

**MATERIAL SAFETY DATA SHEET**

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Revision No.: 2

Date: July, 2019

**FLY ASH**

**Supplier**

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**1. Identification of the product and the company**

Identification of the product: Powder.  
 Company identification: See supplier.  
 Trade name: **FLY ASH**  
 Type of product: Supplementary Cementitious Material.  
 Use: Industrial.

**2. Information on ingredients**

Chemical Name: Silicon Dioxide  
 Hazardous Ingredients Components: NIL  
 C A S No.: 681-31-74-8  
 Other Components: Silica

**3. Hazards identification**

**Health:**

Symptoms relating to use:

- Inhalation: Coughing and Sneezing.
- Skin contact: Skin Irritant.
- Eye contact: Eye irritant upon direct contact. Redness, pain. Blurred vision.
- Ingestion: Do not ingest fly ash. Although ingestion of small quantities is not known to be harmful, large quantities can cause distress to the digestive tract.

**Fire:** Not Flammable.

**4. First aid measures**

- **Inhalation:** Assure fresh air breathing. If you feel unwell, seek medical advice.
- **Skin Contact:** Wash skin thoroughly with mild soap and water. Seek medical attention if irritation develops.
- **Eye Contact:** Rinse immediately with plenty of water. Seek medical attention immediately.
- **Ingestion:** Do not induce vomiting. If conscious, have the person drink plenty of water. Seek medical attention.

**5. Fire - fighting measures**

- Suitable extinguishing media: Dry Chemical Powder.
- Fire Fighting Protective Equipment Special Hazards: NIL.

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**6. Accidental release measures**

- Personal precautions: Equip cleanup crew with proper protection.
- Environmental precautions: Prevent entry to sewers and public waters.  
Notify authorities if liquid enters sewers or public waters.
- After spillage: Place spilled material in a container. Avoid actions that cause the fly ash to be airborne by using appropriate vacuum system or thoroughly wet with water.

**7. Handling and storage**

- Storage: Store in dry, well-ventilated area. Keep container closed when not in use.
- Handling: When handled pneumatically, use standard dust filters on vehicles and soil.

**8. Exposure controls | personal protection**

Personal protection



- Respiratory protection: Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.
- Hand protection: Gloves.
- Skin protection: Wear proper protective equipment.
- Eye protection: Safety glasses.
- Ingestion Industrial: Don't eat, drink or smoke.
- Hygiene: Provide good ventilation in process area to prevent formation of dust.

**9. Physical and chemical properties**

- Physical state: Fine Powder.
- Color: Grey to brown/tan.
- Odor: None.
- pH value: N/A.
- Density: 2.10 – 3.00
- Solubility in water: Negligible.

**10. Stability and reactivity**

- Hazardous reactions: Considered to be stable.
- Hazardous properties: None under normal conditions.
- Conditions to avoid: Dry material can become airborne in moderate winds.

**11. Toxicological information**

Rat oral LD50 [mg/kg]: NIL.

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**12. Ecological information**

LC50-96 Hour - fish [mg/l]: NIL.

**13. Disposal considerations**

General: Fly Ash is not classified as RCRA hazardous waste, it can be disposed of as an inert solid in a permitted landfill. Avoid release to the environment. Comply with local regulations for disposal.

**14. Transport information**

General: Fly Ash is exempt from transport classification and labelling. Transportation of Fly Ash must be in compliance with the provisions of ADR for road, RID for rail, IDMG for sea and the ICAO/IATA for air transport.  
Suitable for air, sea and land transport.

**15. Regulatory information**

Symbol(s) R: None.

Phrase(s) S: None.

Phrase(s): None.

**16. Other information**

Further information: Recommended uses and restrictions: See technical Data Sheet for detailed information.

The contents and format of this MSDS are in accordance with EEC Commission Directive 2001/58/EC.

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