Safety data sheet

According to Annex II of REACH - Regulation (EU) 2020/878 and Annex II of the United Kingdom REACH.

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

	NanoPhos_140921-001
Product Name Code	Nanomax Wet look

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use Water-based waterproofing product for porous surfaces with wet effect.

1.3. Details of the supplier of the safety data sheet

Name NANOPHOS SA

Full address Technological & Cultural Park District and Country 19 500 Lavrio (Greece)

greece

Phone +30 22920 69312

Fax +30 22920 69303

Email address of the competent person

responsible for the Safety Data Sheet	iarabatz@NanoPhos.com
PROVIDER	Ioannis Arabatzis

1.4. Emergency telephone number

For urgent questions, please consult +30 210 7793777

SECTION 2. Hazard identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous according to the provisions set out in Regulation EC 1272/2008 (CLP).
However, as the product contains hazardous substances in concentrations that must be declared in section 3, a safety data sheet with appropriate information, compliant with Regulation (EU) 2020/878, is required.

Hazard classification and indication: --

2.2. Labeling elements

Hazard labeling according to Regulation EC 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms: --

Warning words: --

Hazard phrases:

EUH210	Safety data sheet available upon request.
EUH208	Contains: REACTIVE MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)
	It may cause an allergic reaction.

Precautionary phrases :

P501	Dispose of contents or container in accordance with local/national/international regulations.
P102	Keep out of reach of children.
P101	If medical advice is needed, have the product container or label at hand.

The product is not intended for uses as defined in Directive 2004/42/EC.

2.3. Other hazards

Based on available data, the product does not contain any PBT or vPvB in a percentage greater than 0.1%.

The product does not contain substances with endocrine disrupting properties in a concentration greater than 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contain

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
5-CHLORO- REACTIVE MASS 2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) INDEX 613-167-00-5 EC - CAS 55965-84-9	0 < x < 0.0015	Acute Tox. 2 H310, Acute Tox. 2 H330, Acute Tox. 3 H301, Skin Corrosion 1C H314, Serious eye damage 1 H318, Skin sensitization 1A H317, Hazardous to the aquatic environment acute 1 H400 M=100, Hazardous to the aquatic environment chronic 1 H410 M=100, EUH071, Classification note according to Annex VI to the CLP Regulation: B Skin corrosion 1C H314: ÿ 0.6%, Skin irritation 2 H315: 0.06% - < 0.6%, Skin sensitization 1A H317: ÿ 0.0015%, Serious eye damage 1 H318: ÿ 0.6%, Eye irritation 2 H319: 0.06% - < 0.6% ATE Oral: 100 mg/kg, LD50 Dermal: 87.12 mg/kg, LC50 Inhalation mist/dust: 0.171 mg/l/4h

The full wording of the hazard (H) phrases is provided in section 16 of the sheet.

SECTION. First aid measures

4.1. Description of first aid measures

No effects are expected that require the implementation of special first aid measures. The following information represents practical indications on the correct behavior in case of contact with a chemical product, even if it is not dangerous.
If in doubt or if you have any symptoms, contact a doctor and show them this document.
In case of more severe symptoms, seek emergency medical help.

EYES: Remove contact lenses, if present and easy to do. Rinse immediately with plenty of water for at least 15 minutes, holding the eyelids wide open. Get medical advice/attention.
SKIN: Remove contaminated clothing. Rinse immediately and thoroughly with running water (and soap, if possible). Seek medical advice. Avoid further contact with contaminated clothing.
INGESTION: Do not induce vomiting unless specifically directed to do so by a physician. Do not give anything by mouth to an unconscious person. Seek medical advice/attention.
INHALATION: Remove victim to fresh air, away from the scene of the accident. Seek medical advice/attention.

Rescuer's protection

It is good practice for rescuers providing assistance to a person exposed to a chemical substance or mixture to wear personal protective equipment. The nature of the protection depends on the hazard level of the substance or mixture, the type of exposure and the extent of contamination. In the absence of more specific advice, the use of disposable gloves is recommended in the event of possible contact with body fluids. For the type of PPE appropriate to the characteristics of the substance or mixture, see Section 8.

