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OIKOS S.P.A. A SOCIO UNICO ECOPROTETTIVO FERRO

Safety Data Sheet

Revision nr.9 Dated 14/12/2022 Printed on 14/12/2022 Page n. 1 / 11 Replaced revision:8 (Dated 30/07/2020)

According to Annex II to REACH - Regulation 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 **ECOPROTETTIVO FERRO** Product name 1.2. Relevant identified uses of the substance or mixture and uses advised against Intended use Transparent, water based coating for the protection of metal surfaces. Uses advised against Uses other than those indicated 1.3. Details of the supplier of the safety data sheet **OIKOS S.P.A. A SOCIO UNICO** Name Full address Via Cherubini 2 District and Country 47043 **Gatteo Mare** (FC) Italia 0547 681412 Tel. 0547 681430 Fax e-mail address of the competent person responsible for the Safety Data Sheet certificazioniprodotti@oikos-group.it 1.4. Emergency telephone number **NHS National Health Service 111** For urgent inquiries refer to OIKOS S.P.A. a socio unico Company emergency number: 0547 681412 Technical support - Monday to Friday from 8.00-13.00; 13:30 to 16:30 **SECTION 2. Hazards identification** 2.1. Classification of the substance or mixture The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2020/878. Hazard classification and indication: 2.2. Label elements Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements. Hazard pictograms: Signal words: Hazard statements: EUH210 Safety data sheet available on request. EUH208 1,2-benzisothiazol-3(2H)-one Contains: May produce an allergic reaction. Precautionary statements: ---VOC (Directive 2004/42/EC) : Interior / exterior trim and cladding paints for wood, metal or plastic. VOC given in g/litre of product in a ready-to-use condition : 55,00 Limit value: 130,00 @EPY 11.4.1 - SDS 1004.14



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SECTION 2. Hazards identification ... / >>

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration $\geq 0.1\%$.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc.	% Cl	assification (EC) 1272/2008 (CLP)
(2-methoxyme	ethylethoxy)propand	bl	
INDEX		1,5 ≤ x < 2,5	Substance with a community workplace exposure limit.
EC	252-104-2		
CAS	34590-94-8		
REACH Reg.	01-2119450011-60		
1,2-benzisoth	iazol-3(2H)-one		
INDEX	613-088-00-6	0,044 ≤ x < 0,05	Acute Tox. 2 H330, Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411
EC	220-120-9		Skin Sens. 1 H317: ≥ 0.05%
CAS	2634-33-5		LD50 Oral: >490 mg/kg bw, STA Inhalation mists/powders: 0,051 mg/l, STA Inhalation vapours: 0,501 mg/l
REACH Reg.	01-2120761540-60		

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

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: 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 jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for



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health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification 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

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

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

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, 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 not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
ESP	España	Límites de exposición profesional para agentes químicos en España 2021
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OEL EU	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.

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SECTION 8. Exposure controls/personal protection/>>

