

T32 - Antibacter

Revision nr.7 Dated 25/02/2022 Printed on 25/02/2022 Page n. 1 / 13 Replaced revision:6 (Dated 03/11/2021)

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

Code: T32 Product name **Antibacter**

R030-N0KR-P00H-T2EJ

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

Ready to use disinfectant detergent. Medical surgical facility - Ministry of Health Intended use

Reg. No. 20051

Identified Uses	Industrial	Professional	Consumer
Biocides	-	PC: 8.	
			-
Biocides	-	-	PC: 8.
Lloca Advised Against			

Uses Advised Against

Any use other than the identified uses

1.3. Details of the supplier of the safety data sheet

FIRMA SRI Name

Full address **VIA PER MODENA, 28**

CORREGGIO (RE) District and Country 42015

IT

Tel. 0522 691880 0522 631277 Fax

e-mail address of the competent person

responsible for the Safety Data Sheet SDS@FIRMACHIMICA.IT

FIRMA SRL Supplier:

1.4. Emergency telephone number

For urgent inquiries refer to Tel. 0039 0522 691880 Office hours: 08.30 - 12.30, 14.00 - 18.00

Tel. 0039 0522 036527 other times - laboratorio@firmachimica.it

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Causes serious eve irritation. Eye irritation, category 2 H319 Skin irritation, category 2 H315 Causes skin irritation.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:





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SECTION 2. Hazards identification .../>>

Signal words: Warning

Hazard statements:

H319 Causes serious eye irritation.
H315 Causes skin irritation.

Precautionary statements:

P280 Wear protective gloves / clothing and face protection.
P302+P352 IN CASE OF CONTACT WITH SKIN: wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P314 Get medical advice / attention if you feel unwell.

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)

2-BUTOXYETHANOL

CAS 111-76-2 $10 \le x < 15$ Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Eye Irrit. 2 H319,

Skin Irrit. 2 H315

EC 203-905-0 LD50 Oral: 1300 mg/kg, STA Dermal: 1100 mg/kg, STA Inhalation vapours:

11 mg/l

INDEX 603-014-00-0 REACH Reg. 01-2119475108-36 CLORURO DI DIDECILMETILAMMONIO

CAS 7173-51-5 0,1 ≤ x < 1 Acute Tox. 3 H301, Skin Corr. 1B H314, Eye Dam. 1 H318, Aquatic Acute 1

H400 M=10, Aquatic Chronic 2 H411, EUH071 STA Oral: 100 mg/kg, LD50 Oral: 658 mg/kg

REACH Reg. 01-2119945987-15-0000

230-525-2

612-131-00-6

PROPAN-2-OL

CAS 67-63-0 0 ≤ x < 1 Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336

EC 200-661-7 INDEX 603-117-00-0 REACH Reg. 01-2119457558-25

EDTA

FC

INDEX

CAS 64-02-8 0 ≤ x < 1 Acute Tox. 4 H302, Eye Dam. 1 H318

EC 200-573-9 LD50 Oral: 1780 mg/kg

INDEX

REACH Reg. 01-2119486762-27

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

SECTION 4. First aid measures

In case of doubt or when symptoms remain, seek medical advice keeping the information sheet of the preparation available. Do not administer unconscious persons by mouth.

4.1. Description of first aid measures

CONTACT WITH SKIN: wash the contaminated part with water and drain. If irritation persists or tissue damage occurs, consult a doctor if necessary.

CONTACT WITH EYES: remove contact lenses if present; wash the eyes with open eyelid with water. Consult a doctor.

INGESTION: Rinse mouth with water. Consult a doctor.

INHALATION: Remove the injured person from the danger area in a well ventilated area; if symptoms of discomfort appear, seek medical assistance.



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SECTION 4. First aid measures .../>>

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

No specific information on the symptoms and effects caused by the product is known. For symptoms and effects due to the substances contained, see chap. 11.

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 MEDIA: The extinguishing media are the traditional ones: carbon dioxide, foam and chemical powder. For leaks and spills of the product that have not ignited, the nebulized water can be used to disperse the flammable vapors and to protect the people involved in stopping the loss. NON-SUITABLE EXTINGUISHING MEDIA: Do not use water jets. Water is not effective for extinguishing the fire but it can be used to cool closed containers exposed to the flame, preventing bursts and explosions.

5.2. Special hazards arising from the substance or mixture

HAZARDS DUE TO EXPOSURE IN THE EVENT OF FIRE: Avoid breathing combustion products: carbon oxides.

