

Material Safety Data Sheet

May be used to comply with OSHA'S Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As used on Label and List)

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

READY MIXED PLASTIC CONCRETE

Section I

Manufacturer's Name

VCNA UNITED MATERIALS

Emergency Telephone Number

(716) 213-5832

Address (Number, Street, City, State and ZIP code)

3374 Walden Avenue

Telephone Number for Information

(716) 213-5832

Suite 120

Depew, NY 14043

Date Prepared

May 2, 2022

Signature of Preparer (optional)

Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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IDENTITY INFORMATION:

FORMULA – MIXTURES OF PORTLAND OR POZZOLAN CEMENTS, CONCRETE AGGREGATE AND CHEMICAL ADMIXTURES

PORTLAND CEMENTS:

3CaO - SiO₂ (CAS # 12168-85-3)

2CaO – SiO₂ (CAS # 10034-77-2)

3CaO – Al₂O₃ (CAS # 23042-78-3)

4CaO – Al₂O₃ – Fe₂O₃ (CAS # 12068-35-8)

CaSO₄ – 2H₂O (CAS # 7778 – 18 – 9)

Plus traces of CaO, MgO, K₂SO₄, and Na₂SO₄

CONCRETE AGGREGATES: INERT GRAVEL, SAND AND ROCK

CONCRETE ADMIXTURES: ORGANIC AND INORGANIC MATERIALS WHICH HAVE NO EFFECT ON THE HAZARDS ASSOCIATED WITH THE USE OF THIS PRODUCT

11 - 17

75 – 81

0.05 – 0.15

Section III – Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	N/A
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water

SLIGHT (0.01 TO 1%)

Appearance and Odor

GRAY, PLASTIC, FLOWABLE, GRANULAR MUD and ODORLESS

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
N/A	N/A	N/A	N/A

Extinguishing Media

N/A

Special Fire Fighting Procedures

N/A

Unusual Fire and Explosion Hazards

None

Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	HOWEVER, PRODUCT STIFFENS AND HARDENS WITHIN 2 TO 8 HOURS AND IS NO LONGER HAZARDOUS
Incompatibility (Materials to Avoid):		None	
Hazardous Decomposition or Byproducts:		None	
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI – Health Hazard Data

Route(s) of Entry:	Inhalation?	NO	Skin?	YES	Ingestion?	NO
Health Hazards (<i>Acute and Chronic</i>) ACUTE – WET, PLASTIC, UNHARDENED CONCRETE CAN DRY THE SKIN AND CAUSE ALKALI BURNS (CEMENT DERMATITIS)						
CHRONIC – HYPERSENSITIVE INDIVIDUALS MAY DEVELOP AN ALLERGIC DERMATITIS. CEMENT MAY CONTAIN TRACE AMOUNTS OF CHROMIUM.						
Carcinogenicity:	NTP?	NO	IARC Monographs?	NO	OSHA Regulated?	NO
Signs and Symptoms of Exposure: IRRITATION OF SKIN AND BURNING SENSATION PARTICULARLY WHEN EXPOSURE IS IN AN AREA OF SKIN PREVIOUSLY SUBJECTED TO ABRASION OR IRRITATION.						
Medical Conditions Generally Aggravated by Exposure: NONE KNOWN						
Emergency and First Aid Procedures: IRRIGATE EYES WITH WATER. WASH EXPOSED AREAS OF THE BODY WITH SOAP AND WATER.						

Section VII – Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: SPILL DOES NOT INCREASE HAZARD
Waste Disposal Method: MATERIAL CAN BE RETAINED UNTIL IT HARDENS AND THEN CAN BE DISPOSED OF AS COMMON WASTE.
Precautions to be Taken in Handling and Storing: USE BARRIER CREAMS, GLOVES, BOOTS AND CLOTHING TO PROTECT THE SKIN FROM PROLONGED CONTACT WITH PLASTIC CONCRETE. PARTICULARLY AVOID ABRASION OF THE SKIN IN CONTACT WITH UNHARDENED, PLASTIC CONCRETE. PRECAUTIONS MUST BE OBSERVED BECAUSE CEMENT BURNS OCCUR WITH LITTLE WARNING – LITTLE HEAT IS SENSED. EYE PROTECTION IS NOT GENERALLY REQUIRED EXCEPT WHEN PLACING METHODS CAUSE SPLASH, THEN TIGHT-FITTING GOGGLES SHOULD BE USED.
Other Precautions: NONE

Section VIII – Control Measures

Respiratory Protection (Specify Type) NOT REQUIRED		
Ventilation N/A	Local Exhaust	Special
	Mechanical (General)	Other
Protective Gloves SEE SECTION VII	Other Protection SEE SECTION VII	
Other Protective Clothing or Equipment SEE SECTION VII		
Work/Hygienic Practices SEE SECTION VII		