			(2-	methoxymet	hylethoxy)prop	panol			
hreshold Limit V									
Туре	Country	TWA/8h		STEL/15	imin	Remarks /	Observations		
		mg/m3	ppm	mg/m3	ppm				
AGW	DEU	310	50	310	50				
MAK	DEU	310	50	310	50				
VLA	ESP	308	50			SKIN			
VLEP	FRA	308	50			SKIN			
VLEP	ITA	308	50			SKIN			
NDS/NDSCh	POL	240		480		SKIN			
WEL	GBR	308	50			SKIN			
OEL	EU	308	50			SKIN			
TLV-ACGIH			50						
redicted no-effe	ct concentrat	tion - PNE	C						
Normal value ir	n fresh water						19	mg/l	
Normal value ir	n marine water	•					1,9	mg/l	
Normal value for	or fresh water	sediment					70,2	mg/kg	
Normal value for	or marine wate	er sedimen	nt				7,02	mg/kg	
Normal value for	or water, interr	nittent rele	ease				190	mg/l	
Normal value o							4168	mg/l	
Normal value for			ment				2,74	mg/kg	
lealth - Derived r								0 0	
		ts on cons				Effects on wo	orkers		
Route of expos	ure Acute	e Ac	cute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
I	local		stemic	local	systemic	local	systemic	local	systemic
Oral	10001	J	otornio	VND	36		5		•
Oral	10021		Sternio		36		,		
	10041	39		VND	36 mg/kg bw/d		,	VND	308
Oral Inhalation	10001	39			36 mg/kg bw/d 37,2		,	VND	308 mg/m3
Inhalation	10041	J		VND VND	36 mg/kg bw/d 37,2 mg/m3		,		mg/m3
	iocai			VND	36 mg/kg bw/d 37,2 mg/m3 121			VND VND	mg/m3 283
Inhalation	iocai			VND VND	36 mg/kg bw/d 37,2 mg/m3				mg/m3 283 mg/kg
Inhalation				VND VND	36 mg/kg bw/d 37,2 mg/m3 121				mg/m3 283
Inhalation				VND VND	36 mg/kg bw/d 37,2 mg/m3 121				mg/m3 283 mg/kg
Inhalation				VND VND VND	36 mg/kg bw/d 37,2 mg/m3 121 mg/kg bw/d	ne			mg/m3 283 mg/kg
Inhalation Skin				VND VND VND	36 mg/kg bw/d 37,2 mg/m3 121	ne			mg/m3 283 mg/kg
Inhalation Skin Predicted no-effe	ct concentrat			VND VND VND	36 mg/kg bw/d 37,2 mg/m3 121 mg/kg bw/d	ne	-	VND	mg/m3 283 mg/kg
Inhalation Skin Predicted no-effe Normal value ir	ct concentrat	tion - PNE		VND VND VND	36 mg/kg bw/d 37,2 mg/m3 121 mg/kg bw/d	ne	4,03	VND µg/l	mg/m3 283 mg/kg
Inhalation Skin Predicted no-effe Normal value ir Normal value ir	ct concentra n fresh water n marine water	tion - PNE		VND VND VND	36 mg/kg bw/d 37,2 mg/m3 121 mg/kg bw/d	ne	4,03 403	VND µg/l ng/l	mg/m3 283 mg/kg
Inhalation Skin Predicted no-effe Normal value ir Normal value ir Normal value fo	ct concentra n fresh water n marine water or fresh water	t ion - PNE sediment	:C	VND VND VND	36 mg/kg bw/d 37,2 mg/m3 121 mg/kg bw/d	ne	4,03 403 49,9	VND µg/l ng/l µg/kg	mg/m3 283 mg/kg
Inhalation Skin Predicted no-effe Normal value ir Normal value ir Normal value fo Normal value fo	ct concentra n fresh water n marine water or fresh water or fresh water or marine wate	tion - PNE sediment er sediment	:C	VND VND VND	36 mg/kg bw/d 37,2 mg/m3 121 mg/kg bw/d	ne	4,03 403 49,9 4,99	VND µg/l ng/l µg/kg µg/kg	mg/m3 283 mg/kg
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Inhalation Skin Predicted no-effe Normal value ir Normal value ir Normal value fo Normal value of Normal value o Iealth - Derived r Route of expos	ct concentral a fresh water a marine water or fresh water or marine water f STP microor no-effect leve Effec ure Acute	tion - PNE sediment ganisms I - DNEL / ts on cons e Ac	C It 2 DMEL sumers soute	VND VND 1,2-benzisot	36 mg/kg bw/d 37,2 mg/m3 121 mg/kg bw/d chiazol-3(2H)-o	Effects on wo	4,03 403 49,9 4,99 1,03 orkers Acute	VND µg/l ng/l µg/kg µg/kg mg/l Chronic	mg/m3 283 mg/kg bw/d Chronic systemic 6,81 mg/m3 966
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Inhalation Skin Predicted no-effe Normal value in Normal value in Normal value fo Normal value of Normal value of Normal value of Route of expos Inhalation	ct concentral a fresh water a marine water or fresh water or marine water f STP microor no-effect leve Effec ure Acute	tion - PNE sediment ganisms I - DNEL / ts on cons e Ac	C It 2 DMEL sumers soute	VND VND 1,2-benzisot	36 mg/kg bw/d 37,2 mg/m3 121 mg/kg bw/d chiazol-3(2H)-o	Effects on wo	4,03 403 49,9 4,99 1,03 orkers Acute	VND µg/l ng/l µg/kg µg/kg mg/l Chronic	mg/m3 283 mg/kg bw/d Chronic systemic 6,81 mg/m3 966

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability. The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

