

NANOPHOS SA	Revision no. 8
NANOMAX RUST CLEANER	Dated 25/07/2024
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SAFETY DATA SHEET


According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

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

1.1. Product identifier	NanoPhos_GA_240820-004
Code: Product name	NANOMAX RUST CLEANER
UFI:	SHRV-80FC-1002-X4V6
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Intended use	Heavy-duty rust reducer in gel form, applicable even on vertical surfaces
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
Supplier:	Ioannis Arabatzis
1.4. Emergency telephone number	
For urgent questions, please contact	+30 210 7793777

SECTION 2. Hazard identification

2.1. Classification of the substance or mixture	
The product is classified as hazardous according to the provisions set out in Regulation (EC) 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 regarding health and/or environmental risks is provided in sections 11 and 12 of this sheet.	
Hazard classification and indications:	
Substance or mixture corrosive to metals, category 1	H290
Skin corrosion, category 1B	H314
Serious eye damage, category 1	H318
	May be corrosive to metals.
	Causes severe skin burns and serious eye damage.
	Causes serious eye damage.
2.2. Labeling elements	
Hazard labeling according to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and supplements.	
Hazard pictograms:	

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Signal words: Danger		
Hazard statements:		
H290	May be corrosive to metals.	
H314	Causes severe skin burns and serious eye damage.	
Precautionary statements:		
P260	Do not inhale smoke, mist or spray.	
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P303+P361+P353	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water [or take a shower].	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
P310	Call a POISON CENTER or doctor immediately.	
P264	Wash thoroughly with plenty of soap and water after handling.	
P321	Specific treatment (see ... on this label).	
P234	Keep only in the original packaging.	
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
P103	Read the label before use.	
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.	
P390	Absorb the spill to prevent damage	
the material.		
P301+P330+P331	Absorb the spill to prevent damage	
the material.		
P405	Store in a closed place.	
Contain:	Phosphoric acid	
Product not intended for uses provided for by Directive 2004/42/EC.		

2.3. Other hazards

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

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

SECTION 3. Composition/information on ingredients

3.2. Mixing		
Contain:		
Identification	x = Conc. % Classification (EC) 1272/2008 (CLP)	
Phosphoric acid		
INDEX 015-011-00-6	50 x < 70	Meth. Corr. 1 H290, Acute Tox. 4 H302, Skin Corr. 1B H314, Eye Dam. 1 H318, Classification note according to Annex VI to the CLP Regulation: B
EC 231-633-2		Meth. Corr. 1 H290: 20%, Skin Corr. 1B H314: 25%, Skin Irrit. 2 H315: 10% - < 25%, Eye Dam. 1 H318: 25%, Eye Irrit. 2 H319: 10% - < 25%
CAS 7664-38-2	ATE Oral: 500 mg/kg	

The full wording of the hazard (H) phrases is provided 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 medical help immediately.

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. Seek medical advice/attention.

SKIN: Remove all contaminated clothing immediately. Wash immediately and thoroughly with running water (and soap, if possible). Seek medical advice/attention. Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless specifically directed to do so by a physician. Rinse mouth with running water. Do not give anything by mouth to an unconscious person. Seek medical advice/attention.

INHALATION: Move 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 stops breathing, administer artificial respiration. 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 (PPE). 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 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

Immediately contact a POISON CENTER or doctor/physician.

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Means that must be 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 must be of 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 inhale combustion products.

5.3. Recommendations for firefighters

GENERAL INFORMATION
Use water jets to cool containers and prevent product decomposition and the development of substances potentially hazardous to health. Always wear full fire protection equipment. Collect fire extinguishing water to prevent it from entering the sewage system. Dispose of contaminated fire extinguishing water and fire debris in accordance with applicable regulations.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS Standard firefighting equipment, i.e. flame retardant suit (BS EN 469), gloves (BS EN 659) and boots (HO specifications A29 and A30), in combination with 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 Stop leak 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 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 and must not 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, checking section 10. Absorb the remainder with an inert absorbent material.
Ensure that the spill area is well ventilated. Contaminated material should be disposed of in accordance with the provisions set out in 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

Ensure there is an adequate grounding system for equipment and personnel.
Avoid contact with eyes and skin. Do not breathe dust, vapors or mist. Do not eat, drink or smoke when using. Wash hands after use. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store in a ventilated, dry place, away from sources of ignition. Keep containers tightly closed. Store product in clearly labeled containers. Avoid overheating. Avoid violent impacts. Keep containers away from any incompatible materials; see section 10 for details.

