

NANOPHOS SA**SurfaPaint ThermoDry Exterior**

Revision No. 5

Dated 07/31/2024

Printed on 31/07/2024 Page

No. 1/11

Superseded revision:4 (Date: 01/08/2023)

Safety data sheet**SECTION 1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Code: Product name

NanoPhos_GA_03082018-006

SurfaPaint ThermoDry Exterior

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

Intended use Acrylic paint for thermal insulation of external masonry and walls

1.3. Details of the supplier of the information sheet

Name and surname

NANOPHOS SA

Full address District

Technological and Cultural Park

and country

19 500 Lavrio (Greece)

Greece

Phone +30 22920 69312

Fax +30 22920 69303

email address of the competent person

iarabatz@NanoPhos.com

responsible for the information sheet

Ioannis Arabatzis

Supplier:

1.4. Emergency telephone number

For urgent requests, contact

+30 210 7793777

SECTION 2. Hazard identification**2.1. Classification of the substance or mixture**

The product is not classified as hazardous in accordance with the provisions of Regulation (EC) No 1272/2008 (CLP) (and subsequent amendments and supplements).

Hazard classification and indication:

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2.2. Label elements

Hazard pictograms:

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Signal words:

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Hazard phrases:

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Precautionary statements:

P103

Read the label before use.

P404

Store in a closed container.

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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.**P261** Avoid breathing fumes, mist or spray.**P301+P310** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.**P271** Use only outdoors or in a well-ventilated area.**P410** Protect from sunlight.

VOC (Directive 2004/42/EC) :

Exterior walls made of mineral substrate.

VOC expressed in g/liter of product in ready-to-use state: 11.00

Limit value: 40.00

2.3. Other hazards

Based on the available data, the product does not contain PBT or vPvB in percentages greater than 0.1%. The product does not contain substances with endocrine disrupting properties in concentration greater than 0.1%.

SECTION 3. Composition/information on ingredients**3.2. Mixtures**

The product does not contain substances classified as hazardous to human health or the environment in accordance with the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and supplements) in quantities requiring declaration.

SECTION 4. First aid measures**4.1. Description of first aid measures**

No effects are expected that require the application of special first aid measures. The following information represents practical guidance on the correct behavior in case of contact with a chemical product, even if it is not dangerous.

If in doubt or if symptoms are present, contact a doctor and show him/her this document. In case of more severe symptoms, seek medical help immediately.

Rescuer's protection

It is good practice for rescuers providing support to a person who has been exposed to a chemical substance or mixture to wear personal protective equipment.

The nature of this protection depends on the hazard level of the substance or mixture, the type of exposure and the degree of contamination. In the absence of other more specific indications, the use of disposable gloves is recommended in case 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

No specific information is known regarding symptoms and effects caused by the product.

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

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Means available at the workplace for specific and immediate treatment Running water

for washing skin and eyes.

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing equipment should be of the conventional type: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

GENERAL INFORMATION

Use water jets to cool containers to prevent product decomposition and the release of substances potentially hazardous to health. Always wear full fire-fighting equipment. Collect extinguishing water to prevent it from flowing into the sewer system. Dispose of contaminated extinguishing water and fire debris in accordance with applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS Normal

firefighting clothing, namely firefighter's kit (BS EN 469), gloves (BS EN 659) and boots (HO specifications A29 and A30) in combination with a self-contained open-circuit positive pressure compressed air 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 or underground water.

6.3. Methods and materials for containment and cleaning up

Collect spilled product in a suitable container. Assess the compatibility of the container to be used by checking section 10. Absorb the remainder with inert absorbent material.

Ensure that the spill area is well ventilated. Contaminated material should be disposed of in accordance with the provisions of section 13.

6.4. Reference to other sections

Any information on personal protection and disposal is provided in sections 8 and 13.

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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 people eat.

7.2. Conditions for safe storage, including any incompatibilities

Keep 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 end use(s)

Information is not available.

SECTION 8. Exposure controls/personal protection**8.1. Control parameters**

Information is not available.

8.2. Exposure control

Follow the safety precautions commonly applied when handling chemicals.

HAND PROTECTION
 It is not necessary.

SKIN PROTECTION
 It is not necessary.

EYE PROTECTION
 It is not necessary.

RESPIRATORY PROTECTION
 Respiratory protective devices must be used if the technical measures adopted are not adequate to limit the worker's exposure to the limit values considered. Use a type B filter mask whose class (1, 2 or 3) must be chosen according to the limit concentration of use. (see standard EN 14387). If the substance in question is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in case of emergency, wear an open-circuit compressed air breathing apparatus (in accordance with standard EN 137) or an external air breathing apparatus (in accordance with standard EN 138). For correct choice of respiratory protective device, see standard EN 529.

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

SECTION 9. Physical and chemical properties

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9.1. Information on basic physical and chemical properties

property	Sticky liquid value	Information
appearance		
Color	white	
Smell	gentle	
Melting point/freezing point	not available	
Initial boiling point	not available	
FLASH	is not available	
Lower explosive limit	is not available	
Upper explosion limit	is not available	
Flash point	> 60 °C	
Autoignition temperature	is not available	
Decomposition temperature	is not available	
pH	8.3-9.3	
Kinematic viscosity	is not available	
Dynamic viscosity	130 KU	
Solubility	is not available	
Partition coefficient: n-octanol/water	it is not	
available Available vapor pressure	it is not	
Density and/or relative density	1.05±0.05kg/L	
Relative vapor density	is not available	
Particle characteristics	does not apply	

9.2. Other information**9.2.1. Information on physical hazard classes**

Information is not available.

