

### Section 1: Product identification

Product name: Nanoseal Pro

Product description: water-based sealer

Product usage: Natural stone sealer for protection

### Supplier Details:

Name/Address: Advamix LLC,

Corner No. 1, Plot 0865, Al Jurf Industrial Zone 2, Ajman, UAE.

Tel: +971 562041334, +971 561074277

Email: [info@advamix.com](mailto:info@advamix.com)

Website: [Advamix.com](http://Advamix.com)

Emergency Telephone: +971 562041334

### Section 2: Hazard material identification

2.1. Classification of the chemical in accordance with paragraph (D) of 29 CFR 1910.1200 (OSHA HAZCOM2012).

Eye Irritation Category 2A

Skin Irritation Category 2

2.2 Label Elements according to OSHA HAZCOM 2012:

2.2.1. Single word: Warning!

2.2.2. Hazard statements

Causes serious eye irritation

Causes skin irritation

2.2.3. Hazard pictograms

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### 2.2.4. Precautionary statements:

- |               |   |
|---------------|---|
| 1- Prevention | Wash hands thoroughly after handling. Do not breathe vapors/spray/mist. Do not eat, drink or smoke while using this product. Use only outdoors or in a well-ventilated area. Wear impervious gloves/protective clothing/eye protection.   |
| 2- Response   | If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.<br>If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. |
| 3- Storage    | Store in a well-ventilated place. Keep container tightly closed.  |
| 4- Disposal   | Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations.  |

### 2.3. Additional information

2.3.1. HNOC – HAZARDS NOT OTHERWISE CLASSIFIED: Not Applicable

2.3.2. UNKNOWN ACUTE TOXICITY: < 1% of the mixture consists of ingredient(s) of unknown acute toxicity.

## Section 3: Composition / information of ingredients

### 3.1. Mixtures

Chemical Name	CAS Number	Weight %
Potassium methylsilanetriolate	31795-24-1	1 – 10%
Silicon Nanoparticles	7631-86-9	1-5 %
Water	7732-18-5	85-98 %

### Section 4: First-Aid Measures

#### 4.1 DESCRIPTION OF THE FIRST-AID MEASURES

ROUTES OF EXPOSURE	DESCRIPTION
Eye Contact:	In case of contact, immediately flush eyes with plenty of water for several minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
Skin Contact:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
Inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

#### 4.2 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

ROUTES OF EXPOSURE	DESCRIPTION
Eye Contact:	Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Skin Contact:	Causes skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis.
Inhalation:	May cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

#### 4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Note to Physicians: Symptoms may not appear immediately.

Specific Treatments: In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

### Section 5: Fire-Fighting Measures

#### 5.1 FLAMMABILITY

Flammability: Not Flammable/Not Combustible by WHMIS/OSHA HAZCOM2012 Criteria

#### 5.2 Extinguishing Media

5.2.1. Suitable Extinguishing Media: Treat for surrounding material.

5.2.2. Unsuitable Extinguishing Media: Not available.

#### 5.3. SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

5.3.1. Products of Combustion: May include, and are not limited to: oxides of carbon

#### 5.3. 2. Explosion Data

i. Sensitivity to Mechanical Impact: Not Available

ii. Sensitivity to Static Discharge: Not Available

#### 5.4. SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

Keep upwind of fire. Wear full firefighting turn-out gear (full bunker gear) and respiratory protection (SCBA).

### Section 6: Accidental Release Measures

#### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Methods for Containment: Recover all usable material. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Cleaning-Up: Dispose of unwanted material properly in accordance with all local, regional, national and international regulations

### Section 7: Handling & Storage

#### 7.1 Precautions for safe handling

**Handling:**

Use in well-ventilated areas. Wear impervious gloves and eye protection. Do not mix with other chemical products, except as indicated by the manufacturers. Do not get in eyes. Do not get on skin or clothing. Do not breathe fumes. Do not take internally. Good housekeeping is important to prevent accumulation of dust.

**General Hygiene Advice:**

Use good industrial hygiene practices and wear recommended personal protection. Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

#### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Storage:**

Keep out of the reach of children. Keep container tightly closed. Store at room temperature and keep containers closed when not in use.

### Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. CONTROL PARAMETER Exposure Guidelines

**Occupational Exposure Limits**

Chemical Name	OSHA-PEL	ACGIH-TLV
Potassium methylsilanetriolate	Not Available	Not Available

#### 8.2. EXPOSURE CONTROLS

**Engineering Controls:**

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

#### 8.3. INDIVIDUAL PROTECTION MEASURES

##### 8.3.1. Personal Protective Equipment:

- i. Eye/Face Protection: Wear approved eye protection [properly fitted dust- or splash-proof chemical safety goggles/face (face shield)].

**ii. Skin Protection:**

1. Hand Protection: Wear impervious gloves, such as nitrile.

2. Body Protection: Wear suitable protective clothing

iii. Respiratory Protection: A NIOSH approved respirator or filtering face piece, such as N95, is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

iv. General Health and Safety Measures: Handle according to established industrial hygiene and safety practices.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance (physical state, color, etc.):	Clear Liquid
Odor:	Characteristic
pH:	10.5 – 11.5
Melting point/Freezing point:	Not Available
Initial boiling point and boiling range:	>212°F(>100°C)
Flash point:	>200°F(>93.3°C)
Evaporation rate (Water =1):	Not Available
Flammability:	Not Flammable/Not Combustible
Relative Density:	0.98 – 1.02 g/mL
Solubility in Water:	Miscible
VOC Content:	<1 g/L

**Section 10: STABILITY AND REACTIVITY****10.1. REACTIVITY**

No dangerous reaction known under conditions of normal use.

**10.2. CHEMICAL STABILITY**

Stable under normal storage conditions. Keep dry in storage.

**10.3. POSSIBILITY OF HAZARDOUS REACTION**

No dangerous reaction known under conditions of normal use.

### 10.4. CONDITIONS TO AVOID

Heat. Incompatible materials.

### 10.5. INCOMPATIBLE MATERIALS

Strong acids. Strong Oxidizers.

### 10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Upon decomposition, this product may yield oxides of carbon.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. LIKELY ROUTES OF EXPOSURE:

Skin contact, eye contact, inhalation, and ingestion.

### 11.2. SYMPTOMS RELATED TO PHYSICAL/CHEMICAL/TOXICOLOGICAL CHARACTERISTICS:

Eye Contact:	Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Skin Contact:	Causes skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis.
Inhalation:	May cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

### Section 12: ECOLOGICAL INFORMATION

#### 12.1. ECOTOXICITY

May cause long-term adverse effects to the aquatic environment. Keep from entry into sewers and waterways.

#### 12.2. PERSISTENCE AND DEGRADABILITY

Not Available

#### 12.3. BIOACCUMULATIVE POTENTIAL

Not Available

#### 12.4. MOBILITY IN SOIL

Not Available

#### 12.5. OTHER ADVERSE EFFECTS

Not Available

### Section 13: DISPOSAL CONSIDERATIONS

#### 13.1. DISPOSAL METHOD

Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations

#### 13.2. OTHER DISPOSAL CONSIDERATIONS

Not Available



### Section 14: TRANSPORT INFORMATION

<b>DOT (U.S.)</b>	<b>TDG (CANADA)</b>	<b>IATA</b>
<b>UN NUMBER:</b>	<b>UN NUMBER:</b>	<b>UN NUMBER:</b>
Not Regulated	Not Regulated	Not Regulated
<b>UN PROPER SHIPPING NAME:</b>	<b>UN PROPER SHIPPING NAME:</b>	<b>UN PROPER SHIPPING NAME:</b>
Not Regulated	Not Regulated	Not Regulated
<b>TRANSPORT HAZARD CLASS (ES):</b>	<b>TRANSPORT HAZARD CLASS (ES):</b>	<b>TRANSPORT HAZARD CLASS (ES):</b>
Not Regulated	Not Regulated	Not Regulated
<b>PACKING GROUP (if applicable):</b>	<b>PACKING GROUP (if applicable):</b>	<b>PACKING GROUP (if applicable):</b>
Not Regulated	Not Regulated	Not Regulated

SUMMARY: Product is NOT hazardous according to RID/ADR, GGVS/GGVE, ADN, IMDG, ICAO-TI/IATA DGR