7.3. Specific end uses

Information unavailable

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Legislative references:

brothers	French	Valeurs limites d'exposition professionnelle aux agents chimiques en FranceDécret n° 2021-1849 du 28 December 2021
GRC	Greece	ý.ý. 26/2020 (ýýý 50/ý` 6.3.2020) Harmonization of Greek legislation to the provisions of the directives 2017/2398/Eý, 2019/130/ýý and 2019/983/ýý «for the amendment of Directive 2004/37/ýý the protection of workers from the risks associated with exposure to carcinogens or ýýýýýýýýýýýý 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	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
I	EU OEL	Directives (EU) 2022/431; Directives (EU) 2019/1831; Directives (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directives (EU) 2017/164; Directives 2009/161/EU; Directives 2006/15/EC; DIRECTIVES 2004/37/EC; Directives 2000/39/EC; Directives 98/24/EC; Directives 91/322/EEC.
	TLV-ACGIH	ACGIH 2023

PHOSPHORIC ACID

Exposure Limit Value (ELV)

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
VLEP	brothers	1	0.2	2	0.5	
TLV	GRC	1		3		
TLV	red	1		2		
WEL	GBR	1		2		
steel	I	1		2		
TLV-ACGIH		1		3		

Health - Derived No-Effect Level (DNEL) Effect Level) - DNEL / DMEL								
Route of exposure	Effects on CONSUMER				Effects on working-class			
	Acute local	Acute systemic	Chronic local	Chronic system	Acute local	Acute systematic	Chronic local	Systematic chronic
Inhalation			0.73 mg/m3		2 mg/m3		1mg/m3	

Legend:

