



DECO INDUSTRIE S.C.P.A.

Revision nr. 5

Dated 22/11/2021

Printed on 23/11/2021

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Replaced revision:4 (Printed on: 20/10/2021)

**D1012407 - SCALA LAVATRICE
BICARBONATO**

Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878

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

1.1. Product identifier

Code: **D1012407**
Product name: **SCALA LAVATRICE BICARBONATO**

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

Identified Uses	Industrial	Professional	Consumer
Laundry detergent	-	-	PROC: 3. PC: 35.

Uses Advised Against

This product is not recommended for other uses.

1.3. Details of the supplier of the safety data sheet

Name: **DECO INDUSTRIE S.C.P.A.**
Full address: **Via Caduti del Lavoro, 2
48012 Bagnacavallo (RA)
Italia**
Tel. **+39 0545 935511**
Fax **+39 0545 935600**

e-mail address of the competent person responsible for the Safety Data Sheet: **schede.sicurezza@decoindustrie.it**

1.4. Emergency telephone number

For urgent inquiries refer to

**Centro Antiveleni di Milano 02 66101029 (CAV Osp. Niguarda Ca` Granda -MI)
Centro Antiveleni di Pavia 0382 24444 (CAV IRCCS Fondazione Maugeri - Pavia)
Centro Antiveleni di Bergamo 800 883300 (CAV Ospedali Riuniti - Bergamo)
Centro Antiveleni di Firenze 055 7947819 (CAV Ospedale Careggi - Firenze)
Centro Antiveleni di Roma 06 3054343 (CAV Policlinico Gemelli - Roma)
Centro Antiveleni di Roma 06 49978000 (CAV Policlinico Umberto I - Roma)
Centro Antiveleni di Foggia 0881 732326 (CAV Ospedali Riuniti –
Foggia)
Centro Antiveleni di Roma 06 68593726 (CAV Ospedale Bambin Gesù –
Roma)
Centro Antiveleni di Verona 800 011858 (CAV Ospedale AOUI –
Verona)
Centro Antiveleni di Napoli 081 7472870 (CAV Ospedale Cardarelli - Napoli)**

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture



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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 2020/878. 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:

Eye irritation, category 2
Skin irritation, category 2

H319
H315

Causes serious eye irritation.
Causes skin irritation.

2.2. Label elements

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

Hazard pictograms:



Signal words: Warning

Hazard statements:

H319 Causes serious eye irritation.
H315 Causes skin irritation.
EUH208 Contains: REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)
May produce an allergic reaction.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear eye protection / face protection.
P302+P352 IF ON 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.
P501 Dispose of contents in accordance with local regulations

Ingredients according to Regulation (EC) No. 648/2004

Less than 5% phosphonates, non-ionic surfactants, soap
5% or over but less than 15% anionic surfactants

enzymes, optical brighteners, profumo

Linalool

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BICARBONATO**

Preservation agents: Methylchloroisothiazolinone, Methylisothiazolinone

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq 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. %	Classification 1272/2008 (CLP)
Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine		
CAS 85480-55-3	$7 \leq x < 8$	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Chronic 3 H412 LD50 Oral: 1080 mg/kg
EC 287-335-8		
INDEX -		
Alcohols, C12-14, ethoxylated, sulfates, sodium salts		
CAS 68891-38-3	$2 \leq x < 2,56999993$	Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Chronic 3 H412
EC 500-234-8		Eye Dam. 1 H318: $\geq 10\%$, Eye Irrit. 2 H319: $\geq 5\%$
INDEX -		
REACH Reg. 01-2119488639-16		
Alcohols, C12-13- branched and linear, ethoxylated		
CAS 160901-19-9	$2 \leq x < 2,5$	Acute Tox. 4 H302, Eye Dam. 1 H318, Aquatic Chronic 3 H412
EC 931-954-4		Eye Dam. 1 H318: $\geq 10\%$, Eye Irrit. 2 H319: $\geq 1\%$
INDEX -		LD50 Oral: 300 mg/kg
REACH Reg. non pertinente (polimero)		
ETHANOLAMINE		
CAS 141-43-5	$0,05 \leq x < 0,12$	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335 STOT SE 3 H335: $\geq 5\%$
EC 205-483-3		
INDEX 603-030-00-8		LD50 Oral: 1089 mg/kg, STA Dermal: 1100 mg/kg, STA Inhalation vapours: 11 mg/l
REACH Reg. 01-2119486455-28		
DIFENIL ETERE		
CAS 101-84-8	$0 \leq x < 0,02$	Eye Irrit. 2 H319, Aquatic Acute 1 H400 M=1, Aquatic Chronic 3 H412
EC 202-981-2		
INDEX -		
REACH Reg. 01-2119472545-33		
REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE		

