Cemen	tation®
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# **MATERIAL SAFETY DATA SHEET (MSDS)**

### 1. PRODUCT INDENTIFICATION AND COMPANY DETAILS

Product Name:	<b>Cementation</b> – Fly Ash
Product Identifier:	Coal Fly Ash, Bottom Ash, Pulverized Fuel Ash.
Product Use:	Industrial Use, Structural Fill, Cement Replacement, Asphalt Products,
	Concrete & Concrete Products.
H S Code:	26-21-90-00
<b>Company Details:</b>	CEMENTATION INDIA PVT. LTD.
Address:	02 / 2 <sup>ND</sup> Floor, TIME SQUARE - II, Ward 7B
	Gandhidham (Kutch) – 370201,
	Gujarat – INDIA.
Telphone:	+91-7567961589 / 9925891754

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS No.	Percent (%)	Classification (GHS-US)
Fly Ash	681 31 74 8	<100	n/a
Silica	14808-60-7	0 – 0.5	Carc. 1A, H350 STOT SE 3, H335 STOT RE 1, H372
Calcium Oxide	1305-78-8	1 - 8	Skin Corr. 1C H314 Eye Dam. 1, H318 STOT SE 3, H335

# 3. HAZARDS IDENTIFICATION

Eyes:	May cause slight irritation, watering and redness.
Skin:	May cause minor irritation.
Ingestion:	May result in abdominal discomfort.
Inhalation:	Irritating to nose, throat, causing coughing and sneezing.
Chronic Effects:	Prolonged or repeated inhalation of dust containing Inhalation of high concentrations of Fly Ash may result in inflammation of the small airways of the lung and asthma-like symptoms or bronchitis.

## 4. FIRST AID MEASURES

Eyes:	Flush eyes with plenty of water.
Skin:	Wash skin immediately with soap and water.
Ingestion:	Seek medical attention.
Inhalation:	Move person to fresh air. Obtain medical if symptoms persist.

Extinguishing Media:	Product is not flammable. Use normal fire fighting equipment and
Fire Fighter Protection:	practices. Firefighters should wear full bunker gear; including positive pressure
U U	self-contained breathing apparatus.
Special Hazard:	Not considered flammable.
ACCIDENTAL RELEASE MEAS	SURES
Personal Precautions:	Refers to section 8.
<b>Environmental Precautions</b>	Prevent entry to sewers and public waters.
Vacuum:	Use high efficiency air vacuum or wet sweep.
HANDLING AND STORAGE Handling Precautions:	Avoid generating dust during handling in the dry state. When handled
Storage Conditions:	pneumatically, use proper dust filters n vehicles d silos. Store in dry place. Protect from moisture.
PERSONAL PROTECTION / E	XPOSURE CONTROL
Eye/Face Protection:	Safety glasses with side and brow protection should be worn at all tim during handling Fly Ash: goggles preferred.
	Wear chemically resistant protective gloves. Wear suitable protective
Skin Protection:	Clothing. Boot covers should be worn.

Property: Value	Property: Value
<b>Appearance (physical state, color, etc.):</b> Light to dark grey or light brown	Upper/lower flammability or explosive limits: Not applicable
Odor: Odorless	Vapor Pressure (Pa): Not applicable
Odor threshold: Not applicable	Vapor Density: Not applicable
<b>pH (25 °C)</b> : 9 - 12	<b>Specific gravity or relative density:</b> 2.3-2.7
<b>Melting point/freezing point (°C):</b> Not applicable	Water Solubility: Not soluble.
<b>Initial boiling point and boiling range (°C):</b> Not applicable	<b>Partition coefficient: n-octane/water:</b> Not determined
Flash point (°C): Not determined	Auto ignition temperature (°C): Not applicable
<b>Evaporation rate:</b> Not applicable	<b>Decomposition temperature (°C):</b> Not determined
Flammability (solid, gas): Not combustible	Viscosity: Not applicable

### **10. STABILITY AND REACTIVITY**

Stability:The product is considered to be stable.Conditions to avoid:Avoid spreading dust and from moisture.Hazardous Decomposition Products:None.

### **11. TOXICOLOGICAL INFORMATION**

Eyes:

Skin:

Ingestion: Inhalation: Due to the reaction with moisture in the eye irritation of the Conjunctiva occurs if dust remains in contact with the eye. Dry PFA will have little effect on the skin. However, when moist it is alkaline and prolonged or repeated contact can cause abrasion and irritant dermatitis. There are no known adverse effects following ingestion. There is no clinical evidence of a significant risk of harm to the r

#### **12. ECOLOGICAL INFORMATION**

Toxicity:	No information available.
Persistence and Degradability:	No information available.
<b>Bio-accumulative Potential</b> :	No information available.
Mobility in Soil:	No information available.

#### **13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Recommendations:** Refer Sections 7 and 8 above for safe handling and use, including appropriate hygienic practices. Dispose of all waste product and containers in accordance with all local, regional, national and international regulations.

respiratory tract or lungs.

#### **14. TRANSPORT INFORMATION**

DOT:	Not regulated for transport
IMDG:	Not regulated for transport
IATA:	Not regulated for transport

#### **15. REGULATORY INFORMATION**

OSHA/MSHA Hazard Communication:	This product is considered by OSHA/MSHA to be a hazardous chemical and should be included in the employer's hazard communication program.
CERCLA/SUPERFUND:	This product is not listed as a CERCLA hazardous substance.
EPCRA:	This product has been reviewed according to the EPA <b>SARA Title</b> <b>III:</b> Hazard Categories promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 and is considered a hazardous chemical and a delayed health hazard.
EPRCA:	This product contains none of the substances subject <b>SARA</b> <b>Section 313:</b> to the reporting requirements of Section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

RCRA:	If discarded in its purchased form, this product would not be a hazardous waste either by listing or characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.
TSCA:	Ash and crystalline silica are exempt from reporting under the inventory update rule.

### **16. OTHER INFORMATION**

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