

# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. This Standard must be consulted for specific requirements.

# **U.S. Department of Labor**

Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072

<b>IDENTITY</b> (As Used on Label and List)	Note: Blank spaces are not permitted. If any item is not
OPF42 (Hydrated Aggregate Base)	applicable, or no information is available, the space must be
	marked to indicate that.

### Section I

Manufacturer's Name	Emergency Telephone Number
NISCO/LA Ash, Inc.	Transport Emergency (CHEMTREC) 1-800-424-5300
	Medical Emergency 1-800-441-3637
Address (Number, Street, City, State, and ZIP Code)	<b>Telephone Number for Information</b>
3400 Houston River Road	<b>Plant</b> (337) 494-6125
	Product Information (281) 293-5550
	Date Prepared/Revision Date
Westlake, LA 70669	3/26/1999/REV: 12/18/2008
	Signature of Preparer (optional)
MSDS Code: COKC015	s./ D. King

## Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific	OSHA PEL	ACGIH TLV	Other Limits	%
Chemical Identity; Common			Recommended	(optional)
Name(s))				42.70
Calcium Sulfate				43-70
Dihydrate (CaSO4.2H2O)				
(CAS #10101-41-4)				
Hemihydrate (CaSO4.1/2 H2O)				
(CAS #10034-76-1)				
Anhydrite (CaSO4)				<1
(CAS #7778-18-9)				
Total Dust	15 mg/m3	10 mg/m3 (Containing no	8-Hr. TWA	
Respirable Dust	5 mg/m3	asbestos and <1% free silica)	8-Hr. TWA	
Calcium Hydroxide (Ca(CH)2)	None Established	5 mg/m3	8-Hr. TWA	20-30
(CAS #1305-62-0)				
Calcium Carbonate (CaCO3)				4-22
(CAS # 471-34-1)				
Total Dust	15 mg/m3	1C mg/m3	8-Hr. TWA	
Respirable Dust	5 mg/m3		8-Hr. TWA	
Quartz (SiO2)				<2.5
(CAS #14808-60-7)				
Total Dust	30 mg/m3 / % SiC2 + 2		8-Hr. TWA	
Respirable Dust	10 mg/m3 / % SiO2 + 2	0.1 mg/m3	8-Hr. TWA	
		Or See: Christobalite (14464-46-		

		1), Fused Silica (60676-86-0), Tridymite (15468-32-2), Tripoli (1317-95-9), Notice of Intended Changes (1998)		
Magnesium Hydroxide (Mg(OH)2) (CAS #1309-42-8)				1.7-2.5
Magnesium Oxide (MgO) (CAS #1309-48-4)	15 mg/m3	10 mg/m3	8-Hr. TWA	<1
Calcium Oxide (CaO) (CAS #1305-78-8)	5 mg/m3	2 mg/m3	8-Hr. TWA	<1
Free Moisture (H2O) (CAS #7732-18-5)				5-10
Miscellaneous				<2

AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

## Section III - Physical/Chemical Characteristics

Boiling Point		Specific Gravity ( $H_2O = 1$ )	pH
N/A	N/A	N/A	-
Vapor Pressure (mm Hg.)		Melting Point	
Vapor Density (AIR = 1)	N/A		NA
Bulk Density (Loose)		Evaporation Rate	
• • •	Approx. 70/lb. cu. ft.	(Butyl Acetate = 1)	NA
Solubility in Water			
Insoluble			
Appearance and Odor			
Ashen Grey to White; Granular	or Crushed Stone; No Odo	r	

# Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL		
N/A	Will not burn.	N/A	N/A		
Extinguishing Media	Extinguishing Media				
Use media appropriate for surrounding material.					
Special Fire Fighting Procedures					
Wear self-contained breathing apparatus.					
Unusual Fire and Explosion Hazards					
N/A					

# Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	Х	Skin contact and inhalation.
Incompatibility (Mater	ials to Avoid)		
None reasonably foresee	eable. Reacts oxothermica	ally to release heat when w	water is added.
Hazardous Decomposi	tion or Byproducts		
Hazardous gases/vapors	produced in fire are SOx,	when decomposed.	
Hazardous	May Occur		Conditions to Avoid
Polymerization	-		
	Will Not Occur	Х	N/A

# Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	No
Health Hazards (Acute a	and Chronic)		· · · · · · · · · · · · · · · · · · ·
	, skin and mucous membranes of		
	s, silicosis. Silicosis is chronic o		
silicon-containing scar tis	sue in the lungs. Symptoms inc	lude coughing, dyspnea, wheez	ting, and nonspecific respiratory
ailments.			
Carcinogenicity:	NTP?	LADC Monographs?	OSILA Degulated?
Crystalline Silica	known human carcinogen	IARC Monographs? Group 1	<b>OSHA Regulated?</b> Yes
Quartz (SiO2)	Yes	Gloup I	No
Signs and Symptoms of	- •••		
0 i i	and/or skin. Silicosis and poter	tially lung tumors from exposu	re to crystalline silica
·	erally Aggravated by Exposu		ne to erystamme smea.
	existing diseases of the lung.		
Emergency and First Ai	· · · · · ·		
	esh air. If not breathing, give ar	tificial respiration. If breathing	difficult, give oxygen. Call
Physician.			, , 8 , 8
5	l not likely to be hazardous by sl	kin contact, but cleansing the sl	kin after use is advisable.
	y flush with water for minimum		
Toxicological Informati	on		
	ontact may initially include irrita		
	observed in rats exposed for up		
Pulmonary fibrosis empl	ysema, and lung tumors were al	so observed in rats exposed to	quartz by intratracheal instillatio

#### Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Recover undamaged and minimally contaminated material for reuse and reclamation. Shovel or sweep up.

#### Waste Disposal Method

In accordance with applicable Federal, State and local regulations. Do not flush to surface water or sanitary sewer system. Reuse and reclaim where feasible.

#### Precautions to Be taken in Handling and Storing

Store in accordance with National Fire Protection Assoc. recommendations. Avoid breathing dust. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling. Wash clothes after use.

#### **Other Precautions**

Avoid generating dusty conditions.

## **Section VIII - Control Measures**

#### **Respiratory Protection** (Specify Type)

NIOSH/MSHA approved air purifying respirator with a dust/mist cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (e.g., 3 mg/m3, respirable particles; 10 mg/m<sup>3</sup>, inhalable particles).

Ventilation	Local Exhaust		Special
Keep area well ventilated.	N/A		N/A
	Mechanical (Gener	al)	Other
	N/A		N/A
Protective Gloves	Eye Protection		
Leather gloves to prevent abrasions.	Safety glasses.		
Other Protective Clothing or Equipment			
Sufficient protective clothing to minimize skin exposure. Launder contaminated clothing before reuse.			
Work/Hygienic Practices			
Wash thoroughly with soap and water to avoid prolonged skin contact.			

#### **Section IX - Special Precautions**

Precautions to be taken in Handling and Storing	
N/A	
Other Precautions	
N/A	

# Section X – Transportation, Regulatory, & Other Information

DOT: Not required.
ICAO/IMO: Not restricted.
OSHA Hazard Determination
This material is hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200.
CERCLA/Superfund
This material is not known to contain any ingredient(s) subject to this act.
SARA, Title III, 302/304
This material is not known to contain extremely hazardous substances.
SARA, Tital III, 311/312
Acute: Yes
Chronic: Yes
Fire: No
Reactivity: No
Pressure: No
SARA, Title III, 313
This material is not known to contain any chemical(s) at a level of 1.0% or greater (0.1% for carcinogens) on the list.
TSCA
Material and/or components are listed in the TSCA Inventory of Chemical Substances, 40 CFR 710.
RCRA
This material, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations. It could
become a hazardous waste if it is mixed with or comes in contact with a listed hazardous waste. If it is hazardous waste,
regulations at 40 CFR 262-266 and 268 may apply.
Clean Water Act
This material is not known to contain hazardous substances in sufficient quantity to make it subject to Clean Water Act
regulations.
NFPA, NPCA-HMIS
Ratings: Health – 1
Flammability – 0
Reactivity – 0
Personal Protection rating to be supplied by user depending on use conditions.
Product Use
Embankment and stabilized base.
Each MSDS must be reviewed for correctness and completeness every three years.

Reviewed by	
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Reviewed by
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Review date \_\_\_\_\_

Review date \_\_\_\_\_