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Safety Data Sheet

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

CONVERTITORE ECOLOGICO Product name

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

Intended use Water based product for the neutralising of rust and for transforming it into an

inert paintable surface.

Uses advised against Uses other than those indicated

1.3. Details of the supplier of the safety data sheet

Name **OIKOS S.P.A. A SOCIO UNICO**

Full address Via Cherubini 2

District and Country 47043 **Gatteo Mare** (FC)

Italia

Tel. 0547 681412 Fax 0547 681430

e-mail address of the competent person

responsible for the Safety Data Sheet certificazioniprodotti@oikos-group.it

1.4. Emergency telephone number

For urgent inquiries refer to **NHS National Health Service 111**

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.

Precautionary statements:

VOC (Directive 2004/42/EC): One - pack performance coatings.

VOC given in g/litre of product in a ready-to-use condition : 15,00 Limit value: 140,00

@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 ≥ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

FC

Identification Classification (EC) 1272/2008 (CLP) x = Conc. %

OXALIC ACID

INDEX 607-006-00-8 $2.5 \le x < 3.5$ Acute Tox. 4 H302, Acute Tox. 4 H312

> 205-634-3 STA Oral: 500 mg/kg, STA Dermal: 1100 mg/kg

CAS 144-62-7 2-butoxyethanol

603-014-00-0 Acute Tox. 3 H331, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315 INDEX $1,5 \le x < 2,5$

LD50 Oral: 1200 mg/kg, STA Inhalation mists/powders: 0,501 mg/l EC 203-905-0

CAS 111-76-2 REACH Reg. 01-2119475108-36

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

Not specifically necessary. Observance of good industrial hygiene is recommended.

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 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).



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SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use breathing equipment if fumes or powders are released into the air. 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

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. 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.

7.2. Conditions for safe storage, including any incompatibilities

Keep the product in clearly labelled containers. 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.
	TLV-ACGIH	ACGIH 2021



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SECTION 8. Exposure controls/personal protection

	/	>	>

				OXA	LIC ACID				
Threshold Limit \	/alue			370					
Type	Country	TWA/8h		STEL/15	Smin	Remarks	/ Observations		
Турс	Country	mg/m3	ppm	mg/m3	ppm	rtomanto	/ Observations		
AGW	DEU	1	ppiii	1	ppiii	INHAL			
AGW	DEU	1		1		SKIN			
VLA	ESP	1							
VLEP	FRA	1							
VLEP	ITA	1							
NDS/NDSCh	POL	1		2					
WEL	GBR	1		2					
OEL	EU	1							
TLV-ACGIH		1		2					
Predicted no-effe	ct concentr	ation - PNEC	;						
Normal value ir	n fresh water						0,16	mg/l	
Normal value ir	n marine wat	er					0,16	mg/l	
Normal value o	f STP micro	organisms					1,55	g/l	
Health - Derived i	no-effect lev	el - DNEL / I	DMEL						
	Effe	cts on consu	mers			Effects on v	workers		
Route of expos	ure Acu	te Acu	ıte	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	loca	al sys	temic	local	systemic	local	systemic	local	systemic
Inhalation	NPI	NP		NPI	0,466	NPI	NPI	NPI	3,11
					mg/m3				mg/m3
Skin	NPI	NP		NPI	0,315	NPI	NPI	NPI	0,882
					mg/kg bw/d				mg/kg
									bw/d

				2-buto	xyethanol				
hreshold Limit V									
Type	Country	TWA/8h		STEL/15min		Remarks / Observations			
		mg/m3	ppm	mg/m3	ppm				
AGW	DEU	49	10	98	20				
MAK	DEU	49	10	98	20	SKIN	Hinweis		
VLA	ESP	98	20	245	50	SKIN			
VLEP	FRA	49	10	246	50	SKIN			
VLEP	ITA	98	20	246	50	SKIN			
NDS/NDSCh	POL	98		200		SKIN			
WEL	GBR	123	25	246	50	SKIN			
OEL	EU	98	20	246	50	SKIN			
redicted no-effe	ct concentra	ation - PNE	С						
Normal value in	fresh water						8,8	mg/l	
Normal value in marine water							26,4	mg/l	
Normal value for fresh water sediment							34,6	mg/kg	
Normal value for marine water sediment							3,46	mg/kg	
Normal value for	or water, inte	rmittent rele	ase				0,88	mg/l	
Normal value of	f STP microc	organisms					463	mg/l	
Normal value for the terrestrial compartment							2,33	mg/kg	
ealth - Derived r	no-effect lev	el - DNEL /	DMEL					0 0	
Effects on consumers					Effects on w	orkers			
Route of expos	ure Acu	te Ac	ute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
<u>'</u>	loca	ıl sy:	stemic	local	systemic	local	systemic	local	systemic
Oral		26			6,3		•		•
			, g/kg bw/d		mg/kg bw/d				
Inhalation	147	42	, ,	NPI	59	246	1091	NPI	98
	mg/	m3 mo	g/m3		mg/m3	mg/m3	mg/m3		mg/m3
Skin	<u> </u>	89		NPI	75		89	NPI	125
		mo	g/kg bw/d		mg/kg bw/d		mg/kg		mg/kg
			,				bw/d		bw/d

Legend:

(C) = CEILING ; 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.

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.



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SECTION 8. Exposure controls/personal protection

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.

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.

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.

