



# شركة أبولو لكيمائيات الأبنية

## Apollo For Construction Chemicals

### MATERIAL SAFETY DATA SHEET (APOLLO FLO-GROUT EG100)

#### 01-PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Apollo Flo-Grout EG100"hardener".  
**Chemical Family:** Hardener component of epoxy grout 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 curing agent.

Hazardous ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Epoxy curing agent	C, Xn	R 22,34	9046-10-0	25-65
Nonylphenol	C, Xn, N	R22, 34, 62, 50/53, 63	25154-52-3	10-55
2-piperazin-1-ylethyamine	C, Xn	R21/22, 34, 43, 52/53	140-31-8	10-35

Refer to Section 8 for Occupational Exposure Limits.

#### 3-HAZARD INFORMATION

**Hazard information:** Corrosive.  
Harmful if swallowed.  
Causes burns.  
Irritating to eyes and skin.  
May cause sensitisation by skin contact.  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Possible risk of impaired fertility.  
Possible risk of harm to the unborn child.

**Classification:** C, R22, 34,36/38, 43, 51/53, 62/63



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#### 4-FIRST AID MEASURES

<b>Eyes:</b>	Irrigate opened eyes immediately with copious quantities of water for 15 minutes. Obtain medical attention immediately.
<b>Skin:</b>	Wash immediately with soap and water or suitable skin cleanser. Remove contaminated clothes and shoes. Obtain medical advice if irritation persists.
<b>Inhalation:</b>	Remove from exposure, obtain medical attention if respiratory irritation develops or if breathing becomes difficult.
<b>Ingestion:</b>	Drink plenty of water. Do not induce vomiting. Obtain medical attention. Beware of aspiration if vomiting occurs.
<b>General:</b>	Symptoms of poisoning may even occur after several hours; therefore Accident medical observation for at least 48 hours after

#### 5-FIRE FIGHTING MEASURES

<b>Flash point (Closed Cup):</b>	>100°C.
<b>Extinguishing media:</b>	CO <sub>2</sub> , extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. For safety reasons do not use Water with a full water jet.
<b>Personal protective equipment:</b>	Self-contained breathing apparatus. Standard aluminized suit.
<b>Special Exposure hazards:</b>	Toxic fumes. Carbon monoxide (CO), Nitrogen oxides (NO <sub>x</sub> ).

#### 6- ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Ensure adequate ventilation immediately issue NO SMOKING and NO NAKED FLAMES warnings. 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 within ertabsorbent like sand. Gather in to labeled containers. Dispose of as applicable regulations.



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#### 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 away from sources of heat and out of direct sunlight to avoid pressure build up. Store in conformity with local fire regulations. Store away from sources of ignition. Keep away from food containers. Store at 15 - 25°C.

#### 8-EXPOSURE CONTROLS AND PERSONAL PROTECTION

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

#### 9-PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Liquid.
<b>Color:</b>	yellowish.
<b>Odor:</b>	Amin-like.
<b>Boiling Point(°C):</b>	>200.
<b>Flash Point (closed cup)(°C):</b>	>100.
<b>Auto flammability (°C):</b>	Not determined.
<b>Water Solubility:</b>	Not miscible or difficult to mix.
<b>Autoflammability (°C):</b>	Product is not selfigniting
<b>Explosive Properties (%):</b>	Product is not explosive
<b>Relative Density (@25°C):</b>	0.99 ± 0.01



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#### 10- STABILITY AND REACTIVITY

<b>Stability:</b>	Contains volatile solvent. Stable if used as directed.
<b>Conditions to Avoid:</b>	Any source of ignition. Temperature above 35°C.
<b>Chemical in compatibility:</b>	Strong acids. Strong alkalis. Strong oxidizing agents..
<b>Hazardous Decomposition Products:</b>	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

<b>On Eyes:</b>	Strong caustic effect.
<b>On Skin:</b>	Corrosive - causes burns. May cause sensitization..
<b>By Inhalation:</b>	Harmful by inhalation. May cause respiratory irritation.
<b>By Ingestion:</b>	Harmful if swallowed. May cause irritation of mouth, throat and digestive tract. Ingestion of significant amounts may result in severe systemic effects.
<b>Chronic:</b>	Repeated and prolonged skin contact will result in severe irritation leading to burns.

#### 12- ECOLOGICAL INFORMATION

<b>Environmental Assessment:</b>	When used and disposed as intended, no adverse environmental effects are foreseen.
<b>Mobility:</b>	Mobile liquid. Insoluble in water.
<b>Degradability:</b>	Not readily biodegradable.
<b>Bioaccumulation:</b>	Not Known.
<b>Acute fish toxicity:</b>	Expected to be ecotoxic to fish/ daphnia/ algae.

#### 13- DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

<b>Unused Product:</b>	Classified as a special waste. May be reacted with base component to give an inert polymeric material.
<b>Used/Contaminated Product:</b>	Classified as a special waste. Dispose off through an authorized waste contractor to a licensed site.
<b>Packaging:</b>	Must be disposed of through an authorized waste contractor.



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#### 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	

#### 15- REGULATORY INFORMATION

Hazard Label Data:



Corrosive



Dangerous for the environment

Named Ingredients: Polyoxypropylenia  
 min Nonylphenol

UN Number: 1760



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#### 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.
R63	Possible risk of harm to the unborn child.

#### Safety

#### Phrases:

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28	After contact with skin, wash immediately with plenty of water.
S36/37/39	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 possible)
S60	This material and its container must be disposed of as hazardous waste.



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### 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.