**D1012407 - SCALA LAVATRICE
BICARBONATO****AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)**

CAS 55965-84-9

0,001 ≤ x <
0,00113

Acute Tox. 2 H310, Acute Tox. 2 H330, Acute Tox. 3 H301, Skin Corr. 1C H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100, EUH071
Skin Corr. 1C H314: ≥ 0,6%, Skin Irrit. 2 H315: ≥ 0,06%, Skin Sens. 1A H317: ≥ 0,0015%, Eye Dam. 1 H318: ≥ 0,6%, Eye Irrit. 2 H319: ≥ 0,06%
LD50 Oral: 64 mg/kg, LD50 Dermal: 87,12 mg/kg, LC50 Inhalation mists/powders: 0,33 mg/l/4h

EC -

INDEX 613-167-00-5

DIMETHYL FORMAMIDE

CAS 68-12-2

0,00003 ≤ x <
0,00095

Flam. Liq. 3 H226, Repr. 1B H360D, Acute Tox. 4 H312, Acute Tox. 4 H332, Eye Irrit. 2 H319
STA Dermal: 1100 mg/kg, STA Inhalation vapours: 11 mg/l

EC 200-679-5

INDEX 616-001-00-X

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

Alcohols, C12-14, ethoxylated, sulfates, sodium salts
H319 >5<10.0%
H318 >10.1<100%

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**


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

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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:

BGR	България	НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ, СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17 Януари 2020г.)
CZE	Česká Republika	Nařízení vlády č. 41/2020 Sb. Nařízení vlády, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů
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
DNK	Danmark	Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
FIN	Suomi	HTP-VÄRDEN 2020. Koncentrationer som befunnits skadliga. SOCIAL - OCH HÄLSOVÅRDSMINISTERIETS PUBLIKATIONER 2020:25
GRC	Ελλάδα	Π.Δ. 26/2020 (ΦΕΚ 50/Α` 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ ``σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιογόνους παράγοντες κατά την εργασία``»
HUN	Magyarország	Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
PRT	Portugal	Decreto-Lei n.º 1/2021 de 6 de janeiro, valores-limite de exposição profissional indicativos para os agentes químicos. Decreto-Lei n.º 35/2020 de 13 de julho, proteção dos trabalhadores contra os riscos ligados à exposição durante o trabalho a agentes cancerígenos ou mutagénicos
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
ROU	România	Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006
SVK	Slovensko	NARIADENIE VLÁDY Slovenskej republiky z 12. augusta 2020, ktorým sa mení a dopĺňa nariadenie vlády Slovenskej republiky č. 356/2006 Z. z. o ochrane zdravia zamestnancov pred rizikami súvisiacimi s expozíciou karcinogénnym a mutagénnym faktorom pri práci v znení neskorších predpisov
SVN	Slovenija	Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 in 78/19)
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
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.
	TLV-ACGIH	ACGIH 2020


ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,24	mg/l
Normal value in marine water	0,024	mg/l
Normal value for fresh water sediment	0,9168	mg/kg
Normal value for marine water sediment	0,0917	mg/kg
Normal value for water, intermittent release	0,071	mg/l
Normal value of STP microorganisms	10000	mg/l
Normal value for the terrestrial compartment	7,5	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				15 mg/kg bw/d				

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Inhalation		52 mg/m3		175 mg/m3
Skin	0,079 mg/cm2	1650 mg/kg bw/d	0,132 mg/cm2	2750 mg/kg bw/d

ETHANOLAMINE Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	BGR	2,5	1	7,6	3	SKIN
TLV	CZE	2,5	0,985	7,5	2,955	
AGW	DEU	0,5	0,2	0,5	0,2	SKIN
MAK	DEU	0,51	0,2	0,51	0,2	
TLV	DNK	2,5	1			SKIN E
VLEP	FRA	2,5	1	7,6	3	SKIN
HTP	FIN	2,5	1	7,6	3	SKIN
TLV	GRC	2,5	1	7,6	3	
AK	HUN	2,5		7,6		SKIN
VLEP	ITA	2,5	1	7,6	3	SKIN
VLE	PRT	2,5	1	7,6	3	SKIN
NDS/NDSch	POL	2,5		7,5		SKIN
TLV	ROU	2,5	1	7,6	3	SKIN
NPEL	SVK	2,5	1	7,6	3	SKIN
MV	SVN	2,5	1	7,6	3	SKIN
WEL	GBR	2,5	1	7,6	3	SKIN
OEL	EU	2,5	1	7,6	3	SKIN
TLV-ACGIH		7,5	3	15	6	

