MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION			
PRODUCT NAME:	MascoGrout General Purpose		
MSDS REVISION DATE:	August, 2003		
CHEMICAL NAME:		**FORMULA:**	Mixture

MANUFACTURER / SUPPLIER

Masons Supply Company
2637 SE 12th Ave
Portland, OR 97202

Mailing Address:
P. O. Box 42367
Portland, OR 97242

Emergency / Non-Emergency Number: (503) 234-4321 Monday – Friday 7 – 4 PST

2. COMPOSITION / INFORMATION INGREDIENTS

Ingredient Name	CAS #	EXPOSURE LIMITS		
		OSHA (mg/m³)	ACGIH (mg/m3)	Conc. %
Particulate, Not Otherwise Classified	N/A	15 dust 5 respirable	10 inhalable dust 3 respirable dust	52.3–63.8
Calcium silicates	1344-95-2	15 total dust 5 respirable dust	10 total dust	10-21
Calcium Carbonate	471-34-1	15 total dust 5 respirable dust	10 total dust	10-21
Silicon Dioxide, SiO_2 (free silica)	14808-60-7	2 total dust* 0.67 respirable dust*	0.1 respirable dust	<0.1-13
Portland Cement	65997-15-1		10 total dust	<2
Magnesia, MgO	1309-37-1	15 total dust 5 respirable dust	10 total dust	<2
Gypsum	7778-18-9	15 total dust 5 respirable dust	10 total dust	<2
Lime, CaO	1305-78-8	5 total dust	2 total dust	<1

*Based on maximum free silica

3. HAZARDS IDENTIFICATION

*** * * * * * * EMERGENCY OVERVIEW * * * * * * ***

Variable white, gray or tan powder. Inhalation of excessive amounts of dust from the product may cause upper respiratory irritation. Calcium oxide causes severe irritation and burns to every area of contact. Cancer hazard – free crystalline silica may cause cancer

ROUTES OF ENTRY: Inhalation, eyes, skin

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE INHALATION:	Dust is irritating and possible corrosive to the respiratory system and mucous membranes
ACUTE SKIN CONTACT:	May cause corrosive damage
ACUTE EYE CONTACT:	Severe irritation. May damage eye tissues, cause redness, tearing, blurred vision and pain
ACUTE INGESTION:	Calcium oxide may cause alkali burns in mouth and throat

3. HAZARDS IDENTIFICATION *(Continued)*

CHRONIC EXPOSURE:	Free crystalline silica may cause silicosis, shortness of breath caused by lung scarring, pain in chest, and coughing. Inflammation of the respiratory passages, ulcers of the mucous membranes, and perforation of nasal septum may occur

CARCINOGENICITY:

ACGIH:	Free crystalline silica is listed as a suspected human carcinogen in Notice of Intended Changes
NTP:	Respirable silica may reasonably be anticipated to be a carcinogen
IARC:	Crystalline silica in the form of quartz or cristobalite has been classified as carcinogenic to humans
OSHA:	No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Persons with pre-existing skin disorders, eye problems, or impaired respiratory function may be more susceptible to the effects of the dust

4. FIRST AID MEASURES

INHALATION:	Remove victim to fresh air, if not breathing, give artificial respiration. If any symptoms or irritation persist, contact a physician
SKIN:	Immediately flush skin with water for at least 15 minutes. If any symptoms or irritation persist, contact a physician
EYE:	Flush with large amounts of water for 15 minutes. If any symptoms or irritation persist, contact a physician
INGESTION:	Do not induce vomiting, give large quantities of water or milk. Get medical attention

5. FIRE FIGHTING MEASURES

FLASH POINT:	Not Combustible
AUTO IGNITION TEMPERATURE:	Not Applicable
LOWER FLAMMABLE LIMIT:	Not Applicable
UPPER FLAMMABLE LIMIT:	Not Applicable
HAZARDOUS COMBUSTION PRODUCTS:	None

FIRE AND EXPOSURE HAZARD: Not combustible. Not sensitive to explosion. Will not support combustion

EXTINGUISHING MEDIA: Not combustible. Use media appropriate for surrounding fire

SPECIAL FIRE FIGHTING PROCEDURES: Does not burn. SCBA required for standard fire fighting

