

Material Safety Data Sheet

This document has been prepared to comply with OSHA'S Hazard communication Standard, 29CFR 1910, 1200

Emergency/Information Telephone Numbers:

Section I: Identity:

American Concrete Products
 257 WL Runnels Rd., Hattiesburg, MS 39401
 1437 Hugh Wallis Rd., Lafayette, LA 70508
 6664 Hwy. 149 S., Tatum, TX 75691

(601) 583-2274
 (337) 234-3288
 (903) 947-2004

Section II: Hazard Ingredients/Identity Information

Percent of Material**

Hazardous Components (Specific Chemical Identity: Common Name(s))	Cas#	OSHA PEL	ACGIH TLV	Other Limits Recommended	Light Weight Gray Block	Heavy Weight Blocks	Light Weight with Water proofing	Heavy Weight with Water-proofing
AL2O3 Alumina, Respirable	1344-28-1	15 mg/m ³ (total dust)	10 mg/m ³ (total dust)	NA	4.114		4.114	
Akyl Olefin Sulfate	68439-57-6	N.E.	N.E.	N.E.	<0.019	<0.019		
CaO Calcium Oxide	130578-8	5 mg/m ³	2 mg/m ³	NA	0.168		0.168	
Coconut Oil Acid Diethanolamine (Coconut Diethanolamide)	68603-42-9	N.E.	N.E.	N.E.	<0.019	<0.019		
CaSO4 Calcium sulfte (gypsum)	7778-18-9	10 mg/m ³ (total dust) 5 mg/m ³ (resp. dust)	10 mg/m ³ (total dust)	NA	1.092	0.498	1.092	0.498
Fe2O3 Ferric Oxide	1309-37-1	10 mg/m ³ (total dust)	5 mg/m ³ (total dust)	NA	1.31		1.31	
MgO Magnesium Oxide	1309-48-4	15 mg/m ³	10 mg/m ³	NA	0.582		0.582	
Portland cement	65997-15-1	50 million particles/ft ³	10 mg/m ³ (total dust)		17.108	7.802	17.108	7.802
SiO2 Silica Amorphous	7631-86-9	80 mg/m ³ /%SiO2(total dust)	10 mg/m ³ (total dust)	NIOSH 6 mg/m ³				
SiO2 Silica Crystalline	148-086-97	30 mg/m ³ /%SiO2+2(total dust) 10 mg/m ³ /%SiO2+2(resp dust)	0.1 mg/m ³ (resp dust)	0.05 mg/m ³				
TiO2 Titanium Dioxide respirable	13463-67-7	15 mg/m ³ (total dust)	10 mg/m ³ (total dust)	NA				
SiO2 Total					13.665	0.520	13.664	0.520

*Also subject to alternative TLV for respirable particulates not otherwise classified (NOC) - 3 mg/m³

** The composition is variable depending on the natural variability from the mined ores and exact process each components is subjected to. Trace Constituents. The following trace constituents may be found: Diethylene-glycol, Amine Phenolate, Potassium sulfate, sodium sulfate, chromium compounds, and nickel compounds.

Section III- Physical/Chemical Characteristics

Boiling Point (°F)----- NA Vapor Pressure (mm Hg) -----NA Vapor Density (Air=1) ----- NA
 Solubility in Water----- NA Percent Volatile by Mass (%) -----NA pH ----- NA
 Evaporation Rate (Butyl Acetate=1) ----- NA Specific Gravity (H₂O)=1)----Light blocks=1.32, Heavy blocks=1.74
 Appearance and Odor Evaporation Rate (Butyl Acetate=1)--Odorless granular solid

Section IV- Fire and Explosion Hazard data

Flash point ----- NA Unusual Fire and Explosion Hazards ----- NA
 Extinguishing Media ----- NA Flammable Limits: LEL ----- NA UEL-----NA
 Special Fire Fighting Procedures ----- NA

Section V - Reactivity

Stability: Stable
 Conditions to avoid: Avoid contact with incompatible materials (see below)
 Incompatibility (Materials to avoid): Contact with powerful oxidizing agents such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride may cause fire and/or explosions.
 Hazardous Decomposition Products: Silica dissolves readily in Hydrofluoric acid producing a corrosive gas-silicon tetrafluoride.
 Hazardous Polymerization: Will Not Occur

Section VI - Health Hazard Data

Routs(s) of Exposure: Inhalation? Yes Skin? No Ingestion? No
 Health Hazards (Acute and Chronic): Dry sawing or grinding of concrete masonry products may result in the release of crystalline silica. Prolonged exposure to crystalline silica may cause delayed (chronic) lung damage (silicosis). Heavy exposure can cause acute or quick onset of silicosis. Silicosis is a debilitating pulmonary fibrosis which can be progressive and lead to death.
 Carcinogenicity: NTP? Yes IARC Monographs? Yes OSHA Regulated? Yes
 California Proposition 65:
 Warning: This product contains chemicals known to the state of California to cause cancer.

Signs and Symptoms of Exposure: When present, undue breathlessness, wheezing, cough, sputum production, Acute silicosis is the same except for addition of weight loss and fever.
 Medical Conditions Generally Aggravated by Exposure: Respiratory diseases, Heart and Kidney disorders.
 Emergency and First Aid Procedures: For sand in eyes, flush with water for minimum of 15 minutes. If irritation persists seek medical attention. For gross inhalation, move to fresh air and give artificial respiration as needed, seek medical attention.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled:
 When dry sawing or grinding, use dustless systems for handling, storing and clean up so that airborne dust does not exceed the PEL. Use adequate ventilation and dust control equipment.
 Practice good housekeeping. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or equipment. Maintain clean and fit tested respirators in accordance with OSHA regulations. Maintain test ventilation and dust control equipment. Wash or vacuum clothing which has become dusty.
 Water Disposal Method: Normal breakage may be packed up and discarded as common waste. Residue from dry sawing or grinding operations should be disposed of in accordance with federal, state and local regulations.
 Other Precautions:
 See OSHA Hazard Communication Rule 29 CFR 1910.1200.1915.99, 1917.28, 1918.90. 1926.59, and 1928.21, and state and local worker or community "right to know" laws and regulations.
 We recommend that smoking be prohibited in all areas where respirators are used. **WARN YOUR EMPLOYEES (AND YOUR CUSTOMERS-USERS IN CASE OF RESALE) BY POSTING, AND OTHER MEANS OF COMMUNICATION, OF THE HAZARD AND OSHA PRECAUTIONS TO BE USED. PROVIDE TRAINING FOR YOUR EMPLOYEES ABOUT THE OSHA PRECAUTIONS.**

Section VIII - Control Measures

Respiratory Protection.
 NIOSH-MSHA Approved Dust Respirators
 Ventilation:
 Local Exhaust: When dry sawing or grinding concrete masonry products use sufficient local exhaust to reduce the level of respirable dust to the PEL.
 Mechanical: See other precautions Section VII.
 Special/Other: See other precautions Section VII.
 Protective Gloves: Recommended but not required.
 Eye Protection: When sawing or grinding concrete masonry products, wear protective shield, goggles, or safety glasses with side shields.
 Work Hygienic Practices: Avoid creating and breathing dust