



First Materials & Technology, Inc.

CHEMISTRY AND MECHANICS AT WORK

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MATERIAL SAFETY DATA SHEET

Revised: January 2, 2011

Trade Name **TRU-CHEM®**

Information Phone: 713/869-8631

Emergency Phone : (800) 255-3924

Chemical Name(s) calcium oxide CAS No. 1305-78-8 coal ash 681 31-74-8

SECTION II HAZARDOUS INGREDIENTS

Component	Formula	OSHA PEL	ACGIH TLV	Typical%
Calcium Oxide	CaO	5 mg/m ³	2 mg/m ³	20-60
Silica : Amorphous	SiO ₂	80 mg/m ³ /% SiO ₂	10 mg/m ³	10-60
Silica : Crystalline (Respirable)	SiO ₂	10 mg/m ³ /(% SiO ₂ +2)	0.10 mg/m ³ /(% SiO ₂ +2)	1.8-3.2
Alumina (Respirable)	Al ₂ O ₃	5 mg/m ³	10 mg/m ³ (total)	0.5-21
Titanium Oxide (Respirable)	TiO ₂	5 mg/m ³	10 mg/m ³	0.33-2
Ferric Oxide	Fe ₂ O ₃	10 mg/m ³	5 mg/m ³	1-14.5
Magnesium Oxide	MgO	15 mg/m ³	10 mg/m ³	0.5-10

SECTION III PHYSICAL DATA

Boiling Point, °F	N/A	pH 11 (20% solution)	
Solution in water	N/A	Specific Gravity (H ₂ O = 1)	N/A
Appearance and Odor	Tan or grayish white powder; odorless		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point (test method)	N/A
Flammable limits in air, percent by volume	Lower : N/A Upper : N/A
Extinguishing media	N/A

SECTION V HEALTH HAZARD DATA

Special fire fighting Fire fighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate Unusual and explosion hazards none-Threshold limit value N/A-

Effects of Overexposure:

Acute : Irritation of eyes, skin and mucous membranes.

Chronic : Fibrotic diseases of the lungs and potential carcinogenicity.

Emergency First Aid Procedures

Skin : Wash with mild soap and water

Ingestion : keep warm, at rest and drink large amounts of water. See physician.

Eyes : Thoroughly flush with water. See physician.

Inhalation : Move to fresh air. Consult a physician.

Medical Conditions: Persons with the history of respiratory illness and reduced pulmonary function Aggravated By Exposure should avoid work places with high dust levels. Persons with skin disorders may experience aggravation of the condition.

VI REACTIVITY DATA

Stability Stable : yes	Conditions to avoid : none known	Unstable : N/A
Incompatibility	none known (materials to avoid)	
Hazardous Decomposition	none known	
Hazardous Polymerization	May Occur : N/A	Conditions to avoid : none known Will Not Occur : yes

VII SPILL OR LEAK PROCEDURES

Steps To be Taken Clean up material for use or disposal. Dampen with water mist to control dust
If Material Released (airborne dust) before removal. Do not use compressed air. If loaded on trucks, Or Spilled moderately wet down to prevent dusting during transport.

Waste Disposal Method Dispose of in an approved land fill . Observe local, state, and federal regulations.

TRU-BLN® is not a RCRA listed hazardous waste. It is not federally regulated.

VIII SPECIAL PROTECTION INFORMATION

Respiratory Method (specify type) Single use, replaceable or removable filters for dust MSHA/ NIOSH Approval #TC-21C-XXX

Ventilation Local exhaust : when possible use dust collector Special : none Mechanical (general) : for indoor work places Other : none

Protective Gloves Normal work gloves Eye Protection Safety goggles in dusty operations

Other Protective Equipment Recommended coveralls in high concentration conditions.

IX SPECIAL PRECAUTIONS

Handling & Storage : Store in dry conditions . Other Precautions: Avoid creating dust.

Practice good hygiene; wash hands and face prior to eating and drinking.