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<p>(C) = MAXIMUM LIMIT; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction. VND = hazard identified, but no DNEL/PNEC available; NEA = no exposure expected; NPI = no hazard identified; LOW = low hazard; MED = medium hazard; HIGH = high hazard.</p> <p>8.2. Exposure controls</p> <p>Since 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. When choosing personal protective equipment, seek advice from the chemical supplier. Personal protective equipment should be CE marked, indicating that it complies with applicable standards. Provide an emergency shower with face and eye wash station.</p> <p>HAND PROTECTION Protect your hands with category III work gloves. The following must be considered when choosing the material for work gloves (see standard EN 374): compatibility, degradation, permeation time. The resistance of gloves to chemical agents should be checked before use, as it can be unpredictable. The wearing time of gloves depends on the duration and type of use.</p> <p>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.</p> <p>EYE PROTECTION Wear tight-fitting safety goggles (see standard EN ISO 16321).</p> <p>RESPIRATORY PROTECTION Respiratory protection devices must be used if the technical measures adopted are not adequate to restrict the worker's exposure to the limit values considered. Use a mask with a type B filter, 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 is odourless or if 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 standard EN 137) or an external air supply breathing apparatus (according to standard EN 138). For the correct choice of respiratory protective device, refer to the EN 529 standard.</p> <p>ENVIRONMENTAL EXPOSURE CONTROL Emissions generated by manufacturing processes, including those generated by ventilation equipment, must be verified to ensure compliance with environmental standards.</p>		
SECTION 9. Physical and chemical properties		
9.1. Information on basic physical and chemical properties		
property appearance	Liquid value	Information
Color	Whitish	
Smell	not available	
Melting point/freezing point	not available	
Initial boiling point	not available	
FLASH	not available	
Lower explosion limit	not available	
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Upper explosion limit	not available	
Flash point	> 60 °C	
Autoignition temperature	not available	
pH decomposition temperature	not available	
	0.3	
Kinetic viscosity	is not available	
Solubility	is not available	
Partition coefficient: n-octanol/water	not available	
Vapor pressure	is not available	
Density and/or relative density	is not available	
Relative vapor density	is not available	
Particle characteristics	does not apply	
9.2. Other information		
9.2.1. Information on physical hazard classes		
Information unavailable		
9.2.2. Other safety 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.		
Phosphoric acid		
Decomposes at temperatures above 200°C/392°F.		
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.		
Phosphoric acid		
Risk of explosion on contact with: nitromethane.		
May react dangerously with: alkalis, sodium borohydride.		
10.4. Conditions to avoid		
None in particular. However, the usual precautions for chemical products should be observed.		
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10.5. Incompatible materials		
Phosphoric acid		
Incompatible with: metals, strong alkalis, aldehydes, organic sulfides, peroxides.		
10.6. Hazardous decomposition products		
Phosphoric acid		
May develop: phosphorus oxides.		
SECTION 11. Toxicological information		
In the absence of experimental data for the product itself, health risks 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 consider the concentration of the individual hazardous substances indicated in section 3 to assess the toxic effects of exposure to the product.		
11.1. Information on hazard classes as defined in Regulation (EC) No. 1272/2008		
<u>Metabolism, toxicokinetics, mechanism of action and other information</u>		
Information unavailable.		
<u>Information on possible routes of exposure</u>		
Information unavailable.		
<u>Delayed and immediate effects, as well as chronic effects following exposure</u>		
short and long term		
Information unavailable.		
<u>Interacting effects</u>		
Information unavailable.		
<u>ACUTE TOXICITY</u>		
ATE (Inhalation) of the mixture: Not classified (no significant components)		
ATE (Oral) of the mixture: >2000 mg/kg		
ATE (Dermal) of the mixture: Not classified (no significant components)		
PHOSPHORIC ACID		
LD50 (Dermal): 2740 mg/kg Rabbit		
LD50 (Oral): 1530 mg/kg Mice		
ATE (Oral): 500 mg/kg estimated from table 3.1.2 of Annex I to the CLP Regulation		
(widely used for calculating the estimate of the acute toxicity of the mixture)		
LC50 (Inhalation, mist/dust): > 0.85 mg/l/1h Mice		
<u>SKIN CORROSION/IRRITATION</u>		
Corrosive to skin		
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<div>Classification according to experimental pH value</div> <div>SERIOUS EYE DAMAGE / IRRITATION</div> <div>Causes serious eye damage</div> <div>RESPIRATORY OR EYE SENSITIZATION</div> <div>leather</div> <div>Does not meet the classification criteria for this class</div> <div>of danger</div> <div>GERM CELL MUTAGENICITY</div> <div>Does not meet the classification criteria for this class</div> <div>of danger</div> <div>carcinogen</div> <div>Does not meet the classification criteria for this class</div> <div>of danger</div> <div>REPRODUCTIVE TOXICITY</div> <div>Does not meet the classification criteria for this class</div> <div>of danger</div> <div>STOT - SINGLE EXPOSURE</div> <div>Does not meet the classification criteria for this class</div> <div>of danger</div> <div>STOT - REPEATED EXPOSURE</div> <div>Does not meet the classification criteria for this class</div> <div>of danger</div> <div>ASPIRATION HAZARD</div> <div>Does not meet the classification criteria for this class</div> <div>of danger</div> <div>11.2. Information on other hazards</div> <div>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.</div> <div>SECTION 12. Ecological information</div> <div>Use this product in accordance with best practice. Avoid random disposal. Inform the competent authorities if the product enters waterways or contaminates soil or vegetation.</div> <div>12.1. Toxicity</div>		

Information unavailable

12.2. Persistence and degradability

PHOSPHORIC ACID

Solubility in water: > 850000 mg/l

Degradability: information unavailable

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12.3. Bioaccumulative potential

Information unavailable

12.4. Mobility in soil

Information unavailable

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 listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information unavailable

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Recycling is possible, where appropriate. Product residues must be considered special hazardous waste. The hazard level of waste containing this product must be assessed according to applicable regulations.
Disposal must be carried out by an authorised waste management company in accordance with national and local regulations. Transport of waste may be subject to ADR restrictions.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of according to national waste management regulations.

