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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

AGGRAPPANTE ECOLOGICO Product name

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

Intended use Water based primer that allows the coating of glossy surfaces and surfaces that

are difficult to adhere to.

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:

FUH210 Safety data sheet available on request.

EUH208 Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one[EC no. 247-500-7] and

2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

1,2-benzisothiazol-3(2H)-one

May produce an allergic reaction.

Precautionary statements:

VOC (Directive 2004/42/EC):

One - pack performance coatings.



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SECTION 2. Hazards identification .../>>

VOC given in g/litre of product in a ready-to-use condition : 60,00 Limit value: 140,00

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:

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

TALC

INDEX $1,5 \le x < 2,5$ Acute Tox. 4 H332, STOT SE 3 H335EC238-877-9STA Inhalation mists/powders: 1,5 mg/l

CAS 14807-96-6 1,2-benzisothiazol-3(2H)-one

INDEX 613-088-00-6 0,034 ≤ x < 0,04 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

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one[EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6]

(3:1)

INDEX 613-167-00-5 0,0014 \leq x < 0,00145 Acute Tox. 1 H330, Acute Tox. 2 H310, Acute Tox. 3 H301, Skin Corr. 1B

H314, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=100,

Aquatic Chronic 1 H410 M=100

EC Skin Corr. 1C H314: ≥ 0,6%, Skin Irrit. 2 H315: ≥ 0,06%, Skin Sens. 1 H317: ≥

0,0015%, Eye Irrit. 2 H319: ≥ 0,6%

CAS 55965-84-9 LD50 Oral: >64 mg/kg bw, STA Dermal: 50,001 mg/kg, STA Inhalation

vapours: 0,05 mg/l

REACH Reg. 01-2120764691-48

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 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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



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SECTION 5. Firefighting measures .../>>

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).

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



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SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

ESP España Límites de exposición profesional para agentes químicos en España 2021

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)

TLV-ACGIH ACGIH 2021

					ΓALC			
Threshold Limit Value								
Type	Country	TWA/8h		STEL/15r	min	Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
VLA	ESP	2				RESP		
NDS/NDSCh	POL	4				INHAL		
NDS/NDSCh	POL	1				RESP		
WEL	GBR	1				RESP		
TLV-ACGIH		2				RESP		

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one[EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

Predicted no-effect concentration - PNEC		
Normal value in fresh water	3,39 μς	g/l
Normal value in marine water	3,39 μς	g/l
Normal value for fresh water sediment	27 μς	g/kg
Normal value for marine water sediment	27 μς	g/kg
Normal value of STP microorganisms	230 µc	ا/د

Normal value of 611 microorganisms							200	μg/i		
ı	Health - Derived no-effe	ect level - D	NEL / DMEL							
		Effects on	consumers			Effects on workers				
	Route of exposure	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic	
		local	systemic	local	systemic	local	systemic	local	systemic	
	Oral		110		90					
			μg/kg bw/d		μg/kg bw/d					
	Inhalation	40	NPI	20	NPI	40	NPI	20	NPI	
		µg/m3		μg/m3		μg/m3		μg/m3		
	Skin		NPI	NPI	NPI		NPI	NPI	NPI	

			1,2-benzisc	thiazol-3(2H)-o	ne			
Predicted no-effect co	ncentration	- PNEC						
Normal value in fresh	water					4,03	μg/l	
Normal value in marine water						403	ng/l	
Normal value for fres	h water sed	iment				49,9	μg/kg	
Normal value for mar	ediment				4,99	μg/kg		
Normal value of STP	isms				1,03	mg/l		
lealth - Derived no-eff	ect level - D	ONEL / DMEL						
	Effects o	n consumers			Effects on w	orkers		
Route of exposure	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Inhalation				1,2				6,81
				mg/m3				mg/m3
Skin				345				966
				μg/kg bw/d				μg/kg
								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



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SECTION 8. Exposure controls/personal protection

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.