Predicted no-effect concentration - PNEC			
Normal value in fresh water		0,085	mg/l
Normal value in marine water		0,0085	mg/l
Normal value for fresh water sediment		0,434	mg/kg
Normal value for marine water sediment		0,0434	mg/kg
Normal value for water, intermittent release		0,028	mg/l
Normal value of STP microorganisms		100	mg/l
Normal value for the terrestrial compartment		0,0367	mg/kg

Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				3,75 mg/kg bw/d				
Inhalation			2 mg/m3				3,3 mg/m3	
Skin				0,24 mg/kg bw/d				1 mg/kg bw/d

DIFENIL ETERE

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BICARBONATO****Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
AGW	DEU	7,1	1	7,1	1	INHAL	aerosol e vapori
MAK	DEU	7,1	1	7,1	1	INHAL	frazione e vapori
VLEP	FRA	7	1				
VLEP	ITA	7	1	14	2		
WEL	GBR	7,1	1				
OEL	EU	7	1	14	2		
TLV-ACGIH		1	2				

REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
MAK	DEU	0,2		0,4		INHAL	

DIMETHYL FORMAMIDE**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
TLV	BGR	15	5	30	10	SKIN	
TLV	CZE	15	4,935	30	9,87	SKIN	
AGW	DEU	15	5	30	10	SKIN	
MAK	DEU	15	5	30	10	SKIN	
TLV	DNK	15	5			SKIN	E
VLEP	FRA	15	5	30	10	SKIN	
HTP	FIN	15	5	30	10	SKIN	
TLV	GRC	15	5	30	10		
AK	HUN	15		30		SKIN	
VLEP	ITA	15	5	30	10	SKIN	
VLE	PRT	15	5	30	10	SKIN	
NDS/NDSch	POL	15		30		SKIN	
TLV	ROU	15	5	30	10	SKIN	
NPEL	SVK	15	5	30	10	SKIN	
MV	SVN	15	5	30	10	SKIN	
WEL	GBR	15	5	30	10	SKIN	
OEL	EU	15	5	30	10	SKIN	
TLV-ACGIH			5			SKIN	

Legend:

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(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

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.

Provide an emergency shower with face and eye wash station.

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 II 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

Properties	Value	Information
Appearance	dense liquid	
Colour	blue	
Odour	characteristic	
Odour threshold	Not applicable	
Melting point / freezing point	Not applicable	Reason for missing data:liquid mixture
Initial boiling point	Not applicable	Reason for missing data:if the product is used and stored in normal condition, any data would be required
Boiling range	Not applicable	Reason for missing data:if the product is used

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BICARBONATO**

Flammability	Non applicabile , Miscela liquida	and stored in normal condition, any data would be required
Lower explosive limit	Not applicable	Reason for missing data:any explosive substances in mixture
Upper explosive limit	Not applicable	Reason for missing data:any explosive substances in mixture
Flash point	> 60 °C	
Auto-ignition temperature	Not applicable	Reason for missing data:if the product is used and stored in normal condition, any data would be required
Decomposition temperature	Not applicable	Reason for missing data:if the product is used and stored in normal condition, any data would be required
pH	8,3	
Kinematic viscosity	Not available	
Dynamic viscosity	600 cps	
Solubility	soluble in water	
Partition coefficient: n-octanol/water	Not applicable	Reason for missing data:non applicabile (miscela)
Vapour pressure	Not available	
Density and/or relative density	1,03 g/cm ³	
Relative vapour density	Not applicable	
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

Evaporation rate	Not applicable
Total solids (250°C / 482°F)	14,92 %
VOC (Directive 2010/75/EC)	1,18 % - 12,19 g/litre
Explosive properties	Non applicabile, Non contiene sostanze esplosive
Oxidising properties	Non applicabile, non contiene sostanze ossidanti.

SECTION 10. Stability and reactivity**10.1. Reactivity**

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

DIMETHYL FORMAMIDE

Decomposes on contact with: naked flames,overheated surfaces.Possible formation of toxic fumes.



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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.

ETHANOLAMINE

May react dangerously with: acrylonitrile, chloroepoxypropane, chlorosulphuric acid, hydrogen chloride, iron-sulphur compounds, acetic acid, acetic anhydride, mesityl oxide, nitric acid, sulphuric acid, strong acids, vinyl acetate, cellulose nitrate.

