

NANOPHOS SA**NANOMAX PAVE PLUS**

Revision No. 3

Dated 02/08/2024

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Superseded Revision:2 (Date: 02/08/2024)

Safety data sheet

In accordance with Annex II of REACH - Regulation (EU) 2020/878 and Annex II of UK REACH

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

Code:

NanoPhos_04052023-001

Product name

NANOMAX PAVE PLUS

UFI:

15TV-V0JV-U00F-GMXE

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

Intended use Solvent-based colorant for paving, structural surfaces and other cement surfaces

1.3. Details of the supplier of the safety data sheet

Name and

NANOPHOS SA

surname Full

Technological and Cultural Park

address 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
Supplier:

iarabatz@NanoPhos.com

Ioannis Arabatzis

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 classified as hazardous in accordance with the provisions of Regulation (EC) No. 1272/2008 (CLP) (and subsequent amendments and supplements). The product therefore requires a safety data sheet that complies with the provisions of Regulation (EU) 2020/878.

Any additional information on health and/or environmental risks is presented in sections 11 and 12 of this sheet.

Hazard classification and indication:

Flammable liquid, category 2

H225

Extremely flammable liquid and vapor.

Reproductive toxicity, category 2

H361fd

Suspected of damaging fertility. Suspected of harming the unborn child.

Specific target organ toxicity - repeated exposure, category 2 H373

May cause damage to organs through prolonged or repeated exposure.

Skin irritation, category 2

H315

Causes skin irritation.

Specific target organ toxicity - single exposure, category 3 H336

May cause drowsiness or dizziness.

2.2. Label elements

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Hazard labelling in accordance with Regulation (EC) No 1272/2008 (CLP) and subsequent amendments and supplements. Pictograms

of danger:



Warning words: danger

Hazard phrases:

H225 Extremely flammable liquid and vapor.

H361fd Suspected of damaging fertility. Suspected of harming the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves/protective clothing/eye protection/skin protection.

front. P370+P378 In case of fire: use a dry powder or carbon dioxide (CO2) extinguisher to extinguish.

extinguishing. P321 Specific treatment (see . . . on this label).

P202 Do not handle until you have read and understood all safety precautions.

P242 Use non-sparking tools.

P403+P235 Store in a well-ventilated place. Keep cool.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P362+P364 Remove contaminated clothing and wash before reuse.

P240 Grounding and bonding of containers and receiving equipment.

P243 Take steps to prevent static discharge.

P241 Use explosion-proof [electrical / ventilation / lighting / . . .] equipment.

P103 Read the label before use.

P501 Dispose of contents or container in accordance with local/national/international regulations.

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P102	Keep out of reach of children.
P101	If medical advice is needed, have the product container or label at hand.
P201	Obtain special instructions before use.
P312	If you feel unwell, call a POISON CENTER or
a doctor. P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P264	Wash with plenty of water and soap thoroughly after handling.
P260	Do not breathe smoke, mist or spray.
P271	Use only outdoors or in a well-ventilated area.
P405	Store locked.

Contain:
 TOLUENE
 N - BUTYL ACETATE N
 - BUTYL ACETATE

VOC (Directive 2004/42/EC) :

Binding primers.

VOC expressed in g/liter of product in ready-to-use state:	699.00
Limit value:	750.00

2.3. Other hazards

Based on the available data, the product does not contain PBT or vPvB in a percentage 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**

Contain:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP) Xylene
INDEX 601-022-00-9	50 x< 55	Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Irrit. 2 H315
EC 215-535-7		LD50 Dermal: 2000 mg/kg, ATE Inhalation vapor: 11 mg/l CAS 1330-20-7
TOLUENE		
INDEX 601-021-00-3	10 x< 20	Flam. Liq. 2 H225, Repr. 2 H361fd, Asp. Tox. 1 H304, STOT RE 2 H373, Skin Irrit. 2 H315, STOT SE 3 H336

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EC 203-625-9

CAS 108-88-3

N-BUTYL ACETATE

INDEX 607-025-00-1

0 < x < 5

Flam. Liq. 3 H226, STOT SE 3 H336, EUH066

EC 204-658-1

CAS 123-86-4

Triethoxy(octyl)silane

INDEX -

0 < x < 5

Skin irritation 2

H315 EC 220-941-2

CAS 2943-75-1

REACH Reg. 01-2119972313-39

N - BUTYL ACETATE

INDEX 607-025-00-1

0 < x < 5

Flam. Liq. 3 H226, STOT SE 3 H336, EUH066

EC 204-658-1

CAS 123-86-4

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

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

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

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. Wash immediately and thoroughly with running water (and soap, if possible). Get medical attention. Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless directed to do so by a physician. Do not give anything by mouth to an unconscious person. Get medical advice/attention.

