

**MATERIAL SAFETY DATA SHEET**  
(OSHA 29 CFR 1910.1200)

Product Identifier **CONCRETE MIX**  
Product Use Construction or repair of concrete

Page 1 of 3  
January 1, 2005

**SECTION I – MANUFACTURER’S NAME AND ADDRESS**

Mutual Target Products LLC. Emergency Telephone Number: (360) 705-6508  
3150 29<sup>th</sup> Ave SW Information Telephone Number (425) 452-2300  
Tumwater, WA 98512 Toll-free (800) 477-3008

**SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION**

Ingredient	CAS Number	OSHA PEL mg/m <sup>3</sup>	ACGIH TLV mg/m <sup>3</sup>
Portland Cement	65997-15-1	5	5
Water-reducing and air-entraining admixtures - trace amounts, non-hazardous.			

**SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS**

Physical State	Solid		
Odor/Appearance	Gray powder with sand and rock particles (maximum size ½ inch), no distinctive odor		
Vapor Pressure	N/A	Vapor Density	N/A
Evaporation Rate	N/A	Boiling Point	N/A
Freezing Point	N/A	pH in water	10-12
Specific Gravity	2.7-2.8	Coeff. Water/Oil Dist.	N/A

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

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		

**SECTION V - REACTIVITY DATA**

Chemical Stability	Stable
Incompatibility with Other Substances	Inorganic acids Water
Reactivity, and under what conditions	Reacts with inorganic acids, giving carbon dioxide gas Reacts with water forming polymerized silicates and calcium hydroxide

NOTE: N/A = Not Applicable

**SECTION VI – HEALTH HAZARD DATA**

Before mixing with water: Classified as a nuisance dust by OSHA, MSHA and ACGIH. Exposure can affect skin, eyes and mucous membranes.

After mixing with water: Forms caustic solution (pH = 10 to 12).

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. Prolonged contact under moist conditions can cause caustic burns. Excessive inhalation of crystalline silica dust may result in respiratory disease, including silicosis, pneumoconiosis and pulmonary fibrosis.

**Exposure Limits**

10 mg total dust/m<sup>3</sup> for a work shift 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.

**Medical Conditions Aggravated by Exposure**

Hypersensitive reaction may cause allergic dermatitis. Individuals with pulmonary or respiratory disease should avoid exposure to dust.

Carcinogenicity	NTP No	IARC Monographs No	OSHA Regulated No
Teratogenicity	N/A	Reproductive Toxicity	N/A
Mutagenicity	N/A	Synergistic Products	None known

Emergency First Aid Procedures See Section IX.

**SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE****Personal Protective Equipment**

Where the creation 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.

**SECTION VIII – CONTROL MEASURES****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.

**Section VIII, continued****Waste Disposal**

If uncontaminated, dispose as a non-metallic mineral.

If contaminated, use appropriate method for contaminant in accordance with applicable regulation(s).

**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.

**Special Shipping Information**

Protect from moisture.

**SECTION IX - 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 of Dust	Remove to fresh air. Give oxygen with artificial respiration as needed. Obtain medical attention for treatment, observation and support as needed.

**MSDS PREPARATION DATA**

Prepared By	Mutual Target LLC., Quality Control Department
Phone Number	(360) 705-6508
Date	January 1, 2005

**NOTE:**

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 at the time of issue of the MSDS. Because conditions of use are outside our control, it is the responsibility of the user to verify safety data for combinations with other materials, or for use in specific processes, and to verify local waste disposal requirements.