9.2.2. Other safety features

VOC (Directive 2004/42/EC) : 10.00

SECTION 10. Stability and reactivity**10.1. Reactivity**

There are no special 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.

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10.4. Conditions to avoid

None in particular. However, the usual precautions used for chemical products should be observed.

10.5. Incompatible materials

Information is not available.

10.6. Hazardous decomposition products

Information is not available.

SECTION 11. Toxicological information

According to currently available data, this product has not yet caused any harm to health. However, it should be handled in accordance with good industrial practice.

11.1. Information on hazard classes as defined in Regulation (EC) No. 1272/2008

Metabolism, toxicokinetics, mechanism of action and other information Information not available

Information on likely routes of exposure Information

are not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure Information

unavailable

Interactive Effects Information

are 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 component)

significant) SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE/IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITIZATION

Does not meet the classification criteria for this hazard class

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GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

carcinogen

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 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 good working practices. Avoid littering. Inform the authorities if the product reaches water courses or contaminates soil or vegetation.

12.1. Toxicity

Information is not available.

12.2. Persistence and degradability

Information is not available.

12.3. Bioaccumulative potential

Information is not available.

12.4. Mobility in soil

Information is not available.

12.5. Results of PBT and vPvB assessment

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

12.6. Endocrine Disrupting Properties

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

12.7. Other adverse effects

Information is not available.

SECTION 13. Disposal considerations**13.1. Waste treatment methods**

Reuse, when possible. Clean product residues should be considered non-hazardous special waste.

Disposal must be carried out through a licensed 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 Road Transport Code (ADR) and Rail Transport Code (RID), the International Maritime Dangerous Goods Code (IMDG) and the regulations of the International Air Transport Association (IATA).

14.1. UN number or identification number

does not apply

14.2. UN proper shipping name

does not apply

14.3. Transport hazard class(es)

does not apply

14.4. Packing group

does not apply

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14.5. Environmental risks

does not apply

14.6. Special precautions for the user

does not apply

14.7. Bulk maritime transport in accordance with IMO instruments

Information that is 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 in accordance with Annex XVII to Regulation (EC) No 1907/2006

The substance contained

Point 75

Point 72-77 Formaldehyde

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

explosives do not apply

Substances on the Candidate List (Article 59 REACH)

Based on the available data, the product does not contain any SVHC in percentages higher than 0.1%. Substances subject to authorisation (annex

XIV REACH)

None

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

None

Substances subject to the Rotterdam Convention:

None

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Substances subject to the Stockholm Convention: _____

None

Health checks _____

Information not available

VOC (Directive 2004/42/EC) : _____

Exterior walls made of mineral substrate.

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

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road

- ATE: Acute Toxicity Estimate - CAS:

Chemical Abstracts Service Number - EC50: Effective

Concentration (necessary to induce a 50% effect)

- CE: Identifier in EESIS (European Archive of Existing Substances)

- CLP: Regulation (EC) 1272/2008 - DNEL:

Derived No Effect Level - EmS:

Emergency Schedule - GHS:

Globally Harmonized System of Classification and Labelling of Chemicals - IATA DGR: International Air

Transport Association Dangerous Goods Regulations - IC50: 50% Immobilisation Concentration - IMDG: International Maritime

Dangerous Goods Code - IMO: International

Maritime Organization - INDEX: Identifier in Annex VI to CLP - LC50: Lethal

Concentration 50% - LD50: Lethal Dose 50% - OEL:

Occupational Exposure Level - PBT: Persistent,

Bioaccumulative and Toxic - PEC:

Predicted Environmental

Concentration - PEL: Predicted Exposure Level -

PMT: Persistent, Mobile and Toxic - PNEC:

Predicted No Effect Concentration - REACH: Regulation

(EC) 1907/2006 - RID: Regulation concerning

the International Carriage of Dangerous

Goods by Rail - TLV: Threshold Limit Value - TLV

CEILING: Concentration that should not be exceeded

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 (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) No 1907/2006 (REACH) of the European Parliament

2. Regulation (EC) No 1272/2008 (CLP) of the European Parliament 3.

Regulation (EU) 2020/878 (Annex II to the REACH Regulation)

4. Regulation (EC) 790/2009 (I Atip. CLP) of the European Parliament

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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)
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 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)
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 24. Delegated Regulation (EU) 2023/1435 (XX Atp. CLP)
 - Merck Index. - 10th Edition - Chemical Safety Handling - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology - NI
 Sax - Dangerous properties of Industrial Materials-7, 1989 Edition - IFA GESTIS website - ECHA website - Database of SDS templates
 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 own knowledge at the date of the last version. Users must verify the suitability and completeness of the information provided for each specific use of the product.

This document cannot be considered a guarantee for any specific property of the product.

The use of this product is not under our direct control; therefore, users must, at their own risk, comply with applicable health and safety laws and regulations. The manufacturer is exempt from any liability resulting from improper use.

Provide designated personnel with appropriate training on how to use the chemical. 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 physicochemical properties are reported in section 9.

Health hazards: The classification of the product is based on the calculation methods in accordance with Annex I to CLP, Part 3, unless otherwise stated in section 11. Environmental hazards: The classification of the product is based on the calculation methods in accordance with Annex I to CLP, Part 4, unless otherwise stated in section 12.

Changes from the previous assessment: The following sections have been modified: 02 / 03 / 04 / 07 / 08 / 11 / 12 / 15.