INHALATION: Remove victim to fresh air, away from the scene of the accident. In case of respiratory symptoms (cough, wheezing, difficulty breathing, asthma), keep victim in a position comfortable for breathing. If necessary, administer oxygen. If subject has stopped breathing, administer artificial respiration. Obtain medical advice/attention.

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.

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 you are exposed or concerned: Get medical advice/attention.

Means available at the workplace for specific and immediate treatment

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Running water for washing skin and eyes.

SECTION 5. Firefighting measures

5.1. Extinguishing media

ADEQUATE FIRE EXTINGUISHING EQUIPMENT

Extinguishing media are: carbon dioxide, foam, dry chemical. In the case of losses or leaks of products that have not caught fire, water spray can be used to disperse flammable vapors and protect people trying to stop the leak.

INADEQUATE EXTINGUISHING EQUIPMENT Do not

use water jets. Water is not effective for extinguishing fires, but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Excess

pressure may develop in containers exposed to fire with risk of explosion. 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.

Remove persons who are not properly equipped. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the spill area.

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.

SECTION 7. Handling and storage

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7.1. Precautions for safe handling

Keep away from heat, sparks and open flames; do not smoke or use matches or lighters. In the absence of adequate ventilation, vapors may accumulate at ground level and, if any are lit, they can catch fire even at a distance, with a fire hazard. Avoid the accumulation of electrostatic charges. When carrying out transfer operations involving large containers, connect to a grounding system and wear antistatic footwear. Vigorous agitation and flow through tubes and equipment can cause electrostatic charges to build up and accumulate. To avoid the risk of fire and explosion, never use compressed air during handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Keep only in the original container. Keep containers tightly closed, in a well-ventilated place, away from direct sunlight. Store in a cool, well-ventilated place, away from heat, flames and sparks and other sources of ignition. 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**Regulatory references:**

brothers	France	Valeurs limites d'exposition professionnelle aux agents chimiques en FranceDécret n° 2021-1849 du 28 December 2021
GRC	Greece	γ. 26/2020 (γ. 50/γ. 6.3.2020) Harmonization of the Greek legislation to the provisions of the directives 2017/2398/EU, 2019/130/γ. and 2019/983/γ. "for the amendment of Directive 2004/37/EC "relating to protection of workers from the risks associated with exposure to carcinogens or γγγγγγγγγγγγγγ factors against work
red	Romania	Decision No. 53/2021 amending Government Decision No. 1,218/2006, as well as and for the modification and supplementing government decision no. 1,093/2006
GBR eu	United Kingdom EU OEL	EH40/2005 Occupational Exposure Limits (Fourth Edition 2020) Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2023

xylene**Threshold limit value**

Type Country	TWA/8h	STEL/15min	Remarks / Observations
mg/m3	ppm	mg/m3	ppm

TLV GRC 435 100 650 150

Predicted No Effect Concentration - PNEC

Normal value in fresh water	0.327	mg/l
Normal value in seawater	0.327	mg/l
Normal value for water sediments sweet	12.46	mg/kg
Normal value for water sediments marine	12.46	mg/kg
Normal value of STP microorganisms	6.58	mg/l
Normal value for the terrestrial compartment	2.31	mg/kg
Normal value for the atmosphere	327	mg/l

Health - Derived No Effect Level - DNEL / DMEL

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Route of exposure	Effects on consumers			Effects on workers			
	Acute local	Acute systemic	Local news	Chronic systemic	Acute local	Acute systemic	Local Chronicle Chronicle Sistema
Oral				1.6 mg/kg			
Inhalation	174 mg/m3	174 mg/m3		14.8 mg/m3	289 mg/m3	289 mg/m3	77 mg/m3
Skin				108 mg/kg			180 mg/kg

TOLUENE**Threshold limit value**

Type	Country		TWA/8h	STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV	GRC	384	100		

Health - Derived No Effect Level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers			
	Acute local	Acute systemic	Local news	CHRONIC Sistema	Acute local	Acute Sistema	Local Chronicle Chronicle Sistema
Oral				8.13 mg/kg b/w			
Inhalation	226 mg/m3	226 mg/m3		56.5 mg/m3 384 mg/m3	384 mg/m3	192 mg/m3	192 mg/m3
Skin				226 mg/kg bw/day			384 mg/kg b/w

N-BUTYL ACETATE**Threshold limit value**

Type Country	TWA/8h		STEL/15min	
	mg/m3	ppm	mg/m3	ppm
VLEP brothers	241	50	723	150
TLV GRC	710	150	950	200
TLV red	241	50	723	150
WEL GBR	724	150	966	200
steel eu	241	50	723	150
TLV-ACGIH		50		150

Predicted No Effect Concentration - PNEC

Normal value in fresh water	0.18	mg/l
Normal value in seawater	0.018	mg/l
Normal value for marine water sediments	0.0981	mg/kg
Normal value for water, intermittent release	0.981	mg/l
Normal value of STP microorganisms	35.6	mg/l
Normal value for the terrestrial compartment	0.0903	mg/kg