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

Specific information about symptoms and effects caused by the product is unknown.
DELAYED EFFECTS: Based on currently available information, there are no known cases of delayed effects following exposure to this product.

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

If symptoms occur, whether acute or delayed, consult a doctor.
Means that must be available at the workplace for specific and immediate treatments.

Running water for washing skin and eyes.

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE FIRE EXTINGUISHING EQUIPMENT
Fire extinguishing equipment must be of conventional type: carbon dioxide, foam, powder and water spray.

IMPROPER FIRE EXTINGUISHING EQUIPMENT
There is no specifically inadequate extinguishing equipment.

5.2. Special hazards arising from the substance or mixture itself

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF A FIRE
Do not inhale combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION
Use water jets to cool containers to prevent product decomposition and the development of substances potentially hazardous to health. Always wear full fire protection equipment. Collect extinguishing water to prevent it from flowing into the sewage system. Contaminated extinguishing water waste and fire debris must be disposed of in accordance with applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS
Normal firefighting clothing, i.e. fire protective equipment (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30), in combination with open-circuit, positive pressure, self-contained breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the drain if there is no danger.
Wear appropriate protective equipment (including personal protective equipment as specified in Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. This applies to both processing personnel and those involved in emergency procedures.

6.2. Environmental precautions

The product must not enter the sewage system or come into contact with surface water or groundwater.

6.3. Methods and materials for containment and cleaning up

Collect spilled product in a suitable container. Assess the compatibility of the container used, referring to section 10.
Absorb the remainder with inert absorbent material.
Make sure the affected area is well ventilated.
Contaminated materials should be disposed of according to regulations set out in section 13.

6.4. Reference to other sections Any information on personal protection and waste disposal is provided in sections 8 and 13.

SECTION 7. Handling and storage

7.1.Precautions for safe handling:

Before handling the product, consult all other sections of this Material Safety Data Sheet.
Avoid release to the environment. Do not eat, drink or smoke during use. Remove any contaminated clothing and personal protective equipment before entering areas where eating is taking place.

7.2. Conditions for safe storage, including any incompatibilities Store only in the original container. Store containers tightly closed in a well-ventilated place, away from direct sunlight. Keep containers away from any incompatible materials; see section 10 for details.

7.3. Specific uses No information available.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Invalid information

8.2. Exposure control

Given that the use of appropriate technical equipment must always take priority over personal protective equipment, ensure that the workplace is well ventilated by effective local exhaust ventilation.
HAND PROTECTION
Protect your hands with category III work gloves.
The following aspects must be considered when choosing the material for work gloves (according to standard EN 374): compatibility, degradation, permeation time.

The resistance of work gloves to chemical agents should be checked before use, as this can be unpredictable. The duration of use of the gloves depends on the duration and type of use.

SKIN PROTECTION
Wear professional long-sleeved category I coveralls and safety footwear (according to Regulation 2016/425 and standard EN ISO 20344). Wash your body with soap and water after removing protective clothing.

EYE PROTECTION
Wear tight-fitting safety goggles (according to EN ISO 16321).

RESPIRATORY PROTECTION
Respiratory protection devices must be used if the technical measures adopted are not adequate to limit the worker's exposure to the established threshold values. Use a mask with a type B filter and the class (1, 2 or 3) must be chosen according to the use limit concentration (according to standard EN 14387).

If the substance is odourless or the olfactory threshold is higher than the corresponding TLV-TWA and in case of emergency, wear an open-circuit compressed air breathing apparatus (according to EN 137) or an external air supply breathing apparatus (according to EN 138). For the correct choice of respiratory protective device, refer to EN 529.

ENVIRONMENTAL EXPOSURE CONTROL
Emissions generated by manufacturing processes, including those generated by ventilation equipment, must be verified to ensure compliance with environmental regulations.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

property	Liquid	Information
Appearance	value	
Color	milky	
Smell	not available	
Melting point / freezing point:	not available	
Initial boiling point	not available	
flammability	not available	
Lower explosion limit	not available	
Upper explosion limit	not available	
Flash point	> 60 °C	
Autoignition temperature	not available	
Decomposition temperature	not available	
pH	7.1	
Kinetic viscosity	not available	
Solubility	not available	
Partition coefficient: n-octanol/water	not available	
Vapor pressure	not available	
Density and/or relative density:	1.00 ± 0.05 kg/l	
Relative vapor density	not available	
Particle characteristics	not applicable	

9.2. Other information

Information on physical hazard classes

Information unavailable

9.2.2. Other security features

Information unavailable

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances under normal conditions of use.