SECTION 14. Transport information

14.1. UN number or identification number

ADR / RID, IMDG, IATA: UN 1805

14.2. UN proper shipping name

ADR/RID: PHOSPHORIC ACID, SOLUTION
IMDG: PHOSPHORIC ACID, SOLUTION
BEHOLD: PHOSPHORIC ACID, SOLUTION

14.3. Transport hazard class

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ADR/RID: Grade: 8 Labels: 8

IMDG: Grade: 8 Labels: 8

BEHOLD: Grade: 8 Labels: 8



14.4. Packing group

ADR / RID, IMDG, IATA: III

14.5. Environmental hazards

ADR / RID: NO

IMDG: It is not a marine pollutant

BEHOLD: NO

14.6. Special precautions for the user

ADR/RID:	HIN - Kemler: 80	Amount Limited: 5 It	Code restriction tunnel: (E)
IMDG:	Special provision: - EMS: FA, SB	Amount Limited: 5 It	
BEHOLD:	Cargo:	Maximum quantity: 60 L	Instructions packaging: 856
	Passengers:	Maximum quantity: 5 L	Instructions packaging: 852
	Special provision:	A3, A803	

14.7. Bulk maritime transport according to IMO instruments

Irrelevant information

SECTION 15. Regulatory Information

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

Seveso Category - Directive 2012/18/EU: No category

Restrictions related to the product or the substances contained according to Annex XVII of the EC Regulation

1907/2006

Product

Point 3

Substance contained

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Point

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

explosives precursors: Not applicable

Substances from the Candidate List (Art. 59 REACH):

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

Substances subject to authorization (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 have to undergo health checks.

health, provided that the available risk assessment data

demonstrate that risks to workers' health and safety are reduced

and that Directive 98/24/EC is complied with.

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 phrases) mentioned in sections 2-3 of the sheet:

Meth. Corr. 1
Acute Tox. 4
Skin Corr. 1B
Skin Corr. 1C
Skin Corr. 1
Eye Dam. 1
Eye Irritation.
2 Skin Irritation. 2

H290

H302

H314

Substance or mixture corrosive to metals, category 1
Acute toxicity, category 4
Skin corrosion, category 1B
Skin corrosion, category 1C
Skin corrosion, category 1
Serious eye damage, category 1
Eye irritation, category 2
Skin irritation, category 2

May be corrosive to metals.
Harmful if swallowed.
Causes severe skin burns and eye damage.

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H318	Causes serious eye damage.
H319	Causes serious eye damage.
H315	Causes skin irritation.

LEGEND:

- ADR: European Agreement concerning the Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- EC50: Effective concentration (necessary to induce a 50% effect)
- CE: Identifier in ESIS (European Archive of Existing Substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Service
- GHS: Globally Harmonized 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
- 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: Exposure Limit Value
- TLV CEILING: Concentration that should not be exceeded at any time during occupational exposure
- TWA: Time Weighted Average 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 (in German)

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)

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

The Merck Index. - 10th edition

Chemical Handling Safety

NRS - Fiche Toxicologique (toxicology sheet)

Patty - Industrial Hygiene and Toxicology

NI Sax - Dangerous Properties of Industrial Materials - 7th edition, 1989

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 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, under their own responsibility, comply with the laws and regulations in force regarding health and safety. The manufacturer is exempt from any liability that may arise from improper use.

Provide designated personnel with adequate 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 the calculation methods according to 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 according to Annex I to CLP, Part 4, unless otherwise stated in Section 12.

Changes from the previous review:

The following sections were modified: 02 / 03 / 11.