DIMETHYL FORMAMIDE

Risk of explosion on contact with: alkaline metals, strong oxidising agents, bromine, chlorine, triethyl aluminium, alkaline nitrides. May react violently with: reducing agents, halogens, nitrates, metal oxides, non-metal oxides, halogenated hydrocarbons. Forms explosive mixtures with: hot air.

10.4. Conditions to avoid

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

ETHANOLAMINE

Avoid exposure to: air, sources of heat.

DIMETHYL FORMAMIDE

Avoid exposure to: sources of heat, naked flames.

10.5. Incompatible materials

ETHANOLAMINE

Incompatible with: iron, strong acids, strong oxidants.

DIMETHYL FORMAMIDE

Incompatible with: oxidising substances, halogenated hydrocarbons, inorganic nitrates, triethylaluminium, bromine, chlorine, iron.

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

ETHANOLAMINE

May develop: nitric oxide, carbon oxides.

DIMETHYL FORMAMIDE

May develop: nitric oxide, dimethylamine, hydrogen cyanide.



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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) of the mixture:	Not classified (no significant component)
ATE (Oral) of the mixture:	>2000 mg/kg
ATE (Dermal) of the mixture:	Not classified (no significant component)

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine

LD50 (Oral):	1080 mg/kg
LD50 (Dermal):	> 2000 mg/kg

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

LD50 (Oral):	2870 mg/kg
LD50 (Dermal):	> 2000 mg/kg

ALCOHOLS, C12-13, BRANCHED AND LINEAR, ETHOXYLATED (7 OE)

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LD50 (Oral): 300 mg/kg Ratto
LD50 (Dermal): > 2000 mg/kg Coniglio

ETHANOLAMINE

LD50 (Oral): 1089 mg/kg
LD50 (Dermal): 2504 mg/kg
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): 0,22 mg/l/1h
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)

DIFENIL ETERE

LD50 (Oral): 2830 mg/kg

REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

LD50 (Oral): 64 mg/kg (ratto)
LD50 (Dermal): 87,12 mg/kg (cogniglio)
LC50 (Inhalation mists/powders): 0,33 mg/l/4h (ratto)

DIMETHYL FORMAMIDE

LD50 (Oral): 2800 mg/kg Rat
LC50 (Inhalation vapours): > 5,9 mg/l/4h Rat
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)

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine

Method: OECD 401

Reliability (Klimisch score): 2

Species: Rat (Male/Female)

Exposure: oral

Results LD50: 1080 mg/kg

The substance is classified as an acute oral toxicant Cat. 4

Method: OECD 402

Reliability (Klimisch score): 1

Species: Rat (CFY Male/Female)

Exposure: dermal

Results LD50: > 2000 mg/kg

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Method: OECD 401

Reliability (Klimisch score): 2

Species: rat (Sprague-Dawley, male / female)

Routes of exposure: oral

Results DL50: 2870 mg / kg

Method: OECD 402, read across

Reliability (Klimisch score): 2

Species: rat (WISTAR rats CrI: WI (Han); males / females)

Routes of exposure: cutaneous

Results DL50:> = 2000 mg / kg.



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BICARBONATO**

DIFENIL ETERE

Riferimento: report di studio
Affidabilità (Klimisch score): 2
Specie: ratto (Femmina)
Via d'esposizione: orale
Risultati DL50: 2830 mg/kg

REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

Based on the probative force of the available data determined by expert judgment, the substance is classified as toxic if ingested (cat. 3) and lethal if inhaled and lethal in contact with the skin (cat. 2).

SKIN CORROSION / IRRITATION

Causes skin irritation

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine

Method: OECD 404
Reliability (Klimisch score): 1
Species: rabbit (New Zealand albino)
Results: irritant Cat. 2

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Method: OECD 404
Reliability (Klimisch score): 1
Species: white rabbit (New Zealand)
Results: irritant Cat. 2.

ALCOHOLS, C12-13, BRANCHED AND LINEAR, ETHOXYLATED (7 OE)

In base alla forza probante dei dati disponibili, la sostanza non è classificata come irritante per la pelle.

DIFENIL ETERE

Metodo: FIFRA Primary Dermal Irritation Study
Affidabilità (Klimisch score): 1
Specie: coniglio bianco (New Zealand)
Risultati: non irritante.

REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

Based on the probative strength of the available data determined by expert judgment, the substance is classified as corrosive to the skin, Cat 1 C.