5.3. Advice for firefighters

GENERAL INFORMATION: Cool the containers with water jets to avoid decomposition of the product and the development of substances potentially hazardous for health. Wear, if necessary, complete fire protection equipment. Collect extinguishing water that must not be discharged into drains. Dispose of the contaminated water used for the fire extinguisher and the residue according to the regulations in force. EQUIPMENT: Not necessary for small fires. If necessary, wear fire-fighting clothing such as a fireproof suit (EN469), fireproof gloves (EN659) and boots for firefighters (HO A29 or A30) depending on the amount of product and any other materials involved in the fire.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Stop the leak if there is no danger. Wear appropriate protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent contamination of the skin, eyes and personal clothing. These indications are valid both for workers involved in the work and for emergency interventions.

6.2. Environmental precautions

Prevent the product from entering sewers, surface waters, water tables.

6.3. Methods and material for containment and cleaning up

Vacuum the leaked product into a suitable container. Evaluate the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material. Ensure adequate ventilation of the area affected by the loss. Disposal of the contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections

Any information regarding 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)

See the exposure scenarios attached to this safety datasheet.



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SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

ITA Italia Decreto Legislativo 9 Aprile 2008, n.81

EU OEL EU 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.

				PRO	PAN-2-OL				
reshold Limit Va	lue								
Туре	Country	TWA/8h		STEL/15min		Remarks / Observations			
		mg/m3	ppm	mg/m3	ppm				
OEL	EU	492	200	983	400				
redicted no-effect	t concentrat	ion - PNEC							
Normal value in f	resh water						140,9	mg/l	
Normal value in r	marine water						140,9	mg/l	
Normal value for	fresh water	sediment					552	mg/kg	
Normal value for	marine wate	r sediment					552	mg/kg	
Normal value for water, intermittent release							140,9	mg/l	
Normal value of S	STP microor	ganisms					2251	mg/l	
Normal value for				ng)			160	mg/kg	
Normal value for							28	mg/kg	
ealth - Derived no	effect leve	I - DNEL / D	MEL						
	Effect	ts on consu	mers			Effects on w	orkers/		
Route of exposur	re Acute	e Acu	te	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	syst	emic	local	systemic	local	systemic	local	systemic
Oral				VND	26				
					mg/kg bw/d				
Inhalation				VND	89			VND	500
					mg/m3				mg/m3
Skin				VND	319			VND	888
					mg/kg bw/d				mg/kg
									bw/d

				2-BUTO	XYETHANOL				
hreshold Limit Val	ue								
Туре	Country TWA/8h		STEL/15	STEL/15min		Observations			
		mg/m3	ppm	mg/m3	ppm				
VLEP I	TA	98	20	246	50	SKIN			
OEL I	EU	98	20	246	50	SKIN			
Predicted no-effect	concentra	tion - PNE							
Normal value in fro	esh water						8,8	mg/l	
Normal value in m	arine wate	r					0,88	mg/l	
Normal value for f	resh water	sediment					34,6	mg/kg	
Normal value for r	er sediment					3,46	mg/kg		
Normal value for v			9,1	mg/l					
Normal value of S	TP microor	ganisms					463	mg/l	
Normal value for t	he food cha	ain (second	ary poisonii	ng)			20	mg/kg	
Normal value for t	he terrestri	al compartn	nent				2,33	mg/kg	
lealth - Derived no-	effect leve	I - DNEL / I	DMEL						
	Effec	ts on consu	mers			Effects on w	orkers		
Route of exposure	e Acute	e Acı	ıte	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	sys	temic	local	systemic	local	systemic	local	systemic
Oral		26,	7		6,3				
		mg.	/kg bw/d		mg/kg bw/d				
Inhalation	147	426	i		59	246	1091		98
	mg/n	n3 mg/	/m3		mg/m3	mg/m3	mg/m3		mg/m3



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SECTION 8. Exposure controls/personal protection

					EDTA				
	/- l				EDIA				
hreshold Limit V				o==: //=					
Туре	Country	TWA/8h		STEL/15	min	Remarks /	Observations		
		mg/m3	ppm	mg/m3	ppm				
OEL	EU	10				INHAL			
OEL	EU	3				RESP			
Predicted no-effe	ct concentra	ation - PNE	C						
Normal value in	fresh water						2,83	mg/l	
Normal value in	marine water	er					0,283	mg/l	
Normal value of STP microorganisms							50	mg/l	
Normal value for the terrestrial compartment							1,1	mg/kg	
lealth - Derived r	o-effect lev	el - DNEL /	DMEL						
Effects on consumers				Effects on workers					
Route of expos	ure Acu	te Acı	ute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	loca	ıl sys	temic	local	systemic	local	systemic	local	systemic
Oral					25				
					mg/kg bw/d				
Inhalation	1,2			0,6		3	3	1,5	1,5
	mg/	m3		mg/m3		mg/m3	mg/m3	mg/m3	mg/m3