6. ACCIDENTIAL RELEASE MEASURES:

SPILL OR LEAK PROCEDURES: Stop source of spill. Wear appropriate PPE. Pick up and place in a suitable container for reclamation or disposal using a method that does not generate dust. Alkaline materials will generate heat when moistened. Keep material away from water bodies and sewers

7. HANDLING AND STORAGE:

PRECAUTIONS: Protect against physical damage and store in dry place away from water moisture, and incompatible materials. Wear appropriate personal protective equipment as specified in Section 8

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

EYE PROTECTION: Mechanical or chemical goggles for dust
SKIN PROTECTION: Use impervious gloves are appropriate when handling wet product. Wear other impervious protective clothing, including boots, as appropriate to prevent skin contact
RESPIRATORY PROTECTION: Use NIOSH approved respirators with HEPA or P100 filters. Higher dust levels may require a powered air-purifying respirator with HEPA or P100 filter, or a positive pressure supplied air respirator
ENGINEERING CONTROLS: Not needed in open spaces. If excessive dust levels are generated at transfer points, local exhaust ventilation may be needed

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE / APPEARANCE:	Solid, gray to tan powder		
BOILING POINT:	>5,396° F	**ODOR:**	Slight odor
MELTING / FREEZING POINT:	> 1,990° F		
SOLUBILITY IN WATER:	Slight 0-5%	**PH:**	6 - 10
% VOLATILE BY WEIGHT:	~0	**SPECIFIC GRAVITY:**	~2.2 – 2.5
VAPOR PRESSURE:	~0	**VAPOR DENSITY:**	Not Applicable

10. REACTIVITY / STABILITY:

STABILITY: Stable at room temperature	
CONDITIONS OF REACTIVITY:	Calcium oxide will react with water or moisture to generate heat
HAZARDOUS POLYMERIZATION	Will not occur
INCOMPATIBILITIES	Strong oxidizers, hydrofluoric acid, manganese trifluoride, xenon hexafluoride, halocarbons, chlorine trifluoride, ethylene oxide, oxygen difluoride, vinyl acetate, hydrazine, calcium hypochlorite, performic acid
DECOMPOSITION PRODUCTS:	None

11. TOXICOLOGICAL INFORMATION:

LD_{50}:	Not determined
LC_{50}:	Not determined
SENSITIZATION TO PRODUCT:	None
CARCINOGENICITY:	Contains crystalline silica, classified a human carcinogen
IRRITANCY OF PRODUCT:	May be corrosive due to presence of calcium oxide
REPRODUCTIVE TOXICITY:	No information available
TERATOGENICITY:	No information available
MUTAGENICITY:	No information available
CHRONIC EXPOSURE:	None

12. ECOLOGICAL INFORMATION:

Do not flush to product to water bodies or sewers. Due to the lime (calcium oxide) content, this material is expected to be toxic to aquatic life

13. DISPOSAL CONSIDERATIONS:

WASTE DISPOSAL METHOD: Follow federal, state and local regulations. Do not flush to drain or storm sewer

14. TRANSPORTATION INFORMATION: Not regulated

15. REGULATORY INFORMATION:

OSHA: Hazard Communication applies to those materials listed in Section 2

TSCA: Yes for iron oxide and titanium dioxide

CERCLA REPORTABLE QUANTITY: None

SARA TITLE III:

Section 302 Extremely Hazardous Substance: None

Section 311/312 Hazardous Categories: Acute/Chronic for iron oxide, Titanium dioxide and calcium oxide. Reactivity for calcium oxide

Section 313 Toxic Chemicals: None

RCRA: None

STATE REGULATORY INFORMATION: The following chemicals are specifically listed by individual states; other product specific health and safety data in other section of the MSDS may also be applicable for state requirements. For details on specific regulatory requirements, contact the appropriate state agency.

COMPONENT NAME	CAS #	CONC. %	STATE CODE
Crystalline Silica	14808-60-7	0 - 1	CA Proposition 65

16. OTHER INFORMATION:

MSDS STATUS:	Original
REVISION NUMBER:	Version 1.0
PREPARED BY:	Masons Supply Portland, OR (503) 234-4321

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