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation



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Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine

Method: OECD 405

Reliability (Klimisch score): 1

Species: rabbit (New Zealand albino)

Results: irritant Cat. 1

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Method: equivalent or similar to OECD 405, read across

Reliability (Klimisch score): 2

Species: Rabbit (New Zealand White)

Results: eye irritant Cat. 2.

ALCOHOLS, C12-13, BRANCHED AND LINEAR, ETHOXYLATED (7 OE)

Based on the probative strength of the available data, the substance causes severe eye damage and is classified under the relevant hazard class (specific limit H318 C> = 10%; H319 0 <C <10%)

DIFENIL ETERE

Riferimento: report di studio (1973)

Affidabilità (Klimisch score): 2

Specie: coniglio

Risultati: irritante Cat. 2.

REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

Based on the probative strength of the available data determined by expert judgment, the substance is classified as corrosive to the eyes.

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Contains:

REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

ALCOHOLS, C12-13, BRANCHED AND LINEAR, ETHOXYLATED (7 OE)

Based on the probative strength of the available data, the substance is not classified for the respiratory / skin sensitization hazard class.

REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

Based on the probative force of the available data determined by expert judgment, the substance is classified as a skin sensitizer, Cat. 1 A.

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine

Method: OECD 406

Reliability (Klimisch score): 1

Species: Guinea pig (Hartley Male/Female)

Results: non-sensitizing



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BICARBONATO**

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Method: OECD 406

Reliability (Klimisch score): 2

Species: guinea pig (Dunkin-Hartley, females)

Results: non-sensitizing for the skin.

DIFENIL ETERE

Riferimento: report di studio (1970)

Affidabilità (Klimisch score): 2

Specie: uomo (maschio)

Risultati: non sensibilizzante.

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine

Method: equivalent or similar OECD 476

Reliability (Klimisch score): 1

In vitro test

Species: Chinese hamster (ovaries)

Results: negative with and without metabolic activation

Method: equivalent or similar to OECD 474, read across

Reliability (Klimisch score): 1

In vivo test

Species: mouse (NMRI Male/Female)

Exposure: oral

Results: negative

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Method: OECD 476 - in vitro test

Reliability (Klimisch score): 1

Species: mouse L5178 (lymphoma)

Results: negative with and without metabolic activation

Method: OECD 475

Reliability (Klimisch score): 1

In vivo test

Species: mouse (CD-1, male / female)

Routes of exposure: oral

Results: negative.

ALCOHOLS, C12-13, BRANCHED AND LINEAR, ETHOXYLATED (7 OE)

In base ai dati disponibili, la sostanza presenta effetti mutageni ed è classificata come mutagena di Cat. 2

DIFENIL ETERE

Riferimento: report di studio (1987)

Affidabilità (Klimisch score): 2

Test in vitro



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Specie: criceto cinese (ovaie)

Risultati: negativo con attivazione metabolica - negativo senza attivazione metabolica

REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

Based on the available data, the substance has no mutagenic effects and is not classified under the CLP hazard class of germ cell mutagenicity.

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

No data available.

ALCOHOLS, C12-13, BRANCHED AND LINEAR, ETHOXYLATED (7 OE)

Based on the available data, the substance has no carcinogenic effects and is not classified under the CLP hazard class of carcinogenicity.

DIFENIL ETERE

La sostanza è classificata come irritante per la pelle (MSDS fornitore)

REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

Based on the available data, the substance has no carcinogenic effects and is not classified under the CLP hazard class of carcinogenicity.

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

ALCOHOLS, C12-13, BRANCHED AND LINEAR, ETHOXYLATED (7 OE)

Based on the available data, the substance has no reproductive toxicity effects and is not classified under the relevant CLP hazard class.

REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

Based on the available data, the substance has no reproductive toxicity effects and is not classified under the relevant CLP hazard class.

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine

Method: OECD 416

Reliability (Klimisch score): 1


Species: Rat (Cr:WI (Han) Male/Female)

Exposure: oral

Results NOAEL (P0): 300 mg/kg body weight/day

Results NOAEL (F1): 1000 mg/kg body weight/day

Results NOAEL (F2): 1000 mg/kg body weight/day

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The substance is not classified for this hazard class

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Method: equivalent or similar to OECD 416

Reliability (Klimisch score): 1

Species: Rat (Sprague-Dawley; males / females)

Routes of exposure: oral

Results: no negative effect. NOAEL (systemic / P0): 300 mg / kg body weight / day; NOAEL (reproduction / P0): 300 mg / kg body weight / day; NOAEL (F1): 300 mg / kg body weight / day.