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 B 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

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

Properties Information Value

Appearance pasty liquid Colour

White and the colour chart

shades Feeble Odour Melting point / freezing point not available Initial boiling point 100 °C

Flammability not flammable Lower explosive limit not applicable Upper explosive limit not applicable Flash point 60 °C Auto-ignition temperature not applicable

not available Decomposition temperature 8,5-9,5 Kinematic viscosity not available Dynamic viscosity 5000 cps soluble in water Solubility Partition coefficient: n-octanol/water not available

not available Vapour pressure Density and/or relative density 1,18 Relative vapour density not available 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): 3,49 % - 41,22 g/litre

@EPY 11.4.1 - SDS 1004.14





g/litre

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SECTION 9. Physical and chemical properties

VOC (volatile carbon) Explosive properties Oxidising properties

0,08 % - 0,93 not applicable not applicable

SECTION 10. Stability and reactivity

10.1. Reactivity

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

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.

10.4. Conditions to avoid

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

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: Not classified (no significant component) ATE (Dermal) of the mixture: Not classified (no significant component)

TALC

STA (Inhalation mists/powders): 1,5 mg/l estimate from table 3.1.2 of Annex I of the CLP

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



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SECTION 11. Toxicological information .../>>

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one[EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6]

(3:1)

LD50 (Dermal): 1008 mg/kg bw (rat)

50,001 mg/kg estimate from table 3.1.2 of Annex I of the CLP STA (Dermal):

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

I D50 (Oral): > 64 mg/kg bw 64-561 (rat) LC50 (Inhalation vapours): > 171 mg/m3 171-2360 (rat)

1,2-benzisothiazol-3(2H)-one

2000 mg/kg bw (rat) LD50 (Dermal):

LD50 (Oral): > 490 mg/kg bw 490-670 (rat)

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

May produce an allergic reaction.

Contains:

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) 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

Chronic NOEC for Crustacea

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

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one[EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

LC50 - for Fish > 190 µg/l 190-330 EC50 - for Crustacea $> 7 \mu g/I 7-160$ EC50 - for Algae / Aquatic Plants > 6,3 µg/l 6,3-27,3 46,4 µg/l 35 days Chronic NOEC for Fish

> 111 µg/l 11.1-1050





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SECTION 12. Ecological information .../>>

1,2-benzisothiazol-3(2H)-one

LC50 - for Fish > 2,15 mg/l 2,15-22 EC50 - for Crustacea > 2,9 mg/l 2,9-2,94 EC50 - for Algae / Aquatic Plants > 70 μg/l 70-150 Chronic NOEC for Algae / Aquatic Plants > 40,3 μg/l 40-55

12.2. Persistence and degradability

TALC

Solubility in water < 0,1 mg/l

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one[EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) Rapidly degradable

1,2-benzisothiazol-3(2H)-one Rapidly degradable

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 ≥ 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





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SECTION 14. Transport information .../>>

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 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) Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012: Substances subject to the Rotterdam Convention: Substances subject to the Stockholm Convention: None Healthcare controls 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)

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:

Acute Tox. 1	Acute toxicity, category 1
Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Skin Irrit. 2	Skin irritation, category 2



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SECTION 16. Other information .../>>

STOT SE 3 Specific target organ toxicity - single exposure, category 3

Skin sensitization, category 1 Skin Sens. 1

Hazardous to the aquatic environment, acute toxicity, category 1 Aquatic Acute 1 **Aquatic Chronic 1** Hazardous to the aquatic environment, chronic toxicity, category 1 **Aquatic Chronic 2** Hazardous to the aquatic environment, chronic toxicity, category 2

H330 Fatal if inhaled Fatal in contact with skin. H310 H330 Fatal if inhaled H301 Toxic if swallowed. H302 Harmful if swallowed H332 Harmful if inhaled.

Causes severe skin burns and eye damage. H314

H318 Causes serious eye damage. H315 Causes skin irritation.

H335 May cause respiratory irritation. May cause an allergic skin reaction. H317

Very toxic to aquatic life. H400

Very toxic to aquatic life with long lasting effects. H410 H411 Toxic to aquatic life with long lasting effects. **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
- TI V. 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)



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SECTION 16. Other information .../>>

- 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.

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.