



# شركة أبولو لكيمائيات الأبنية

## Apollo For Construction Chemicals

### MATREIAL SAFETY DATA SHEET (Apollo Nano Proof)

#### 1-PROUDUCT AND COMPANY IDENTIFICATION

**Product Name:** Apollo Nano Proof.  
**Chemical Family:** *Waterproofing with nano technology* for concrete and stone  
**Manufacturer:** **Apollo For Construction Chemicals**  
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**Date Prepared:** 01.07.2023  
**MSDS Number:** Nasa/01/06/256

#### 2- COMPOSITION /INFORMATION ON INGREDIENTS

**Composition :** Water, modifying agent, microbiocides.

Hazardous Ingredient(s):	Symbol	Risk Phrases	CAS No.	%
Water:	-	-	7732-18-5	70-95
Triethoxy(2,4,4-trimethylpentyl)	silane	R10, R52/53	35435-21-3	1-10

Refer to Section 8 for Occupational Exposure Limits.

#### 3-HAZARD INFORMATION

**Hazard information:** Harmful to aquatic organisms, may cause long-term adverse effects inthe aquatic environment.  
**Classification:** R52/53.

#### 4-FIRST AID MEASURES

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Apply a sterile protective bandage. Get medical attention immediately.

**Skin:** Remove contaminated clothing and shoes. Immediately flush skin with plenty of water and soap for at least 15 minutes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion:** Do not induce vomiting. Call for medical help. Administer activated charcoal (3 table spoons elutriated in glass of water). Rinse out mouth and then drink plenty of water.



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#### 5-FIRE FIGHTING MEASURES

<b>Flash point (Closed Cup):</b>	NA.
<b>Extinguishing media:</b>	Water spray jet, extinguishing powder, CO <sub>2</sub> , foam.
<b>Protective equipment:</b>	Self-contained breathing apparatus.
<b>Special Exposure hazards:</b>	Toxic incineration products may be released such as: Nitrogen oxides (NO <sub>x</sub> ), Carbon monoxide (CO) and Nitrous gases.

#### 6- ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Wear personal protection equipment (see section 8). Avoid contact with eyes and skin. Do not inhale Gases/vapours/aerosols. If material is released indicate risk of slipping.
<b>Environmental Precautions:</b>	Prevent from spreading (e. g. by dusting a ring of chemical binder). As the product is hazardous for aquatic environment, it must be prevented from reaching surface water. Contain any fluid that runs out using suitable material. Inform authorities in case of contamination of water or sewage system.
<b>Decontamination Procedures:</b>	Soak up with inert absorbent (sand, diatomite, acid binders, universalbinders, sawdust). Fill into labelled, sealable containers. Dispose of contaminated material as waste according to item 13. Polluted surfaces can be decontaminated with a solution containing 5% sodium bisulphite and 5% sodium bicarbonate.

#### 7- HANDLING AND STORAGE

<b>Handling:</b>	Maintain good standards of personal hygiene. Avoid skin and eye. contact Avoid splashes or spray. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Storage:</b>	Store only in the original container. Store away from foodstuffs. Keep container tightly closed. Protect against sun and frost.



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#### 8-EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Eye protection:</b>	Closely fitted goggles.
<b>Skin protection:</b>	Wear appropriate gloves "Impervious gloves e.g.: PVC" and suitable protective clothing to prevent skin exposure.
<b>Respiratory protection:</b>	Breathing equipment when exceeding the air limiting value. Filter A/P2. Or combination filter, e.g. DIN 3181 ABEK, if product forms vapours.
<b>Hygiene measures:</b>	Wash hands during breaks and at the end of the shift. Do not drink, eat or smoke at work. Keep away from food and drink stuff. Change contaminated clothing and clean before re-use.
<b>Engineering controls:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only in well ventilated areas.
<b>Exposure guidelines:</b>	

CAS No.	Material	Type	mg/c m <sup>3</sup>	ppm
64-17-5	Ethanol	TLV_GB	1920	1000
67-56-1	Methanol	TLV_GB	266	200
50-00-0	Formaldehyde	MEL_GB	2.5	2

#### 9-PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Liquid.
<b>Color:</b>	Whitish.
<b>Odour:</b>	Slight odour.
<b>PH (concentrate):</b>	Not applicable.
<b>Flash Point (Closed up)( °C):</b>	NA.
<b>Boiling Point (°C):</b>	NA.
<b>Autoflammabilty(°C):</b>	NA.
<b>Explosive Properties (%):</b>	Not Known.
<b>Relative Density (@25°C):</b>	0.99–1.02.
<b>Water Solubility:</b>	Soluble.



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#### 10- STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under ordinary conditions of use and storage.
<b>Conditions to Avoid:</b>	Any source of ignition. And temperatures above 90°C.
<b>Chemical incompatibility:</b>	Nucleophils, Reduction agents, Strong oxidising agents, Alkalis.
<b>Hazardous Decomposition Products:</b>	Formation of carbon oxides, formaldehyde, Hydrogen chloride, sulphur dioxide, nitrogen oxides and other toxic gases in the event of fire or during thermal decomposition. Reaction may cause formation of ethanol and methanol.

#### 11-TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components. Acute Oral effect (LD50) rat: 2733 mg/kg. (Formaldehyde)

##### Health Effects

<b>On Eyes:</b>	Irritant. Caustic effect.
<b>On Skin:</b>	Caustic effect on skin and mucous membranes.
<b>By Inhalation:</b>	May cause respiratory irritation.
<b>By Ingestion:</b>	May cause irritation of mouth, throat and digestive tract.
<b>Chronic:</b>	NA.

#### 12- ECOLOGICAL INFORMATION

<b>Environmental Assessment:</b>	Do not empty into drains.
<b>Mobility:</b>	Dissolves in water.
<b>Degradability:</b>	NA.
<b>Bioaccumulation:</b>	NA.
<b>Acute fish toxicity:</b>	Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Acute toxic to bacteria, fish, alga and daphnia.

#### 13- DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

<b>Unused Product:</b>	Dispose off through an authorized waste contractor to a licensed site.
<b>Used/ Contaminated Product:</b>	As for unused product.
<b>Packaging:</b>	Empty containers must be decontaminated before returning for recycling.

## 14- TRANSPORT INFORMATION

Not regulated.

## 15- REGULATORY INFORMATION

**Named Ingredients:** Alkylalkoxysilane and -siloxane, emulsion in water

**Risk Phrases:**

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety Phrases:**

S24/25 Avoid any inhalation, contact with skin and eyes.  
Wear suitable protective clothing and gloves.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S35 This material and its container must be disposed of in a safe way.

S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

S51 Use only in well-ventilated areas.

S61 Avoid release to the environment.

## 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.