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine

Method: OECD 414

Reliability (Klimisch score): 1

Species: Rat (Wistar)

Exposure: oral

Results NOAEL (maternal): 120 mg/kg body weight/day

NOAEL (teratogenicity): >= 450 mg/kg body weight/day

The substance is not classified for this hazard class

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Method: OECD 414

Reliability (Klimisch score): 2

Species: Rat (Sprague-Dawley)

Routes of exposure: oral

Results: no negative effect. NOAEL (maternal):> 1000 mg / kg body weight / day; NOAEL (development):> 1000 mg / kg body weight / day.

DIFENIL ETERE

Metodo: OECD 414

Affidabilità (Klimisch score): 1

Specie: ratto (Sprague-Dawley)

Vie d'esposizione: orale

Risultati NOAEL (sviluppo): 500 mg/kg peso corporeo/giorno

Risultati LOAEL (materno): 50 mg/kg peso corporeo/giorno

La sostanza non è classificata per questa classe di pericolo.

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine

Based on the available data, the substance does not show any specific target organ toxicity effect for single exposure and is not classified under the related CLP hazard class

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

In base ai dati disponibili, la sostanza non presenta effetti di tossicità specifica per organi bersaglio per esposizione ripetuta e non è classificata sotto la relativa classe di pericolo CLP.



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ALCOHOLS, C12-13, BRANCHED AND LINEAR, ETHOXYLATED (7 OE)

In base ai dati disponibili, la sostanza non presenta effetti di tossicità specifica per organi bersaglio per esposizione ripetuta e non è classificata sotto la relativa classe di pericolo CLP.

DIFENIL ETERE

In base ai dati disponibili, la sostanza non presenta effetti di tossicità specifica per organi bersaglio per esposizione ripetuta e non è classificata sotto la relativa classe di pericolo CLP.

REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

Based on the available data, the substance has no specific target organ toxicity effects for single exposure and is not classified under the relevant CLP hazard class.

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine

Based on the available data, the substance does not show any specific target organ toxicity effect for repeated exposure and is not classified under the related CLP hazard class

Method: OECD 416

Reliability (Klimisch score): 1

Species: Rat (CrI:WI (Han) Male/Female)

Exposure: oral

Results NOAEL: 300 mg/kg body weight/day

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Based on the available data, the substance has no specific target toxicity effects for repeated exposure and is not classified under the relevant CLP hazard class.

Method: OECD 408

Reliability (Klimisch score): 2

Species: rat (Wistar; males / females)

Routes of exposure: oral

Results: NOAEL > 225 mg / kg body weight / day

Method: equivalent or similar to OECD 411, read across

Reliability (Klimisch score): 2

Species: mouse (ICR-Swiss CD-1, male / female)

Routes of exposure: cutaneous

Results: NOEL (local): 68 mg / kg body weight / day; LOEL (local): 6.91 mg / day; LOEL (systemic): > 6.91 mg / day; NOEL (systemic): > = 195 mg / kg body weight / day.

ALCOHOLS, C12-13, BRANCHED AND LINEAR, ETHOXYLATED (7 OE)

Metodo: OECD 408

Affidabilità (Klimisch score):1

Specie: ratto (Sprague-Dawley; maschio/femmina)

Via di Esposizione: orale

Risultati: NOAEL > 1100 mg/kg bw/day

Metodo: no linee guida

Affidabilità (Klimisch score):2

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Specie: coniglio (New Zealand White; maschio/femmina)
Via di Esposizione: cutanea
Risultati: 12,4 mg/kg bw/day

DIFENIL ETERE

In base ai dati disponibili, la sostanza non presenta effetti di tossicità specifica per organi bersaglio per esposizione ripetuta e non è classificata sotto la relativa classe di pericolo CLP.

Metodo: OECD 408

Affidabilità (Klimisch score): 1

Specie: ratto (Sprague-Dawley Maschio/Femmina)

Vie d'esposizione: orale

Risultati NOEL (maschio): 301 mg/kg peso corporeo/giorno

Risultati NOEL (femmina): 335 mg/kg peso corporeo/giorno

Riferimento: report di studio

Affidabilità (Klimisch score): 2

Specie: ratto (Sprague-Dawley), coniglio bianco (New Zealand), cane (Beagle)

Vie d'esposizione: inalazione (aerosol)

Risultati NOEL (coniglio-ratto): 4,9 ppm

Risultati NOEL (cane): 10 ppm

Riferimento: pubblicazione (2003)

Affidabilità (Klimisch score): 2

Specie: ratto (Sprague-Dawley Maschio/Femmina)

Vie d'esposizione: cutanea

Risultati NOEL (sistemico): 100 mg/kg peso corporeo/giorno

Risultati NOAEL (sistemico): 1000 mg/kg peso corporeo/giorno

Risultati LOEL (locale): 100 mg/kg peso corporeo/giorno.

REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

Based on the available data, the substance has no specific target toxicity effects for repeated exposure and is not classified under the relevant CLP hazard class.

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine
There are no data available for hazards in case of aspiration.

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS
There are no data available for hazards in case of aspiration.

ALCOHOLS, C12-13, BRANCHED AND LINEAR, ETHOXYLATED (7 OE)
There are no data available for hazards in case of aspiration.

DIFENIL ETERE

Non sono disponibili dati sulla pericolosità in caso di aspirazione.

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REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)
There are no data available for hazards in case of aspiration.

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**12.1. Toxicity****DIFENIL ETERE**

LC50 - for Fish	4,2 mg/l/96h Oncorhynchus mykiss; American Public Health Association. 1975
EC50 - for Crustacea	1,7 mg/l/48h Daphnia magna; American Public-Health -Association. 1975
Chronic NOEC for Fish	3,2 mg/l/96h Oncorhynchus mykiss; American Public Health Association. 1975
Chronic NOEC for Crustacea	1 mg/l/48h Daphnia magna; American Public-Health -Association. 1975

**ALCOHOLS, C12-13, BRANCHED AND
LINEAR, ETHOXYLATED (7 OE)**

EC50 - for Algae / Aquatic Plants	> 1 mg/l/72h Desmodesmus subspicatus; OECD 201
LC10 for Fish	> 0,1 mg/l Pimephales promelas
EC10 for Crustacea	> 0,1 mg/l Daphnia magna; OECD 211

**ALCOHOLS, C12-14, ETHOXYLATED,
SULFATES, SODIUM SALTS**

LC50 - for Fish	7,1 mg/l/96h Danio rerio; OECD 203
EC50 - for Crustacea	7,2 mg/l/48h Daphnia magna; OECD 202
EC50 - for Algae / Aquatic Plants	27 mg/l/72h Desmodesmus subspicatus; OECD 201
Chronic NOEC for Fish	0,14 mg/l Oncorhynchus mykiss; OECD 204
Chronic NOEC for Crustacea	0,27 mg/l Daphnia magna: equivalente o similare a OECD 211; read across
Chronic NOEC for Algae / Aquatic Plants	0,93 mg/l Desmodesmus subspicatus; OECD 201

**REACTION MASS OF 5-CHLORO-2-
METHYL-2H-ISOTHIAZOL-3-ONE AND 2-
METHYL-2H-ISOTHIAZOL-3-ONE (3:1)**

LC50 - for Fish	0,19 mg/l/96h Oncorhynchus mykiss (Ward and Boeri, 1990a/ Dow - metodo US EPA FIFRA 72-1)
EC50 - for Crustacea	0,16 mg/l/48h Daphnia magna (EPA OPP 72-2)
EC50 - for Algae / Aquatic Plants	0,037 mg/l/72h Skeletonema costatum (OECD 201 - US EPA OPPTS 850.5400)
Chronic NOEC for Fish	0,02 mg/l/38 giorni Danio rerio (OECD Guideline 210)
Chronic NOEC for Crustacea	0,0036 mg/l/21d Daphnia magna (OECD 202 - Mattock, 1996)
Chronic NOEC for Algae / Aquatic Plants	0,0049 mg/l/48h Skeletonema costatum (OECD 201 - US EPA OPPTS 850.5400)

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Benzenesulfonic acid, mono-C10-13-alkyl
derivs., compds. with ethanolamine
LC50 - for Fish