CLORURO DI DIDECILMETILAMMONIO								
Predicted no-effect concentration - PNEC								
Normal value in fresh water	1,1	μg/L						
Normal value in marine water	0,11	μg/L						
Normal value for fresh water sediment	61,86	mg/kg						
Normal value for marine water sediment	6,186	mg/kg						
Normal value for water, intermittent release	0,21	μg/L						
Normal value of STP microorganisms	0,14	mg/l						
Normal value for the terrestrial compartment	1,4	mg/kg						

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.

8.2. Exposure controls

Comply with the safety measures usually applied when handling chemical substances.

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.

When choosing risk management measures and operating conditions, consult the exposure scenarios attached.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).

Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

SKIN PROTECTION

Wear category III 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

None required.

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

RESPIRATORY PROTECTION

None required, unless indicated otherwise in the chemical risk assessment.

ENVIRONMENTAL EXPOSURE CONTROLS

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

For information on controlling environmental exposure, see the exposure scenarios attached to this safety datasheet.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties Value Information



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Reason for missing data:miscela non

Reason for missing data:miscela non

infiammabile

infiammabile

Temperature: 20 °C

SECTION 9. Physical and chemical properties

Appearance liquid Colour colourless Odour characteristic Melting point / freezing point Λ °C Initial boiling point 90 °C Flammability not applicable

Lower explosive limit Not applicable Upper explosive limit Not applicable

Flash point Not applicable

Auto-ignition temperature Not available

8,2 Kinematic viscosity 1

1 mPa*s Dynamic viscosity

Solubility completamente solubile in

acqua

Not available Partition coefficient: n-octanol/water Vapour pressure Not available

Density and/or relative density 0,990-1,000 g/cm3/cm3

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 2010/75/EU) 12,14 % - 121,04 g/litre 7.42 % - 73,94 VOC (volatile carbon) g/litre

Explosive properties not explosive Oxidising properties non ossidante Frost point 0°C

VOC (Directive 1999/13 / EC: 11.5%)

12%

SECTION 10. Stability and reactivity

In the absence of data relating to the preparation, the following information refers to the substances that make up the mixture.

10.1. Reactivity

PROPAN-2-OL

It can react violently with oxidizing agents and strong acids.

Decomposes at temperatures above 150 °C.

Avoid mixing with other substances, especially with bleaches and anionic substances.

10.2. Chemical stability

The product is stable in normal conditions of use

10.3. Possibility of hazardous reactions

2-BUTOXYETHANOL

Forms peroxides with: air,light.

Under normal conditions of use and storage, no dangerous reaction is expected.

10.4. Conditions to avoid

2-BUTOXYETHANOL

Avoid contact with: oxidising agents.

@EPY 11.1.1 - SDS 1004.14



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

Avoid direct exposure to light heat sources

10.5. Incompatible materials

PROPAN-2-OL

Oxidizing agents, strong acids, chlorine-containing compounds, aldehydes, alkanolamines, alkaline and alkaline-earth metals (aluminum etc ...)

2-BUTOXYETHANOL

Incompatible with: strong oxidants.

Anionic surfatants

10.6. Hazardous decomposition products

PROPAN-2-OL

Carbon oxides. Formaldehyde.

In the event of excessive heating the product may decompose.

SECTION 11. Toxicological information

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 - vapours) of the mixture: > 20 mg/l
ATE (Oral) of the mixture: >2000 mg/kg
ATE (Dermal) of the mixture: >2000 mg/kg

PROPAN-2-OL

 LD50 (Oral):
 5840 mg/kg ratto

 LD50 (Dermal):
 13900 mg/kg ratto

 LC50 (Inhalation vapours):
 25000 mg/m3 ratto

2-BUTOXYETHANOL

LD50 (Oral): 1300 mg/kg Porcellino d'India LD50 (Dermal): > 2000 mg/kg porcellino d'india

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)

LC50 (Inhalation vapours): > 400 ppm/7h porcellino d'India

STA (Inhalation vapours): 11 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)

EDTA

LD50 (Oral): 1780 mg/kg ratto

CLORURO DI DIDECILMETILAMMONIO

LD50 (Oral): 658 mg/kg Ratto LD50 (Dermal): > 1000 mg/kg ratto



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SECTION 11. Toxicological information .../>>

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

Respiratory sensitization

Information not available

Skin sensitization

Information not available

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

Adverse effects on sexual function and fertility

Information not available

Adverse effects on development of the offspring

Information not available

Effects on or via lactation

Information not available

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

EDTA

Tratto respiratorio.

