

Material Safety Data Sheet

Appendix A

Date last revised 9/28/98

I. General Information

Chemical Name & Synonyms LOS Fly Ash -- Unit 1	Trade Name & Synonyms LOS Fly Ash -- Unit 1
Chemical Family	Formula
Proper DOT Shipping Name	DOT Hazard Classification
Manufacturer Basin Electric Power Cooperative Leland Olds Station	Manufacturer's Phone Number 701-745-3371
Manufacturer's Address 3901 Highway 200A, Stanton, ND 58571-9417	Chemtrec Phone Number

II. Ingredients

Principal Hazardous Components	Percent	Threshold Limit Value (units)
Calcium Oxide	30	2.0 mg/m ³
Silicone Dioxide	35	10 mg/m ³
Aluminum Oxide	12	10 mg/m ³
Iron Trioxide	8.5	5.0 mg/m ³
Magnesium Oxide	6.5	10 mg/m ³
Potassium Oxide	4.7	15 mg/m ³
Sulfur Trioxide	4.7	15 mg/m ³

III. Physical Data

Boiling Point (°F) N/A	Specific Gravity (H ₂ O = 1) > 1
Vapor Pressure (mm Hg.) N/A	Percent Volatile By Volume (%) N/A
Vapor Density (Air = 1) N/A	Evaporation Rate (_____ = 1) N/A
Salubility in Water N/A	pH N/A
Appearance & Odor Fine Tan to Gray Powder, Odorless	

IV. Fire & Explosion Hazard Data

Flash Point (Test Method) N/A	Auto Ignition Temperature	
Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media N/A		
Special Fire Fighting Procedures N/A		

Unusual Fire & Explosion Hazards

V. Health Hazard Data

OSHA Permissible Exposure Limit	N/A	ACGIH Threshold Limit Value	N/A
Carcinogen - NTP Program	N/A	Carcinogen - IARC Program	N/A
Symptoms of Exposure	Irritating to nose and throat. Will burn skin when moisture is present.		
Medical Conditions Aggravated By Exposure			
Primary Route(s) of Entry	Respiration and absorption		
Emergency First Aid	Flush eyes and skin with water. Remove clothing if it becomes contaminated.		

VI. Reactivity Data

Stability	<input checked="" type="checkbox"/> Stable	<input type="checkbox"/> Unstable	Conditions To Avoid
Incompatibility	Materials To Avoid		
Hazardous Polymerization	<input checked="" type="checkbox"/> Will Not Occur	<input type="checkbox"/> May Occur	Conditions To Avoid
Hazardous Decomposition Products			

VII. Environmental Protection Procedures

Spill Response	Spills may be cleaned up by hand, vacuum truck, or mobile equipment.
Waste Disposal Method	Dispose of IAW federal, state, and local regulations.

VIII. Special Protection Information

Eye Protection	Chemical goggles or full-face respirator	Skin Protection	Gloves
Respiratory Protection (Specific Type)	Dust masks up to 5X PEL	Ventilation Recommended	Yes
Other Protection	Full-face respirators when concentrations >5X PEL		

IX. Special Precautions

Hygienic Practices In Handling & Storage	N/A
Precautions For Repair & Maintenance Of Contaminated Equipment	See Special Protection Information
Other Precautions	