



# شركة أبولو لكيماويات الأبنية

## Apollo For Construction Chemicals

### MATREIAL SAFETY DATA SHEET (NASA Epoxy Hp200)

#### 01-PROUDUCT AND COMPANY IDENTIFICATION

**Product Name:** Nasa Epoxy HP200"Base".  
**Chemical Family:** Base 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 resin, epoxy diluent.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Epoxy resin (Number average molecular weight <700)	Xi, N	R36/38, 43, 51/53	25068-38-6	50

**Refer to Section 8 for Occupational Exposure Limits.**



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#### 3-HAZARD INFORMATION

<b>Hazard information:</b>	Irritating to eyes and skin. May cause sensitization by skin contact. Toxic to aquatic organism, may cause long-term effects in the aquatic Environment.
<b>Classification:</b>	Xi, N. R36/38, 43, 51/53

#### 4-FIRST AID MEASURES

<b>Eyes:</b>	Irrigate immediately with copious quantities of water for 15 minutes. Obtain medical attention urgently.
<b>Skin:</b>	Wash immediately with soap and water or suitable skin cleanser. Remove contaminated clothes and shoes. Obtain medical advice if skin disorders develop.
<b>Inhalation:</b>	Remove from exposure, obtain medical attention if respiratory irritation develops or if breathing becomes difficult.
<b>Ingestion:</b>	Rinse mouth thoroughly. Drink plenty of water. Do not induce vomiting. Obtain medical attention. Beware of aspiration if vomiting occurs.

#### 5-FIRE FIGHTING MEASURES

<b>Flash point (Closed Cup) :</b>	>200°C.
<b>Extinguishing media:</b>	Carbon dioxide, powder, foam or water.
<b>Personal protective equipment:</b>	Self-contained breathing apparatus.
<b>Special Exposure hazards:</b>	Toxic fumes. Carbon Oxides.

#### 6- ACCIDENTAL RELEASE MEASURES



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<b>Personal Precautions:</b>	Wear suitable protective clothing, gloves and eye/face protection.
<b>Environmental Precautions:</b>	Prevent entry into drains, sewers and water courses.
<b>Decontamination Procedures:</b>	Soak up with inert absorbent such as sand. Gather into labeled containers. Dispose of as applicable regulations.

### 7- HANDLING AND STORAGE

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

### 8-EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Eye protection:</b>	Safety glasses/goggles.
<b>Skin protection:</b>	Impervious gloves (e.g. PVC). Suitable protective clothing.
<b>Respiratory protection:</b>	Organic chemical cartridge respirator, if needed.
<b>Hygiene measures:</b>	Change contaminated clothing and clean before re-use.
<b>Engineering controls:</b>	No specific ventilation requirements noted.
<b>Exposure guidelines:</b>	None assigned.

### 9-PHYSICAL AND CHEMICAL PROPERTIES

<b>Color:</b>	White/Blue/Grey
<b>Odour:</b>	Mild.
<b>PH (concentrate):</b>	Not applicable.



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Boiling Point (°C):	>200
Flash Point (closed cup) (°C):	>200
Auto flammability (°C):	Not determined.
Explosive Properties (%):	Not Known.
Vapor Pressure (KPa @20°C):	0.1
Relative Density (@25°C):	1.75
Water Solubility:	Insoluble.

#### 10- STABILITY AND REACTIVITY

Stability:	Stable: reacts with compounds containing amino, hydroxyl or carboxyl groups to give stable, cross linked materials.
Conditions to Avoid:	None Known.
Chemical incompatibility:	Strong acids. Strong alkalis. Strong oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition yield oxides of carbon, toxic fumes.

#### 11-TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components. Acute Oral effect (LD50)>5000mg/kg.

Classified as moderate sensitizer.

##### Health Effects

On Eyes:	Slight irritation (rabbit).
On Skin:	Moderate irritation (rabbit).
By Inhalation:	May cause respiratory irritation.
By Ingestion:	May cause irritation of mouth, throat and digestive tract.
Chronic:	Repeated and prolonged skin contact may lead to skin disorders.



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### 12- ECOLOGICAL INFORMATION

<b>Environmental Assessment:</b>	When used and disposed as intended, no adverse environmental effects are foreseen.
<b>Mobility:</b>	Viscous liquid. Insoluble in water.
<b>Degradability:</b>	Not readily biodegradable.
<b>Bioaccumulation:</b>	Not expected to be bio accumulate.
<b>Acute fish toxicity:</b>	Eco toxic to fish/ daphnia/ algae.

### 13- DISPOSAL CONSIDERATION

**Disposal must be in accordance with local and national legislation.**

<b>Unused Product:</b>	Dispose of through an authorized waste contractor to a licensed site.
<b>Used/ Contaminated Product:</b>	As for unused product.
<b>Packaging:</b>	Must be disposed of through an authorized waste contractor.



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## MATREIAL SAFETY DATA SHEET (NASA Epoxy Hp200)

### 14- TRANSPORT INFORMATION

Hazard Label Data:



**UN Number:**

3082

**Transport Name:**

Environmentally hazardous substance, liquid N.O.S (Epoxy Resin).

Transport Type:		Class:	Pack Group:	Marine Pollutant
At Sea	IMO	9	III	No
Air Transport	IATA/ICAO	9	III	
At land	RID/ADR	9	III	



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### 15- REGULATORY INFORMATION

#### Hazard Label Data:



Xi



N

#### Named Ingredients:

Epoxy resin (Number average molecular weight <700)

#### UN Number:

- |            |   |
|------------|---|
| 3082R36/38 | Irritating to eyes and skin.  |
| R43        | May cause sensitization by skin contact.  |
| R51/53     | Toxic to aquatic organisms, may cause long-term adverse in the aquatic environment.           |
| 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  |

### 16- OTHER INFORMATION

#### Issue Date:

20/07/2023

#### Disclaimer:

The information contained herein is derived from the best available sources and is believed to be accurate. However, no guarantee is expressed or implied regarding the accuracy of the data given in the use of this product.