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are expected under normal conditions of use and storage.

10.4. Conditions to avoid

There are no special conditions to avoid. However, the usual precautions for chemicals should be observed.

10.5. Incompatible materials

Information unavailable

10.6. Hazardous decomposition products

Information unavailable

SECTION 11. Hazardous decomposition products

In the absence of experimental data for the product itself, health hazards are assessed according to the properties of the substances it contains, using the criteria specified in the applicable regulations for classification.
It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3 to assess the toxicological effects of exposure to the product.

11.1. Information on hazard classes according to Regulation (EC) No. 1272/2008

Metabolism, toxicokinetics, mechanism of action and other information

Information unavailable

Information on likely routes of exposure

Information unavailable

Immediate and delayed effects, as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

Acute toxicity

ATE (Inhalation) of the mixture	**Not classified (no significant component)**
ATE (Oral) of the mixture	**Not classified (no significant component)**
ATE (Dermal) of the mixture	**Not classified (no significant component)**

The reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

LD50 (Dermal)	**87.12 mg/kg Rabbit**
LD50 (Oral):	**457 mg/kg Rat**
LC50 (Inhalation mists/powders)	**0.171 mg/l/4h Rat**

Skin corrosion/irritation

Does not meet the classification criteria for this hazard class

Serious eye damage/Eye irritation

Does not meet the classification criteria for this hazard class

Respiratory or skin sensitization

It may cause an allergic reaction.

Contain:

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class.

CARCINOGENICITY

Does not meet the classification criteria for this hazard class.

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class.

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class.

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class.

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class.

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with effects on human health under evaluation.

SECTION 12. Ecological information

Use this product in accordance with best practice. Avoid pollution. Inform the competent authorities if the product enters water courses or contaminates soil or vegetation.

12.1. Toxicity

The mixture of 5-chloro-2-Methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1)

LC50 - for fish	**0.19 mg/l/96h Oncorhynchus mykiss**
EC50 - for Crustaceans	**0.16 mg/l/48h Daphnia magna**
EC50 - for Algae / Aquatic Plants	**0.0052 mg/l/72h Skeletonema costatum**
Chronic NOEC for fish	**0.02 mg/l Danio rerio**
Chronic NOEC for crustaceans	**0.1 mg/l Daphnia magna**
Chronic NOEC for algae/aquatic plants	**0.00049 mg/l Skeletonema costatum**

12.2. Persistence and degradability

The mixture of 5-chloro-2-Methyl-2H-isothiazol-3-one and 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

Water solubility	**> 10000 mg/l**

Does not degrade quickly

12.3. Bioaccumulative potential

REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOLE-3-ONE AND 2-METHYL-2H-ISOTHIAZOLE-3-ONE (3:1)

Partition coefficient: n-octanol/water	**0.75**
BCF	**< 54**

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

Based on available data, the product does not contain any PBT or vPvB in a percentage greater than 0.1%.

12.6. Endocrine Disrupting Properties

Based on available data, the product does not contain substances included in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods
Reuse if possible. Pure product residues should be considered special, non-hazardous waste.
Disposal must be carried out through an authorized waste management company, in accordance with national and local regulations.

CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in accordance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous according to the current provisions of the International Code for the Transport of Dangerous Goods by Road.

(ADR) and by Rail (RID), the International Maritime Dangerous Goods Code (IMDG) and the regulations of the International Association of

Air Transport (IATA).

14.1. UN number or identification number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for the user

Not applicable

Not applicable

14.7. Bulk maritime transport according to IMO instruments

Information not relevant

SECTION 15. Regulatory Information

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

Seveso Category - Directive 2012/18/EU: None

Restrictions relating to the product or the substances contained, according to Annex XVII of Regulation (EC) No 1907/2006

Substance contained

Point	**75**	
Point	**72-77**	**Formaldehyde**

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Candidate List Substances (Art. 59 REACH)

Based on the available data, the product does not contain any SVHC in a percentage higher than 0.1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to export reporting, according to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Health checks

Information not available

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out for the preparation/substances indicated in section 3.

