

# Material Safety Data Sheet

## ARIZONA PORTLAND CEMENT COMPANY

A DIVISION OF CALIFORNIA PORTLAND CEMENT COMPANY  
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<b>MANUFACTURERS NAME</b> Arizona Portland Cement Company	<b>DATE</b> 11-09-90	<b>MSDS NUMBER</b> 0013	<b>PREPARER</b> Grady
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<b>ADDRESS</b> 11151 Casa Grande Highway Rillito, AZ 85246	<b>EMERGENCY TELEPHONE NUMBER</b> (602) 622-3503
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### SECTION I

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<b>CHEMICAL FAMILY</b> Non-Crystalline Alumina Silicate	<b>TRADE NAME &amp; SYNONYMS</b> Tucson Flyash, Type F Flyash
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<b>CHEMICAL NAME &amp; SYNONYMS &amp; FORMULAS</b>	<b>TLV'S</b>
Flyash (CAS # 68131-74-8)	10 mg/m <sup>3</sup> *
Al <sub>2</sub> O <sub>3</sub> 20-25%	
SiO <sub>2</sub> 55-65%	
Fe <sub>2</sub> O <sub>3</sub> 4-7%	
CaO 3-6%	
plus small amounts of MGO, K <sub>2</sub> O may be present.	

\* TLV for nuisance dust.

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### SECTION II - HAZARDOUS INGREDIENTS

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Fly Ash is not listed by NTP, IARC, or OSHA as containing carcinogens.

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### SECTION III - PHYSICAL DATA

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**BOILING POINT**  
N/A, as Fly Ash  
is a powdered solid

**SPECIFIC GRAVITY**  
2.90

**VAPOR PRESSURE**  
N/A, as Fly Ash  
is a powdered solid

**PERCENT VOLATILE BY VOLUME**  
0%

**VAPOR DENSITY**  
N/A, as Fly Ash  
is a powdered solid

**EVAPORATION RATE**  
N/A as Fly Ash  
is a powdered solid

**SOLUBILITY IN WATER**  
Slight

**APPEARANCE AND ODOR**  
Gray (or White) powder; no odor

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**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

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**FLASH POINT**

Fly Ash is noncombustible  
and nonexplosive

**SPECIAL FIREFIGHTING PROCEDURES**

N/A

**FLAMMABLE OR EXPLOSIVE LIMITS**

N/A

**UNUSUAL FIRE & EXPLOSION HAZARDS**

None

**EXTINGUISHING MEDIA**

N/A

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**SECTION V - HEALTH HAZARD DATA**

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**THRESHOLD LIMIT VALUE (TLV)**

Respirable Dust - 5 mg/m<sup>3</sup>  
Total Dust - 10 mg/m<sup>3</sup>  
(nuisance dust)

**EFFECTS OF OVEREXPOSURE**

**Acute:** Dust can irritate the eyes  
and upper respiratory system.

**EMERGENCY & FIRST AID PROCEDURES**

Irrigate eyes with water;  
consult physician  
Wash exposed skin areas with  
soap and water.  
If ingested consult physician  
immediately. Give water.  
Induce vomiting.

**Chronic:** Flyash dust can cause  
aggravation to respiratory disorders.

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**SECTION VI - REACTIVITY DATA**

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**STABILITY**

Product is stable.  
Keep dry until used.

**HAZARDOUS DECOMPOSITION PRODUCTS**

None

**INCOMPATIBILITY**

None

**HAZARDOUS POLYMERIZATION**

Will not occur.

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**SECTION VII - SPILL PROCEDURES**

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**STEPS TO BE TAKEN IN CASE**

**MATERIAL IS SPILLED**

Use dry cleanup methods that do  
not disperse the dust into the air.

**WASTE DISPOSAL**

Material can be returned to container  
for later use, or it can be disposed  
of as an industrial waste.

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## SECTION VIII - SPECIAL PROTECTION INFORMATION

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### **RESPIRATORY PROTECTION**

The use of a NIOSH approved respirator is recommended. Based on airborne concentrations.

### **VENTILATION**

Local exhaust can be used to control airborne dust levels.

### **EYE PROTECTION**

The use of tight fitting goggles is recommended.

### **SKIN PROTECTION**

Use barrier cream, gloves, boots, and clothing to protect the skin from prolonged contact. After working with Flyash, workers should shower with soap and water.

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## SECTION IX - SPECIAL PRECAUTIONS

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### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

None

### **OTHER PRECAUTIONS**

None

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## SECTION X - CALIFORNIA PROP. 65 WARNINGS

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While Flyash is not listed by NTP, IARC, or OSHA as containing carcinogens, certain trace metal compounds are listed on the NTP and IARC lists of carcinogens.

**WARNING:** This product or area of its manufacture contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

The above warning is given for the following compounds present in trace amounts: hexavalent chromium, mercury compounds, nickel compounds, crystalline silica (Quartz), which are above the no significant risk level, if one is given.

This Warning required by section 25249.6 of the California Health and Safety Code.

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**SECTION XI - ABBREVIATIONS**

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<b>ACGIH</b> American Conference of Governmental Industrial Hygienists	<b>mg</b> Milligram
<b>CAS</b> Chemical Abstract Service	<b>MSHA</b> Mine Safety and Health Administration
<b>CFR</b> Code of Federal Regulations	<b>N/A</b> Not Applicable
<b>FR</b> Federal Register	<b>NIOSH</b> National Institute of Occupational Safety & Health
<b>IARC</b> International Agency for Research on Cancer	<b>NTP</b> National Toxicology Program
<b>m<sup>3</sup></b> Cubic Meter	<b>OSHA</b> Occupational Safety and Health Administration
	<b>TLV's</b> Threshold Limit Values

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**NOTICE:** The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet, however, no warranty or representation, express or implied, is made to the accuracy or completeness of the foregoing data and safety information. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.