

Material Safety Data Sheet

Product: **Coal Slag**
Manufacturer: **Alliant Energy Corporation**
Phone: 608-252-3300
Effectiver Date: **12/1/92**
Item Ids: **N/A**
DAEC Class Code
MSDS #: **A07910**

Material Safety Data Sheet

IDENTITY: COAL SLAG
ALTERNATE NAMES: Cyclone Boiler Slag; Cyclone Bottom Ash;
Bottom Ash; Slag Residue, Black Jack
1240, 2040, 3060

SECTION I

Manufacturers's Name:
Alliant Energy Corporation
222 W. Washington Avenue
Madison WI

Emergency Telephone Number: 608-252-3300
Telephone No. for Information: 608-252-5797

SECTION II HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components	OSHA PEL	ACGIH TLV
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This product is a stable, amorphous glass-like compound which has no known hazardous materials subject to the limits of 29 CFR 1910.1200. Toxic effects from exposure have not been demonstrated. Typical free silica is less than 0.1%. Use ACGIH TLV for nuisance dust (10 mg/M3 - total dust) for exposure guidance.

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point:	Not Applicable
Specific Gravity (H ₂ O=1):	2.75
Vapor Pressure (mm Hg.):	Not Applicable
Vapor Density (Air = 1):	Not Applicable
Melting Point:	Not Applicable
Evaporation Rate (Butyl Acetate = 1):	Not Applicable
Solubility in Water :	Not Soluble
Appearance and Odor :	Reddish brown coloring with glassy luster. There is no odor. This product is an angular, glass-like aggregate.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): Will not ignite
Flammable Limits: Non - flammable
LEL : Not Applicable UEL: Not Applicable
Extinguishing Media: Non - flammable
Special Fire Fighting Procedures : Not Applicable
Unusual Fire and Explosion Hazards : None

SECTION V REACTIVITY DATA

Stability : None
Omc, [atobo;otu (Materials to Avoid) : None
Hazardous Decomposition or Byproducts : None
Hazardous Polymerization : Will not occur

SECTION VI HEALTH HAZARD DATA

Route (s) of Entry : Inhalation, Eyes, Ingestion
Health Hazards (Acute and Chronic) : Mucous Membrane irritation exposure to dust - byproduct.
Pneumonconiosis may be possible from chronic over use.
Carcinogenicity : NTP : No IARCMonographs : No OSHA Regulated : No
Sign and Symptoms of Exposure: None
Medical Conditions Generally Aggravated by Exposure: Respiratory illness.
Emergency and First Aid :
Eyes : Flush with water for 15 minutes
Inhalation : Move the person to fresh air.
Ingestion: Drink large amounts of water.
Skin : Flush skin with mild soap and water.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled :
Follow established procedures for handling unregulated dusts and sands. Scoop or shovel into container. Wetting with water will reduce airborne dust.
Waste Disposal Method :
Contain and send to landfill according to federal, state and local regulations.
Precautions to be Taken in Handling and Storing :
Minimize inhalation and direct skin contact. Resperator required in enclosed or poorly ventilated spaces and all other work involving high slag exposure.
Other Precautions : None.

SECTION VIII CONTROL MEASURES

Respiratory Protection (Specify Type) :

NIOSH approved dust mask for comfort. NIOSH approved respiratory protection as required by OSHA for exposure above PEL.

Ventilation :

Local Exhaust :	To maintain exposure below TLV - PEL
Mechanical (General) :	To maintain exposure below TLV - PEL
Special :	NONE
Other :	NONE

Protective Gloves :

Use gloves to prevent skin punctures.

Eye Protection :

Safety glasses or chemical goggles.

Other Protective Clothing or Equipment :

- 1) Safety glasses and normal work clothing for limited exposure.
- 2) Tight fitting goggles, respiratory protection, and full body protective coveralls for high exposure situations.

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