Health - Derived No Effect Level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers			
	Acute local	Acute systemic	Local news	Chronic systemic	Acute local	Acute systemic	Local Chronicle Chronicle Sistema
Oral				3.4 mg/kg b/w			
Inhalation	859.7 mg/m3	859.7 mg/m3	102.34 mg/m3	102.34 mg/m3	960 mg/m3	960 mg/m3	480 mg/m3 480 mg/m3
Skin				3.4 mg/kg bw/day			7 mg/kg bw/day

N - BUTYL ACETATE**Threshold limit value**

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VND = hazard identified, but no DNEL/PNEC available; NEA = no expected exposure; NPI = no hazard identified; LOW = low hazard; MED = medium hazard; HIGH = high hazard.

8.2. Exposure control

Since the use of appropriate technical equipment must always take priority over personal protective equipment, ensure that the workplace is well ventilated through effective local exhaust ventilation.

When choosing personal protective equipment, seek advice from the chemical supplier. Personal protective equipment must bear the CE marking, which attests to its compliance with the applicable standards.

Provide an emergency shower with face and eye wash station.

Exposure levels should be kept as low as possible to avoid significant accumulation in the body. Manage personal protective equipment in such a way as to guarantee maximum protection (e.g. reducing replacement time).

HAND PROTECTION

Protect your hands with category III work gloves.

When choosing the material for work gloves (see standard EN 374) the following must be taken into account: compatibility, degradation, permeation time.

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

SKIN PROTECTION

Wear professional long-sleeved category II overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash your body with soap and water after removing protective clothing.

Consider providing antistatic clothing in work environments where there is a risk of explosion. EYE PROTECTION

Wear tight-fitting safety goggles (see standard EN ISO 16321).

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. A mask with an AX type filter is used, the class of which (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 supply 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

9.1. Information on basic physical and chemical properties

property	Liquid value	Information
appearance		
Color	Transparent, Grey, Black, ochre, red-brown	characteristic
Smell		
Melting point/freezing point	not available	

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Initial boiling point	> 35 °C	
FLASH	is not available	
Lower explosive limit	is not available	
Upper explosion limit	is not available	
Flash point	< 23 °C	
Autoignition temperature	is not available	
Decomposition temperature	is not available	
pH	not available	
Kinematic viscosity	6000± 1000 mm ² /s	Temperature: 40 °C
Solubility	not available	
Partition coefficient: n-octanol/water	it is not	
available Available vapor pressure	it is not	
Density and/or relative density	0.93 g/cm ³	
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

Information is not available.

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no special risks of reaction with other substances under normal conditions of use. N- ACETATE

BUTYL

Decomposes on contact with: water.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Vapors may also form explosive mixtures with air.

N-BUTYL ACETATE

Risk of explosion in contact with: strong oxidizing agents. may react dangerously with: alkali hydroxides, potassium tert-butoxide. forms explosive mixtures with: air.

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10.4. Conditions to avoid

Avoid overheating. Avoid electrostatic charge buildup. Avoid all sources of ignition. **N-BUTYL ACETATE**

Avoid exposure to: moisture, heat sources, open flames.

10.5. Incompatible materials**N-BUTYL ACETATE**

Incompatible with: water, nitrates, strong oxidants, acids, alkalis, zinc.

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapors that are potentially hazardous to health may be released.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are assessed based on the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to consider the individual hazardous substances indicated in section 3, in order to assess the toxicological effects of exposure to the product.

11.1. Information on hazard classes as defined in Regulation (EC) No. 1272/2008**Metabolism, toxicokinetics, mechanism of action and other information**

unavailable

Information on likely routes of exposure**N-BUTYL ACETATE**

WORKERS: inhalation; skin contact.

Delayed and immediate effects as well as chronic effects from short and long-term exposure N-BUTYL**ACETATE**

In humans, the vapors of the substance cause irritation of the eyes and nose. In case of repeated exposure, skin irritation, dermatitis (dryness and cracking of the skin) and keratitis appear. **Effects**

interaction**N-BUTYL ACETATE**

A case of acute poisoning has been reported involving a 33-year-old worker while cleaning a tank with a preparation containing xylenes, butyl acetate and ethylene glycol acetate. The person presented with conjunctival and upper respiratory tract irritation, drowsiness and motor coordination disorders, which resolved within 5 hours. The symptoms are attributed to poisoning with a mixture of xylene and butyl acetate, with a possible synergistic effect responsible for the neurological effects. Cases of vacuolar keratitis have been reported in workers exposed to a mixture of butyl acetate and isobutanol vapours, but with uncertainties regarding the responsibility of a specific solvent (INRC, 2011).

