



شركة أبولو لكيمائيات الأبنية

Apollo For Construction Chemicals

MATREIAL SAFETY DATA SHEET (NASA Epoxy Hp 200)

01-PROUDUCT AND COMPANY IDENTIFICATION

Product Name: Nasa Epoxy HP200"hardener".
Chemical Family: Hardener component of high build epoxy coating system.
Manufacturer: **Apollo For Construction Chemicals**
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Date Prepared: 01.07.2023
MSDS Number: Nasa/05/10/96

2- COMPOSITION /INFORMATION ON INGREDIENTS

Composition: Epoxy curingagent.

Hazardous ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Epoxy curing agent	C, Xn	R21/22, 34, 43, 52/53	9046-10-0	25-50
Nonylphenol	C, Xn, N	R22, 34, 62, 50/53, 63	25154-52-3	10-25
2-piperazin-1-ylethyamine	C, Xn	R21/22, 34, 43, 52/53	140-31-8	10-25

Refer to Section 8 for Occupational Exposure Limits.

3-HAZARD INFORMATION

Hazard information: Harmful in contact with skin and
If swallowed. Causes burns.
May cause sensitization by skin
contact. Very toxic to aquatic
organisms.
Harmful to aquatic organism, may cause long-term effects in the
aquatic Environment.
Risk of impaired fertility, possible risk of harm to the unborn child.

Classification: C, R21/22, 34, 43, 50, 52/53, 62/63



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4-FIRST AID MEASURES

Eyes:	Irrigate opened eyes immediately with copious quantities of water for 15 minutes. Obtain medical attention immediately.
Skin:	Wash immediately with soap and water or suitable skin cleanser. Remove contaminated clothes and shoes. Obtain medical advice if irritation persists.
Inhalation:	Remove from exposure, obtain medical attention if respiratory irritation develops or if breathing becomes difficult.
Ingestion:	Drink plenty of water. Do not induce vomiting. Obtain medical attention. Beware of aspiration if vomiting occurs.

5-FIRE FIGHTING MEASURES

Flash point (Closed Cup):	>100°C.
Extinguishing media:	Carbon dioxide, powder, foam or water.
Personal protective equipment:	Self-contained breathing apparatus. Standard aluminized suit.
Special Exposure hazards:	Unknown.

6- ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear suitable protective clothing, gloves and eye/face protection.
Environmental Precautions:	Prevent entry into drains, sewers and watercourses.
Decontamination Procedures:	Soak up with inert absorbent like sand. Gather in to labeled containers. Dispose of as applicable regulations.

7- HANDLING AND STORAGE

Handling:	Maintain good standards of personal hygiene. Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation.
Storage:	Keep container tightly closed in a cool dry area. Keep away from food containers.



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8-EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye protection:	Tightly sealed safety glasses/goggles.
Skin protection:	Impervious gloves (e.g. PVC). Suitable protective clothing.
Respiratory protection:	Breathing filters apparatus.
Hygiene measures:	Change contaminated clothing and clean before re-use.
Engineering controls:	Use only in well-ventilated area. Local exhaust ventilation is recommended.
Exposure guidelines:	None assigned.

9-PHYSICAL AND CHEMICAL PROPERTIES

Form:	Powder.
Color:	White or grey.
Odor:	Odorless.
PH(concentrate):	Not applicable.
Boiling Point(°C):	Not applicable.
Flash Point (closed cup)(°C):	None.
Auto flammability (°C):	Not determined.
Water Solubility:	Can be mixed with water.

10- STABILITY AND REACTIVITY

Stability:	Stable if used as directed.
Conditions to Avoid:	Temperature below 5°C.
Chemical in compatibility:	Strong oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition yield oxides of Carbon, Nitrogen compounds.

11-TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components. Classified as skin sensitizer.

Health Effects

On Eyes:	Strong caustic effect.
On Skin:	Caustic effect on skin and mucous membranes.
By Inhalation:	Harmful by inhalation. May cause respiratory irritation.
By Ingestion:	Harmful if swallowed.
Chronic:	Repeated and prolonged skin contact will result in severe irritation leading to burns.



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12- ECOLOGICAL INFORMATION

Environmental Assessment: When used and disposed as intended, no adverse environmental effects are foreseen.

Mobility: Mobile liquid. Insoluble in water.

Degradability: Not readily biodegradable.

Bioaccumulation: Not Known.

Acute fish toxicity: Eco toxic to fish/ daphnia/algae.

13- DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product: Classified as aspecial waste .May be reacted with base component to give an inert polymeric material.

Used/Contaminated Product: As for unused product.

Packaging: Must be disposed of through an authorized waste contractor.

14- TRANSPORT INFORMATION



UN Number: 1760

Transport Name: Corrosive liquids,n.o.s.

Transport Type:		Class:	Pack Group:	Marine Pollutant
At Sea	IMO	8	II	Yes
Air Transport	IATA/ICAO	8	II	
At land	RID/ADR	8	II	



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15- REGULATORY INFORMATION

Hazard Label Data:



Corrosive



Dangerous for
the environment

Named Ingredients:

Polyoxypropylenia

min Nonylphenol

UN Number:

1760

Risk Phrases:

R21/22 Harmful in contact with skin and if swallowed.

R34 Causes burns.

R43 May cause sensitization by skin contact.

R50 Very toxic to aquatic organisms.

R51/53 Toxic to aquatic organisms, may cause long-term adverse in the aquatic environment.

R62 Risk of impaired fertility, possible risk of harm to the unborn child.

Safety

Phrases:

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.

S37/39 Wear suitable gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possibl



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16- OTHER INFORMATION

Issue Date: 20/07/2023

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