Route of exposure

EDTA

inalazione.



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SECTION 11. Toxicological information .../>>

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

PROPAN-2-OL

LC50 - for Fish 9640 mg/l/96h Pimephales promelas EC50 - for Crustacea > 10000 mg/l 24h Daphnia Magna

EC10 for Algae / Aquatic Plants 1800 mg/l/7 giorni Scenedesmus quadricauda

2-BUTOXYETHANOL

LC50 - for Fish 1474 mg/l/96h Oncorhynchus mykiss EC50 - for Crustacea 1550 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants 1840 mg/l/72h Pseudokirchneriella subcapitata

Chronic NOEC for Fish > 100 mg/l 21 d Brachydanio rerio Chronic NOEC for Crustacea 100 mg/l 21 d Daphnia magna

EDTA

LC50 - for Fish > 100 mg/l/96h Oncorhynchus mykiss EC50 - for Crustacea > 100 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants > 100 mg/l/72h Pseudokirchneriella subcapitata
EC10 for Algae / Aquatic Plants 48,4 mg/l/72h Pseudokirchneriella subcapitata

Chronic NOEC for Fish > 35,1 mg/l/21d Danio rerio Chronic NOEC for Crustacea 25 mg/l/21d Daphnia magna

CLORURO DI DIDECILMETILAMMONIO

LC50 - for Fish 0,49 mg/l/96h Danio Rerio EC50 - for Crustacea 0,03 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants 0,06 mg/l/72h

Chronic NOEC for Fish 0,013 mg/l Pseudokirchneriella subcapitata (alghe cloroficee)

Chronic NOEC for Crustacea 0,021 mg/l Daphnia magna

12.2. Persistence and degradability

PROPAN-2-OL

Rapidly degradable > 70% in 10 giorni

2-BUTOXYETHANOL Rapidly degradable

EDTA

Solubility in water 500 g/l 20°C

NOT rapidly degradable

CLORURO DI DIDECILMETILAMMONIO

Solubility in water 0,65 g/l 25°C Rapidly degradable OECD 301 D

12.3. Bioaccumulative potential

PROPAN-2-OL

Partition coefficient: n-octanol/water 0,05 Log Kow

@EPY 11.1.1 - SDS 1004.14



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.../>> **SECTION 12. Ecological information**

2-BUTOXYETHANOL

0,81 Log Kow 25 °C Partition coefficient: n-octanol/water

< 0 Log Kow Partition coefficient: n-octanol/water

BCF 1.8

CLORURO DI DIDECILMETILAMMONIO

2,8 LogKow 20°C Partition coefficient: n-octanol/water

12.4. Mobility in soil

2-BUTOXYETHANOL

0,45 log KOC Partition coefficient: soil/water

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. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

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



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SECTION 14. Transport information .../>

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

CODICE ISS (Azienda / preparato): 00466200359 / T32

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

Product Point

3 - 40

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

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

A chemical safety assessment has been performed for the following contained substances

PROPAN-2-OL

2-BUTOXYETHANOL

EDTA

SECTION 16. Other information

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

Flam. Liq. 2

Acute Tox. 3

Acute toxicity, category 3

Acute Tox. 4

Skin Corr. 1B

Eye Dam. 1

Eye Irrit. 2

Skin Irrit. 2

Flammable liquid, category 2

Acute toxicity, category 4

Skin corrosion, category 1B

Serious eye damage, category 1

Eye Irritation, category 2

Skin Irritation, category 2

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

Aquatic Acute 1 Hazardous to the aquatic environment, acute toxicity, category 1

Aquatic Chronic 2 Hazardous to the aquatic environment, chronic toxicity, category 2

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.
H312 Harmful in contact with

H312 Harmful in contact with skin.
H332 Harmful if inhaled.

H314 Causes severe skin burns and eye damage.

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



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H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

EUH071 Corrosive to the respiratory tract.

Use descriptor system:

PC 8 Biocidal products

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
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- 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)
- 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



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- IFA GESTIS website
- FCHA 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 / 10 / 11 / 12 / 15 / 16.