#### 14.1. ENVIRONMENTAL HAZARDS

Not Available

#### 14.2. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Not Available

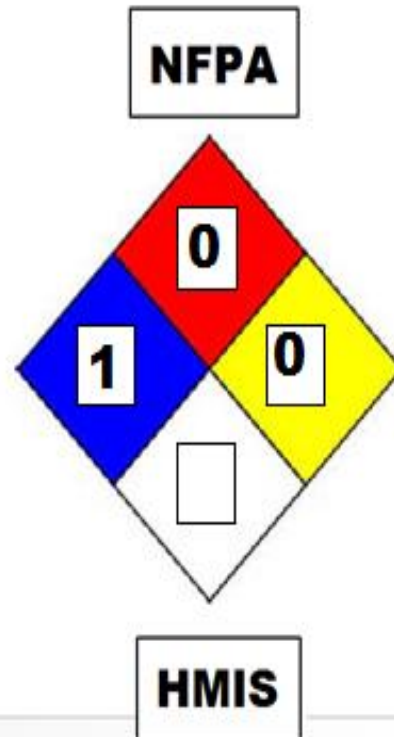
#### 14.3. SPECIAL PRECAUTIONS FOR USER

Do not handle until all safety precautions have been read and understood


### Section 15: REGULATORY INFORMATION

#### NFPA AND HMIS RATINGS:

<p><b>HEALTH HAZARD</b></p> <p><b>4</b> <b>EXTREME</b> - Highly toxic - May be fatal on short-term exposure.</p> <p><b>3</b> <b>SERIOUS</b> - Toxic. Full protective suit and breathing apparatus should be worn.</p> <p><b>2</b> <b>MODERATE</b> - Breathing apparatus and face mask must be worn.</p> <p><b>1</b> <b>SLIGHT</b> - Breathing apparatus may be worn.</p> <p><b>0</b> <b>MINIMAL</b> - No precautions necessary.</p>	<p><b>FLAMMABILITY HAZARD</b></p> <p><b>4</b> <b>EXTREME</b> - Extremely flammable gas or liquid. Flash Point below 73°F.</p> <p><b>3</b> <b>SERIOUS</b> - Flammable. Flash Point 73°F to 100°F.</p> <p><b>2</b> <b>MODERATE</b> - Combustible. Requires moderate heating to ignite. Flash Point below 200°F.</p> <p><b>1</b> <b>SLIGHT</b> - Slightly combustible. Requires strong heating to ignite.</p> <p><b>0</b> <b>MINIMAL</b> - Will not burn under normal conditions.</p>
<p><b>SPECIFIC HAZARD</b></p> <p>OXIDIZER <b>OX</b></p> <p>ACID <b>AC</b></p> <p>ALKALI <b>AL</b></p> <p>CORROSIVE <b>CO</b></p> <p>Use NO WATER <b>W</b></p> <p>RADIATION <b>☢</b></p>	<p><b>INSTABILITY HAZARD</b></p> <p><b>4</b> <b>EXTREME</b> - Explosive at room temperature.</p> <p><b>3</b> <b>SERIOUS</b> - May detonate if shocked or heated under confinement or mixed with water.</p> <p><b>2</b> <b>MODERATE</b> - Unstable. May react with water.</p> <p><b>1</b> <b>SLIGHT</b> - May react if heated or mixed with water.</p> <p><b>0</b> <b>MINIMAL</b> - Normally stable. Does not react with water.</p>



Hazard Index	
4	Severe Hazard
3	Serious Hazard
2	Moderate Hazard
1	Slight Hazard

<b>1</b> HEALTH	<b>PROTECTIVE EQUIPMENT INDEX</b>	
<b>0</b> FLAMMABILITY	<b>A</b> 	<b>G</b> 
<b>0</b> REACTIVITY	<b>B</b> 	<b>H</b> 
<b>B</b> PERSONAL PROTECTION	<b>C</b> 	<b>I</b> 
	<b>D</b> 	<b>J</b> 
	<b>E</b> 	<b>K</b> 
	<b>F</b> 	<b>X</b> Ask your supervisor for special handling instructions.

### **Section 16: OTHER INFORMATION**

Date of Preparation: August 30, 2021    Version: 1.1

Disclaimer: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.

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**End of Safety Data Sheet**