ACUTE TOXICITY

ATE (Inhalation - vapour) of the mixture:

> 20 mg/l

ATE (oral) of the mixture:

Not classified (no significant components)

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ATE (Dermal) of the mixture:

>2000 mg/kg

xylene

LD50 (Dermal):

2000 mg/kg

LD50 (oral):

4300 mg/kg

LC50 (inhalation vapor):

29.1 mg/l

ATE (inhalation vapors):

11 mg/l estimate from table 3.1.2 of Annex I to CLP

(figure used to calculate the acute toxicity estimate of the mixture)

TOLUENE

LD50 (Dermal):

> 5000 mg/kg RABBIT

LD50 (oral):

5580 mg/kg RAT

LC50 (inhalation vapor):

25.7 mg/l/4h RAT

N-BUTYL ACETATE

LD50 (Dermal):

> 5000 mg/kg Rabbit

LD50 (oral):

> 6400 mg/kg Rat

LC50 (inhalation vapor):

21.1 mg/l/4h Rat

N - BUTYL ACETATE

LD50 (Dermal):

> 14000 mg/kg RABBIT

LD50 (oral):

> 10000 mg/kg RAT

LC50 (inhalation vapor):

> 21.4 mg/l/4h TWA

Triethoxy(octyl)silane

LD50 (Dermal):

5000 mg/kg

LD50 (oral):

5110 mg/kg

LC50 (inhalation gas):

22 ppm/4h

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE INJURIES / IRRITATIONS

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITIZATION

Does not meet the classification criteria for this hazard class

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

Suspected of damaging fertility - Suspected of damaging the unborn child STOT - _____

SINGLE EXPOSURE

May cause drowsiness or dizziness.

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Partition coefficient: n-octanol/water

6.41 Log Kow

BCF

1890 56 days

12.4. Mobility in soil

Information is not available.

12.5. Results of PBT and vPvB assessment

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 assessment.

12.7. Other adverse effects

Information is not available.

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

Reuse, when possible. Product residues must be considered special hazardous waste. The hazard level of waste containing this product assessed in accordance with applicable regulations.

Disposal must be carried out through a licensed waste management company, in accordance with national and local regulations.

The transport of waste may be subject to ADR restrictions.

CONTAMINATED PACKAGING

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

SECTION 14. Transport information**14.1. UN number or identification number**

ADR / RID, IMDG, IATA: UN 1263

14.2. UN proper shipping name

ADR/RID:	PAINT RELATED MATERIALS
IMDG:	MATERIAL RELATED TO PAINTS
BEHOLD:	PAINT RELATED MATERIALS

14.3. Transport hazard class(es)

ADR/RID: Class: 3 Tag: 3



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IMDG: Class: 3 Tag: 3

BEHOLD: Class: 3 Tag: 3

**14.4. Packing group**

ADR / RID, IMDG, IATA: y1

14.5. Environmental risks

ADR/RID: NOT

IMDG: not a marine pollutant

BEHOLD: NO

14.6. Special precautions for the user

ADR/RID:	HIN - Kemler: 33	Limited of tunnels: 5 lt	Restricted quantities code: (D/E)
IMDG:	Special provisions: 163, 367, 640D, 650 EMS: FE, SE _____	limited Quantities: 5 lt	
BEHOLD:	Cargo: Passengers:	Maximum packaging: 60 L	Quantity of instructions: 364 packing instructions: 353
	Special provision:	Maximum quantity: 5 L	
		A3, A72, A192	

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: P5c

Restrictions relating to the product or the substances contained in accordance with Annex XVII to Regulation (EC) No 1907/2006 Product

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Substance contained

Point 75

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Point 48 TOLUENE

Regulation (EU) 2019/1148 - on the marketing and use of drug precursorsexplosives do not applySubstances on the Candidate List (Art. 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

Substances subject to the Stockholm Convention:

None

Health checks

Workers exposed to this chemical agent do not need to undergo medical surveillance, provided that the available risk assessment data demonstrate that the risks to the health and safety of workers are modest and that Directive 98/24/EC is complied with.

VOC (Directive 2004/42/EC) :

Binding primers.

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 section 2-3 of the sheet:

Flam. Liq. 2	Flammable liquid, category 2
Flam. Liq. 3	Flammable liquid, category 3
Rep. 2	Reproductive toxicity, category 2
Acute toxicity. 4	Acute toxicity, category 4
Asp. Tox. 1	Aspiration hazard, category 1
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Irritating to skin. 2	Skin irritation, category 2

NANOPHOS SA**NANOMAX PAVE PLUS**

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- 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)

- 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 chemical substances - 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 should not 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 adequate training on how to use the chemical products. **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 set out in 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 set out in Annex I to CLP, Part 4, unless otherwise stated in section 12.

Changes since the previous revision:

The following sections were modified: 03 / 08 / 11 / 12.