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SECTION 8. Exposure controls/personal protection .../>>

SKIN PROTECTION

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

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529. ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

PropertiesAppearanceColourOdourMelting point / freezing pointInitial boiling pointFlammabilityLower explosive limitUpper explosive limitFlash pointAuto-ignition temperatureDecomposition temperaturepHKinematic viscosityDynamic viscositySolubilityPartition coefficient: n-octanol/waterVapour pressureDensity and/or relative densityRelative vapour densityParticle characteristics	> 100 not fl not a not a not a not a 8-9 not a 1000 Mixal not a 1 not a	d vole °C lammable pplicable pplicable pplicable pplicable vailable		Information
9.2. Other information				
9.2.1. Information with regard to physical hazaInformation not available9.2.2. Other safety characteristics	ard classes			
VOC (Directive 2004/42/EC) : VOC (volatile carbon) Explosive properties Oxidising properties	2,34 not a	% - 72,09 % - 23,39 Ipplicable Ipplicable	g/litre g/litre	

SECTION 10. Stability and reactivity

10.1. Reactivity

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

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SECTION 10. Stability and reactivity ... / >>

(2-methoxymethylethoxy)propanol Forms peroxides with: air.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

(2-methoxymethylethoxy)propanol

May react violently with: strong oxidising agents.

10.4. Conditions to avoid

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

(2-methoxymethylethoxy)propanol

Avoid exposure to: sources of heat.Possibility of explosion.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

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

Information not available

Information on likely routes of exposure

Information not available

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

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation - mists / powders) of the mixture:	
ATE (Oral) of the mixture:	
ATE (Dermal) of the mixture:	

(2-methoxymethylethoxy)propanol LD50 (Dermal): LD50 (Oral): LC50 (Inhalation vapours):

1,2-benzisothiazol-3(2H)-one LD50 (Dermal): LD50 (Oral):

SKIN CORROSION / IRRITATION

> 5 mg/l Not classified (no significant component) Not classified (no significant component)

9510 mg/kg rabbit > 5000 mg/kg rat 275 mg/l/7h rat

2000 mg/kg bw (rat) > 490 mg/kg bw 490-670 (rat)

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SECTION 11. Toxicological information .../>>

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 SENSITISATION

May produce an allergic reaction. Contains: 1,2-benzisothiazol-3(2H)-one

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 human health effects under evaluation.

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

(2-methoxymethylethoxy)propanol LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants	> 1000 mg/l/96h Poecilia reticulata 1919 mg/l/48h 6999 mg/l/72h Skeletonema costatum
1,2-benzisothiazol-3(2H)-one LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants Chronic NOEC for Algae / Aquatic Plants	> 2,15 mg/l 2,15-22 > 2,9 mg/l 2,9-2,94 > 70 µg/l 70-150 > 40,3 µg/l 40-55
12.2. Persistence and degradability	
(2-methoxymethylethoxy)propanol Solubility in water Rapidly degradable	1000 - 10000 mg/l
1,2-benzisothiazol-3(2H)-one Rapidly degradable	

SECTION 12. Ecological information ... / >>

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

12.6. Endocrine disrupting properties

Based on the 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 not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number or ID 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 user

not applicable

14.7. Maritime transport in bulk 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 contained substances pursuant to Annex XVII to EC Regulation 1907/2006 Contained substance
Point 75
Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors not applicable
Substances in Candidate List (Art. 59 REACH) On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%.
Substances subject to authorisation (Annex XIV REACH) None
Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012: None
Substances subject to the Rotterdam Convention: None
Substances subject to the Stockholm Convention: None
Healthcare controls Information not available
VOC (Directive 2004/42/EC) : Interior / exterior trim and cladding paints for wood, metal or plastic.
German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017) WGK 1: Low hazard to waters

15.2. Chemical safety assessment

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

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)

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... / >> **SECTION 16. Other information**

- CE: Identifier in ESIS (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 labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- 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 as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (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 (II Annex of 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 (UE) 2018/1480 (XIII Atp. CLP)
- 17. Regulation (EU) 2019/1148
- 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
- 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
- 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- 22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. 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 for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.



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SECTION 16. Other information ... / >>

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review: The following sections were modified: 02 / 03 / 04 / 06 / 07 / 08 / 09 / 11 / 12 / 15 / 16.