

## Material Safety Data Sheet

### 1. Product Identification

**Product name:** Nano R-Cement

**Identified uses :** It is used as an additive to concrete and plastering, increases the resistance to wear and friction of cement surfaces and reduces permeability.

**Supplier :** KEMET Castillo Coating & Painting

**Office Address:** 32 Asmaa Fahmy ST, Nasr City, Cairo, Egypt

**Factory Address :** El Tibbein , El Saff , Atfeih Road , Helwan , Cairo , Egypt



### 2. Composition/Information on ingredients

#### Chemical nature

mixture of natural Rubber and tio2: casno. 9003-01-4

#### Hazardous components

None according to eu directive 1999/45/EC

### 3. Hazards Identification

#### 3.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.

Human health Not classified.

Environment Not classified.

Classification (1999/45/EEC) Not classified.

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### 3.2. Label elements

Label In Accordance With (EC) No. 1272/2008





No pictogram required.

<b>Precautionary</b>	P102 Keep out of reach of children.
<b>Statements</b>	<p>P262 Do not get in eyes, on skin, or on clothing.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove</p>

Supplemental label information contact lenses, if present and easy to do. Continue rinsing. contains mixture of natural latex and other adhesive. May cause stick if it is spills or fall.

## 4. First Aid Measures

### 4.1. Description of first aid measures

 <b>EYES</b>	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
 <b>SKIN</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
 <b>INGESTION</b>	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse nose, mouth, and throat with water. Get medical attention if any discomfort continues.
 <b>INHALATION</b>	Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

### 4.2. Most important symptoms and effects, both acute and delayed.

General information

No significant symptoms are expected due to the non-hazardous nature of the product.

### 4.3. Indication of any immediate medical attention and special treatment needed

No specific first aid measures noted.

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### 5. Fire Fighting Measures

#### 5.1. Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

#### 5.2. Special hazards arising from the substance or mixture.

Hazardous combustion products  
 During fire, toxic gases  
 (CO, CO<sub>2</sub>) are formed  
 Unusual Fire & Explosion Hazards  
 No unusual fire or explosion hazards noted.  
 Specific hazards  
 Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

#### 5.3. Advice for firefighters



Special Fire Fighting Procedures  
 Avoid breathing fire vapors.  
 Protective equipment for fire-fighters  
 wear full protective clothing.

### 6. Accidental Release Measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
<b>Environmental precautions</b>	Avoid discharge into drains.
<b>Methods and material for containment and cleaning up</b>	Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area.
<b>Reference to other sections</b>	Wear protective clothing as described in Section 8 of this safety data sheet.

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### 7. Handling and Storage

 <b>Precautions for safe handling</b>	Avoid spilling, skin and eye contact
 <b>Conditions for safe storage, including any incompatibilities.</b>	Store in tightly closed original container in a dry, cool, and well-ventilated place. Keep in original container.

### 8. Exposure Control/Personal Protection

<b>Control parameters</b>	Ingredient Comments No exposure limits noted for ingredient(s).
<b>Exposure controls</b>	Protective equipment Engineering measures Provide adequate ventilation. Respiratory equipment No specific recommendations. Hand protection Use protective gloves. Eye protection Wear approved safety goggles. Other Protection Wear appropriate clothing to prevent any possibility of skin contact. Hygiene measures Wash hands after contact. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

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### 9. Physical and Chemical Properties

APPEARANCE	
Physical Form	liquid
Odour	Mild
pH-Value, Conc. Solution	7.9
Color	White Milky
Relative density	1.23g/cm <sup>3</sup>
Cocentration	67.3%
Solubility in water	Miscible with water
Flammability	None Flammable
Explosive propertis	Not available
Okidizing propertis	Not available

### 10. Stability and Reactivity

**Reactivity :** No specific reactivity hazards associated with this product.





**Chemical stability :** Stable under normal temperature conditions.

**Possibility of hazardous reactions :** Not applicable.

**Conditions to avoid :** Avoid heat. Avoid frost.

None at ambient temperatures. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

### 11. Toxicological Information

 <b>EYES</b>	May cause temporary eye irritation
 <b>SKIN</b>	May cause skin irritation/eczema.
 <b>INGESTION</b>	May cause discomfort if swallowed.
 <b>INHALATION</b>	In high concentrations, vapors may irritate throat and respiratory system and cause coughing.

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### 12. Ecological Information

Ecotoxicity	Toxicity
Not regarded as dangerous for the environment.	The product is not toxic.
Persistence and degradability	Bio accumulative potential
No information available	Bio accumulative potential No data available on bioaccumulation. No Bacteria or any other toxic material are detected according to analysis result from " Micro biology laboratory " associated with institute of engineering and health environmental
Mobility in soil	Results of PBT and vPvB assessment
Mobility: The product is non-volatile.	This product does not contain any PBT or vPvB substances.

### 13. Disposal Considerations

Waste treatment methods  
 No specific disposal method required.

### 14. Transport Information

**Dot UN/ID NO.** Not regulated  
**IMDG UN/IDNO.** Not regulated  
**TDG UN/IDNO.** Not regulated  
**UN proper shipping name** Not applicable.  
**Transport hazard class(es)** Not applicable.  
**Packing group** Not applicable.  
**Environmental hazards** Environmentally Hazardous  
**Substance/Marine Pollutant** No  
**Special precautions for user** Not applicable.  
**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**  
 Not applicable.

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### 15.Regulatory Information

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

##### UK Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

#### Chemical Safety Assessment

Revision

Comments 1

Issued by Technical Manager.

Revision Date 28.05.24

Risk Phrases in Full

### 16.Other Information

NC

Hazard Statements in Full

Not classified.

	Health Hazard	Flammability	Instability
NFPA	2	0	0

	Health Hazard	Flammability	Personal protection
HMIS	2	0	B

This safety data sheet should be used in combination with the product's technical data sheet, does not replace it