SECTION 16. Other information

Text of the hazard statements (H) mentioned in sections 2-3 of the sheet:

Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Corrosive to skin, category 1C	Skin corrosion, category 1C
Skin corrosion, category 1	Skin corrosion, category 1
Serious eye damage, category 1a	Serious eye damage, category 1
Serious eye damage, category 1	Eye irritation, category 2
Skin irritation, category 2	Skin irritation, category 2
Skin sensitization, category 1A	Skin sensitization, category 1A
Acute aquatic toxicity, category 1	Hazardous to the aquatic environment, acute toxicity, category 1
Chronic aquatic toxicity, category 1	Hazardous to the aquatic environment, chronic toxicity, category 1
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H314	Causes severe skin burns and serious eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	It may cause an allergic reaction on the skin.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH210	Safety data sheet available upon request.

LEGEND:

ADR: European Agreement concerning the Carriage of Dangerous Goods by Road
ATE: Acute Toxicity Estimate
CAS: Chemical Abstracts Service Number
EC50: Effective concentration (required to induce a 50% effect)
EC: Identifier in ESIS (European Archive of Existing Substances)
CLP: Regulation (EC) 1272/2008
DNEL: Derived No Effect Level
EmS: Emergency Service
GHS: Global System of Classification and Labelling of Chemicals
IATA DGR: International Air Transport Association Dangerous Goods Regulations

IC50: 50% Immobilization Concentration
IMDG: International Maritime Dangerous Goods Code
IMO: International Maritime Organization
INDEX: Identifier in Annex VI of CLP
LC50: Lethal Concentration 50%
LD50: Lethal Dose 50%
OEL: Occupational Exposure Level
PBT: Persistent, bioaccumulative and toxic
PEC: Predicted Ambient Concentration

PMT: Persistent, mobile and toxic
PNEC: Predicted No Effect Concentration
REACH: Regulation (EC) 1907/2006
RID: Regulations concerning the international carriage of dangerous goods by rail
TLV: Threshold Limit Value
TLV CEILING: Concentration that should not be exceeded at any time during occupational exposure
TWA: Time Weighted Average Exposure Limit
TWA STEL: Short Term Exposure Limit
VOC: Volatile Organic Compounds
vPvB: Very persistent and very bioaccumulative
vPvM: Very persistent and very mobile
WGK: Water hazard classes (Germany)

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (Annex II of the REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (EU) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (EU) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (EU) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (EU) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (EU) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (EU) 2022/692 (XVIII Atp. CLP)
23. Delegated Regulation (EU) 2023/707
24. Delegated Regulation (EU) 2023/1434 (XIX Atp. CLP)

24. Delegated Regulation (EU) 2023/1435 (XX Atp. CLP)

The Merck Index - 10th Edition
Chemical Handling Safety
INRS - Fiche Toxicologique (toxicology sheet)
Patty - Industrial Hygiene and Toxicology
NI Sax - Dangerous Properties of Industrial Materials-7, 1989 Edition
IFA GESTIS website
ECHA website
Database of SDS Models for Chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note to users:
The information contained in this sheet is based on our knowledge at the date of the last version. Users must verify the suitability and completeness of the information provided for the specific use of the product.
This document should not be considered a guarantee of any specific product properties.
The use of this product is not under our direct control; users must therefore comply, under their own responsibility, with current health and safety legislation and regulations. The manufacturer is exempt from any liability in the event of improper use.
Provide designated personnel with appropriate training on the use of chemicals.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: The classification of the product is derived from the criteria set out in the CLP Regulation, Annex I, Part 2. Data for the evaluation of chemical-physical properties are reported in section 9.
Health hazards: The classification of the product is based on calculation methods according to Annex I to CLP, Part 3, unless otherwise specified in Section 11.
Environmental hazards: The classification of the product is based on calculation methods according to Annex I to CLP, Part 4, unless otherwise specified in Section 12.

Changes since the previous revision:
The following sections have been modified:

02 / 03 / 04 / 08 / 09 / 11 / 12 / 15 / 16.