Access Road-Elko, NV 89801 P.O.Box 40, Elko NV 89803	Thiessen Team USA Inc 1840 Sharps Access Road-Elko, NV 89801 P.O.Box 40, Elko NV 89803

SECTION 2 - HAZARDOUS INGREDIENTS

Ingredient	%	CAS number	LD	LC	TLV
Portland Cement, giving m		65997-15-1			10mg/cu-
Calcium oxide	0.3-1.0	1305-78-8	n/a	n/a	
Calcium Silicates	45-60	-	n/a	n/a	
Condensed Silica Fume (non-crystalline silica)	5-15	-	n/a	n/a	6mg/cu-m

Also contains non-hazardous plasticizing and water-reducing admixtures

SECTION 3 - PHYSICAL DATA

Physical State	Solid				
Odour/Appearance	Grey powder , no odour				
Vapour Pressure	n/a	Vapour Density	n/a		
Evaporation Rate	n/a	Boiling Point	n/a		
Freezing Point	n/a	pH	10-12		
Specific Gravity	2.7-3.0	Coeff. Water/Oil Dist.	n/a		

SECTION 4 - FIRE & EXPLOSION

Flammability	Not flammable	Means of Extinction	n/a
Flashpoint	n/a	Upper/Lower Flam. Limit	n/a
Autoignition Temp.	n/a	Hazardous Combustion Products	none

Explosion Data

Sensitivity to Impact	none
Sensitivity to Static Discharge	none

Not flammable, but exposure to high temp. can cause thermal decomposition of plastics.

SECTION 5 - REACTIVITY DATA

<i>Chemical Stability</i>	Stable
<i>Incompatibility with other Substances</i>	Inorganic Acids
<i>Reactivity, and under what conditions</i>	Reacts with inorganic acids, giving carbon dioxide gas

SECTION 6 - TOXICOLOGICAL PROPERTIES

Route of Entry

Skin Contact	Yes	Skin Absorption	Yes	Eye Contact	Yes
Inhalation	Yes	Ingestion	Yes		

Effects of Acute Exposure to Product

Irritation of eyes and upper respiratory tract.

Caustic burns to skin and eyes can occur if contact is prolonged.

Effects of Chronic Exposure to Product

Cement dust can cause inflammation of eyes and nasal passages.

Prolong contact under moist conditions can cause caustic burns.

Excessive inhalation of crystalline silica dust may result in respiratory disease, including silicosis, pneumonociosis and pulmonary fibrosis.

Exposure Limits

10 mg total dust m³ for a work shift of up to 10 hours per day, 40 hours per week.

Irritancy of Product

Dust can irritate eyes and upper respiratory tract. Skin irritation can occur under moist or wet conditions.

Sensitization to Product

Hypersensitive reaction may cause allergic dermatitis.

<i>Carcinogenicity</i>	NTP no	IARC Monographs no	OSHA Regulate no
-------------------------------	-----------	-----------------------	---------------------

<i>Teratogenicity</i>	n/a	<i>Reproductive Toxicity</i>	n/a
------------------------------	-----	-------------------------------------	-----

<i>Mutagenicity</i>	n/a	<i>Synergistic Products</i>	None known
----------------------------	-----	------------------------------------	------------

SECTION 7 - PREVENTION MEASURES

Personal Protective Equipment

Where the prevention of dust is unavoidable, use conventional NIOSH approved or equivalent respiratory protection equipment based on considerations of airborne concentration and duration of exposure.

- Gloves*** Impervious to moisture
- Eye*** Use appropriate eye protection to minimize contact with dust from dry product, or with wet product after mixing with water.
- Other*** Wear appropriate clothing and footwear for the specific application.
Clean clothing which has become dusty.

Engineering Controls

Use adequate ventilation. Do not permit dust to accumulate in work area.

Leak and Spill Procedure

If uncontaminated, collect for reuse or disposal. Use dustless procedures. If contaminated, use appropriate method and container for contaminant.

Waste Disposal

If uncontaminated, dispose as a non-metallic mineral. If contaminated, use appropriate method for contaminant in accordance with applicable regulations.

Handling Procedures and Equipment

Avoid creation of respirable dust if possible. Use adequate ventilation and dust collection. Avoid contact with wet product during use.

Storage Requirements

Store in a dry place

SECTION 8 - FIRST AID MEASURES

- Eyes*** Flush with running water for at least 15 minutes. Obtain medical attention.
- Skin*** Wash with soap and water. For caustic burns to skin, consult a doctor.
- Ingestion*** Drink large amounts of water. Do not induce vomiting. Seek immediate medical attention.
- Gross Inhalation*** Remove to fresh air. Give oxygen with artificial respiration as needed. Obtain medical attention for treatment, observation and support as needed. of Dust

Prepared by Thiessen Team USA Inc., Quality Control Division
Phone no: (775) 777-1205
Date: August 1, 2007

The information 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 given is based on technical data that we believe to be reliable. Because conditions of use are outside our controls, it is the responsibility of the user to verify safety data for the combinations with other materials, or for use in specific processes. n/a=not applicable or not available.