

Material Safety Data Sheet

Product: Universal Blended White Cement

MSDS Date: 7/27/03
Product Name: Universal Blended White Cement
Manufacturer: Universal White Cement Company, Inc.

I. Product and Company Description

Universal White Cement Company, Inc.
P.O. Box 0579
Glendale, AZ 85311

For Product Information/Emergency Phone:
623-915-1813

Chemical Name or Synonym:
None

II. Chemical Composition

Component	CAS#	%Composition
White Portland Cement	12168-85-3 10034-77-2 12068-35-8	70-85
Aluminum Silicate	1332-58-7	8-15
Proprietary Component A	Trade Secret	1-7
Proprietary Component B	Trade Secret	1-7
Proprietary Component C	Trade Secret	1-7

III. Hazards Identification

Potential Health Effects:

Acute Eye:

May cause irritation. Prolonged contact with dry cement will cause burning.

Acute Skin:

May cause irritation.

Acute Inhalation:

May cause respiratory irritation.

Acute ingestion:

No adverse effects anticipated under normal use conditions.

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IV. First Aid Measures

First Aid Measures for Accidental:

Eye Exposure:

Immediately flush eyes with copious amounts of water for at least 15 minutes. If irritation develops, SEEK MEDICAL ATTENTION.

Skin Exposure:

Flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention. Wash clothing and thoroughly clean shoes before reuse.

Inhalation:

Move to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. SEEK MEDICAL ATTENTION.

Ingestion:

If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. SEEK MEDICAL ATTENTION.

V. Fire Fighting Measures

Fire Hazard Data:

Autoignition: ND

Flash Point: ND

Flammability Limits (vol/vol%):	Lower:	Upper:
	ND	ND

Extinguishing Media:

Use extinguishing media appropriate for surrounding fire.

Special Fire Fighting Procedures:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards:

None

Hazardous Decomposition Materials (Under Fire Conditions):

None

VI. Accidental Release Measures

Cleanup and Disposal of Spill:

Contain spill and place in waste container. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

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VII. Handling and Storage

Handling/Storage:

Keep in a tightly closed container, stored in a cool, dry, ventilated area.

VIII. Exposure Controls / Personal Protection

Exposure Guidelines:

Component	ACGIH	NIOSH	OSHA-PELs
White Portland Cement	10 mg/m ³	ND	5 mg/m ³ respirable
Aluminum Silicate	2 mg/m ³ , respirable	ND	5 mg/m ³ respirable
Proprietary Component A	ND	ND	.05 mg/m ³ respirable
Proprietary Component B	3 mg/m ³ , respirable	ND	10 mg/m ³
Proprietary Component C	.1 mg m ³ , respirable	ND	.1 mg m ³ , respirable

Engineering Controls:

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS.

Respiratory Protection:

The following chart specifies the types of respirators which may provide respiratory protection for dust containing crystalline silica (quartz).

CONDITION Particulate Concentration	MINIMUM RESPIRATORY PROTECTION* *Use only NIOSH-approved equipment. See 42 CFR §84
5 x PEL or less	Any particulate respirator.
10 x PEL or less	Any particulate respirator, except single-use or quarter-mask respirator. Any fume respirator or high efficiency particulate filter respirator. Any supplied-air respirator. Any self-contained breathing apparatus.
50 x PEL or less	A high efficiency particulate filter respirator with a full facepiece. Any supplied-air respirator with a full facepiece, helmet, or hood. Any self-contained breathing apparatus with a full facepiece.
500 x PEL or less	A powered air-purifying respirator with a high efficiency particulate filter. A Type C supplied-air respirator operated in pressure-demand or other positive pressure or continuous -flow mode.
Greater than 500 x PEL or entry and escape from unknown concentrations.	Self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode. A combination respirator which includes a Type C supplied-air respirator with a full facepiece operated in pressure-demand or other positive pressure continuous-flow mode and an auxiliary self-contained breathing apparatus

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operated in pressure-demand or other positive pressure mode.

Also see ANSI standard Z88.2 (latest revision) *American National Standard for Respiratory Protection*.

Eye / Face Protection:

Use chemical safety goggles and/or a full face shield. Maintain eye wash fountain and quick-drench facilities in work area.

Skin Protection:

Wear appropriate protective clothing and chemical resistant gloves to prevent skin contact. Consult the glove/clothing manufacturer to determine the appropriate type of glove/clothing for a given application. Wash immediately if skin is contaminated. Launder contaminated clothing and clean protective equipment before reuse. Wash thoroughly after handling.

IX. Physical and Chemical Properties

Physical Appearance: Powder

Odor: None

pH: ND

Specific Gravity: ND

Water Solubility: ND

Melting Point: ND

Freezing Point ND

Boiling Point: ND

Vapor Pressure: N/A

Vapor Density: ND

Percent Volatiles by Volume: ND

Evaporation Rate: ND

Viscosity: ND

Density: ND

X. Stability and Reactivity

Chemical Stability:

Stable

Conditions to Avoid:

None

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Materials / Chemicals to Be Avoided:

Contact with acids will produce a violent, exothermic reaction and may evolve toxic gases or vapors, depending upon the acid involved. Oxidizers and chlorinated hydrocarbons are also incompatible with this product.

Hazardous Decomposition Products:

Oxides of carbon

Hazardous Polymerization:

Will not occur.

XI. Toxicological Information

This product contains silica, which is considered a hazard by inhalation. IARC has classified silica as carcinogenic for humans (group 1). Silica is listed by NTP as a known human carcinogen and is also a known cause of silicosis, a non-cancerous lung disease.

XII. Ecological Information

Ecotoxicological Information:

Degradation: Not Determined

Accumulation: Not Determined

Fish-Toxicity: Not Determined

Chemical Fate Information:

Not Determined

XIII. Disposal Considerations

Waste Disposal Method:

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

XIV. Transportation Information

US Department of Transportation Shipping Name:

US Department of Transportation	Proper Shipping Name	Not Regulated
	Hazard Class	Not Regulated
	ID Number	Not Regulated
	Packaging Group	Not Regulated

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XV. Regulatory Information

Federal Regulations:

SARA Title III Hazard Classes:

Fire Hazard:	No
Reactive Hazard:	No
Release of Pressure:	No
Acute Health Hazard:	Yes
Chronic Health Hazard:	Yes

TSCA

All components of this product are on the TSCA inventory or are exempt from TSCA Inventory requirements

Other Regulations:

None

XVI. Other Information

National Paint & Coating Hazardous Materials Identification System – HMIS(R):

Health Hazard:	1
Flammability:	0
Reactivity:	0

Key Legend Information:

N/A – Not Applicable

ND – Not Determined

ACGIH – American Conference of Governmental Industrial Hygienists

OSHA – Occupational Safety and Health Administration

TLV – Threshold Limit Value

PEL – Permissible Exposure Limit

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

NTP – National Toxicology Program

IARC – International Agency for Research on Cancer

The information contained herein is based on the data available to us and is believed to be correct. However Universal White Cement Company, Inc. makes no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.