



شركة أبولو لكيماويات الأبنية

Apollo For Construction Chemicals

MATREIAL SAFETY DATA SHEET (NASA PROOF R310)

01-PROUDUCT AND COMPANY IDENTIFICATION

Product Name: NASA Proof R310.
Chemical Family: Cementitious one component waterproof coating.
Manufacturer: **Apollo For Construction Chemicals**
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Date Prepared: 01.07.2023
MSDS Number: Nasa/03/45/102

2- COMPOSITION /INFORMATION ON INGREDIENTS

Composition : cements, silica sands, polymer.

Hazardous Ingredient(s):	Symbol	Risk Phrases	CAS No.	%
Xylene:	XI	R36/37/38	65997-15-1	20-50

Refer to Section 8 for Occupational Exposure Limits.

3-HAZARD INFORMATION

Hazard information: Irritating to eyes, skin and respiratory system.
May cause long-term adverse effects in the aquatic environment.

Classification: Xi. R36/38 ,53.



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4-FIRST AID MEASURES

Eyes:	Irrigate immediately with copious quantities of water for 15 minutes, lifting the upper and lower eyelids intermittently to remove all particles. Obtain medical attention if irritation persists.
Skin:	Wash thoroughly with soap and water or suitable skin cleanser as soon as possible. Obtain medical advice if skin disorder develops.
Inhalation:	Remove from exposure, if breathing is difficult, administer oxygen. If 00 not breathing, give artificial respiration. Obtain medical attention if needed.
Ingestion:	Rinse mouth with water. Dilute by giving 1 or 2 glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. See a medical doctor immediately.

5-FIRE FIGHTING MEASURES

Flash point:	None.
Lower explosive limit:	None.
Extinguishing media:	Water, water fog, carbon dioxide (CO ₂), dry chemical.
Personal Protective Equipment:	Wear full protective clothing and self-contained breathing apparatus.



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6- ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear rubber boots in addition to the recommended protective clothing.
Environmental Precautions:	Prevent large quantities of this product from contacting vegetation or waterways; large spills could kill vegetation and fish.
Decontamination Procedures:	This product, if spilled, can be recovered and re-used if contamination does not present a problem. Vacuum or sweep up the material. If the spilled product is unusable due to contamination, consult state or federal environmental agencies for acceptable disposal procedures and locations.

7- HANDLING AND STORAGE

Handling:	Avoid skin and eye contact. Avoid breathing dust. Avoid dust formation.
Storage:	Store in a cool dry area, away from acids.

8-EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingestion:	Prevent eating, drinking or smoking in the area of product use.
Eye Contact:	Safety glasses or chemical goggles.
Skin Contact:	Impervious gloves (e.g. PVC).
Inhalation:	When mist occurs during spraying operations, wear suitable respiratory protective equipment.
Respiratory Protection:	In case of insufficient ventilation, wear suitable equipment.
Engineering Controls:	No specific ventilation requirement noted.
Exposure Guidelines:	None assigned.



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Name	OSHA PEL (8-Hour TWA)	ACGIH TLV-TWA
Cement – Portland	5 mg respirable dust/m ³ 15 mg total dust/m ³	10 mg total dust/m ³

9-PHYSICAL AND CHEMICAL PROPERTIES

Form:	Solid.
Color:	Grey.
Odour:	None
Flash Point (closed cup) (°C):	Not applicable
Boiling Point (°C):	Not applicable
Explosive Properties (%):	Not applicable
Freezing Point (°C):	Not applicable
Relative Density (@25°C):	1.80 – 1.90
Water Solubility:	Soluble

10- STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to Avoid:	Humidity.
Chemical incompatibility:	Aluminium powder, acids, fluorine, molten lithium, ammonium salts.
Hazardous Decomposition Products:	Heated to decomposition, it emits fumes of sodium oxide.



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11-TOXICOLOGICAL INFORMATION

Health Effects

On Eyes:	Irritating and may injure eye tissue if not removed promptly.
On Skin:	Irritation. May cause sensitization.
By Inhalation:	Irritant.
By Ingestion:	May cause irritation of mouth, throat and digestive tract.
Chronic:	Repeated and prolonged skin contact may lead to skin disorders.

12- ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed off as intended, no adverse environmental effects are foreseen.
Mobility:	Mobile liquid.
Degradability:	Not readily biodegradable.
Bioaccumulation:	Not expected to be bioaccumulate.
Acute Fish Toxicity:	Expected to be ecotoxic to daphnia magna and bluegill sunfish.



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13- DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

- Unused Product:** Dispose off through an authorized waste contractor to a licensed site.
- Used/ Contaminated Product:** As for unused product.
- Packaging:** May be steam cleaned and recycled.

14- TRANSPORT INFORMATION

This product is NOT classified as dangerous for transport.

15- REGULATORY INFORMATION

Hazard Label Data:

Xi



Irritant

- | | | |
|------------------------|-----------|---|
| Risk Phrases: | R36/37/38 | Irritating to eyes, skin and respiratory system. |
| Safety Phrases: | S22 | Do not breathe dust. |
| | S24/25 | Avoid contact with skin and eyes. |
| | S26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| | S36/37/39 | Wear suitable protective clothing, gloves and eye/face Protection. |



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16- OTHER INFORMATION

Issue Date: 20/07/2023

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