FYF 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.

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

pasty liquid

not available

10 cps

SECTION 9. Physical and chemical properties

ENVIRONMENTAL EXPOSURE CONTROLS

9.1. Information on basic physical and chemical properties

Properties Value

Appearance Colour White and the colour chart

shades

Feeble Odour Melting point / freezing point not available °C Initial boiling point 100 Flammability not flammable not applicable Lower explosive limit

Upper explosive limit not applicable °C Flash point not applicable Auto-ignition temperature not available

Decomposition temperature

Kinematic viscosity

Dynamic viscosity

Solubility Mixable in water Partition coefficient: n-octanol/water not available

not available Density and/or relative density 1,02 Relative vapour density not available

Vapour pressure

Particle characteristics not applicable

9.2 Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

VOC (Directive 2004/42/EC): 1,50 % - 15,30 g/litre

Explosive properties not applicable Oxidising properties not applicable

@EPY 11.4.1 - SDS 1004.14



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SECTION 10. Stability and reactivity

10.1. Reactivity

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

OXALIC ACID

Decomposes at temperatures above 157°C/315°F.

Saturated aqueous solutions (15%) behave like medium-strong acids.

2-butoxyethanol

Decomposes under the effect of heat.

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.

ΟΧΑΙ ΙΟ ΔΟΙΟ

May form explosive mixtures with: oxidising substances.Reacts violently developing heat on contact with: alkaline metals,ammonia,mercury,furfuryl alcohol,chlorates,hypochlorites.Risk of explosion on contact with: sodium chlorite,silver.

2-butoxyethano

May react dangerously with: aluminium, oxidising agents. Forms peroxides with: air.

10.4. Conditions to avoid

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

2-butoxyethanol

Avoid exposure to: sources of heat,naked flames.

10.5. Incompatible materials

OXALIC ACID

Incompatible with: strong oxidants, metals, alkaline metals, furfurylic acid, chlorine compounds.

10.6. Hazardous decomposition products

OXALIC ACID

May develop: carbon oxides.

2-butoxyethanol

May develop: hydrogen.

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



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SECTION 11. Toxicological information .../>>

ATE (Inhalation - mists / powders) of the mixture: > 5 mg/l
ATE (Oral) of the mixture: >2000 mg/kg
ATE (Dermal) of the mixture: >2000 mg/kg

OXALIC ACID

LD50 (Dermal): 20000 mg/kg Rabbit

STA (Dermal): 1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP

(figure used for calculation of the acute toxicity estimate of the mixture)

LD50 (Oral): 9,5 ml/kg Rat

STA (Oral): 500 mg/kg estimate from table 3.1.2 of Annex I of the CLP

(figure used for calculation of the acute toxicity estimate of the mixture)

2-butoxyethanol

LD50 (Oral): 1200 mg/kg Guinea pig

LC50 (Inhalation vapours): 3 mg/l/4h Rat STA (Inhalation mists/powders): 0,501 mg/l

(figure used for calculation of the acute toxicity estimate of the mixture)

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 SENSITISATION

Does not meet the classification criteria for this hazard class

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



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SECTION 12. Ecological information .../>>

OXALIC ACID

162,2 mg/l/48h EC50 - for Crustacea 21,35 mg/l/72h EC50 - for Algae / Aquatic Plants

2-butoxyethanol

I C50 - for Fish 1464 mg/l/96h EC50 - for Crustacea 1800 mg/l/48h 1840 mg/l/72h EC50 - for Algae / Aquatic Plants EC10 for Algae / Aquatic Plants 679 mg/l/72h Chronic NOEC for Fish 100 mg/l 21 days Chronic NOEC for Crustacea 100 mg/l 21 days Chronic NOEC for Algae / Aquatic Plants 286 mg/l 72 h

12.2. Persistence and degradability

OXALIC ACID

Solubility in water 100 g/l

Rapidly degradable

2-butoxyethanol

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

12.3. Bioaccumulative potential

OXALIC ACID

Partition coefficient: n-octanol/water -1,7

2-butoxyethanol

0,81 Partition coefficient: n-octanol/water

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 ≥ 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

@EPY 11.4.1 - SDS 1004.14

ΕN



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SECTION 14. Transport information .../>>

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

Savosa Catagory Directive 2012/18/ELL

15.1. Safety,	health and enviro	onmental regulation	ns/legislation spe	ecific for th	ne substance o	r mixture
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Sevesu Category - Directive 2012/10/EU.
Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006
Contained substance Point 75
Point 75
Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors
not applicable
Outstand in Our Hilds List (Ad. 50 REAOU)
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%.
On the basis of available data, the product does not contain any 5 vnc in percentage 2 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
information not available
VOC (Directive 2004/42/EC):
One - pack performance coatings.
German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)

Nono

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.



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SECTION 16. Other information

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

Acute Tox. 3
Acute Tox. 4
Acute toxicity, category 3
Acute Tox. 4
Eye Irrit. 2
Skin Irrit. 2
H331
H302
Acute toxicity, category 4
Eye irritation, category 2
Skin irritation, category 2
Toxic if inhaled.
Harmful if swallowed.

H312 Harmful in contact with skin.
H319 Causes serious eye irritation.
H315 Causes skin irritation.

EUH210 Safety data sheet available on request.

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)
- 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)



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- 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.

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 / 08 / 09 / 11 / 12 / 15 / 16.