1,67 mg/l/96h *Lepomis macrochirus*, US EPA

Chronic NOEC for Fish

0,63 mg/l/196 *Pimephales promelas*; pubblicazione (1999=

Chronic NOEC for Crustacea

1,18 mg/l/21d *Daphnia magna*; eq. o sim. OECD 202

ETHANOLAMINE

LC50 - for Fish

349 mg/l/96h

EC50 - for Crustacea

65 mg/l/48h

EC50 - for Algae / Aquatic Plants

2,1 mg/l/72h

Chronic NOEC for Fish

1,24 mg/l

Chronic NOEC for Crustacea

0,85 mg/l

Chronic NOEC for Algae / Aquatic Plants

1 mg/l

12.2. Persistence and degradability**DIFENIL ETERE**

Solubility in water

18 mg/l 25°C; OECD 105

Rapidly degradable

American Public Health Association: 76% in 20d

ALCOHOLS, C12-13, BRANCHED AND
LINEAR, ETHOXYLATED (7 OE)
Rapidly degradable

ALCOHOLS, C12-14, ETHOXYLATED,
SULFATES, SODIUM SALTS

Solubility in water

280000 mg/l

Rapidly degradable

100% in 28d; EU Method C.4-A

REACTION MASS OF 5-CHLORO-2-
METHYL-2H-ISOTHIAZOL-3-ONE AND 2-
METHYL-2H-ISOTHIAZOL-3-ONE (3:1)
NOT rapidly degradable

Benzenesulfonic acid, mono-C10-13-alkyl
derivs., compds. with ethanolamine

Rapidly degradable

OECD 301 F: 56 % in 28d

ETHANOLAMINE

Solubility in water

1000000 mg/l

Rapidly degradable

DIMETHYL FORMAMIDE

**D1012407 - SCALA LAVATRICE
BICARBONATO**

Solubility in water 1000 - 10000 mg/l
Entirely degradable

12.3. Bioaccumulative potential**DIFENIL ETERE**

Partition coefficient: n-octanol/water 4,21 Log Kow 25°C

**ALCOHOLS, C12-14, ETHOXYLATED,
SULFATES, SODIUM SALTS**

Partition coefficient: n-octanol/water 0,3 Log Kow

ETHANOLAMINE

Partition coefficient: n-octanol/water -1,3

DIMETHYL FORMAMIDE

Partition coefficient: n-octanol/water -0,85

BCF 0,3

12.4. Mobility in soil**ALCOHOLS, C12-13, BRANCHED AND
LINEAR, ETHOXYLATED (7 OE)**

Partition coefficient: soil/water 5000 l/kg QSAR

**ALCOHOLS, C12-14, ETHOXYLATED,
SULFATES, SODIUM SALTS**

Partition coefficient: soil/water 2,2 l/kg

ETHANOLAMINE

Partition coefficient: soil/water 0,166 l/kg

DIMETHYL FORMAMIDE

Partition coefficient: soil/water < 10

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



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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



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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

Regolamento BPR (reg. biocidi (UE) n. 528/2012).

Sostanze soggette al Regolamento (UE) n. 528/2012 (Messa a disposizione sul mercato e uso dei biocidi):

Miscela di: 5-cloro-2-metil-2H-isotiazol-3-one [EC no. 247-500-7]; 2-metil-2H-isotiazol-3-one [EC no. 220-239-6] (3:1)

Numero CAS: 55965-84-9.

Approvato per tipo di prodotto 6 (PT 6 - Conservanti per i prodotti durante lo stoccaggio) con regolamento di esecuzione (UE) 131/2016

ID di approvazione: 1373-06 il 1 luglio 2017

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

Seveso Category - Directive 2012/18/EC: 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	GERANILOLO REACH Reg.: 01- 2119552430-49
Point	75	SUBTILISIN REACH Reg.: 01- 2119480434-38
Point	75	CI 42051
Point	75	LINALLOOL REACH Reg.: 01- 2119474016-42
Point	75	REACTION MASS OF 5-CHLORO-2- METHYL-2H- ISOTHIAZOL-3-ONE AND 2-METHYL-2H- ISOTHIAZOL-3-ONE (3:1)



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Point	75	ETHANOLAMINE REACH Reg.: 01- 2119486455-28
Point	72-75	DIMETHYL FORMAMIDE

Regulation (EC) No. 2019/1148 - on the marketing and use of explosives precursors

Not applicable

Substances in Candidate List (Art. 59 REACH)

DIMETHYL FORMAMIDE

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 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.

Regulation (EC) No. 648/2004

Ingredients according to Regulation (EC) No. 648/2004

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.2. Chemical safety assessment

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

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

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PROCEDURA DI CLASSIFICAZIONE

Skin Irr, Cat 2, H315 secondo metodo di calcolo

Eye Irr., Cat 2, H319. Eseguito test su formula simile in componenti che generano classificazione H318 (D7011653). riferimenti test: BIOSERVICE N. 145677A +DET-NET B42

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

Flam. Liq. 3	Flammable liquid, category 3
Repr. 1B	Reproductive toxicity, category 1B
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
Skin Corr. 1C	Skin corrosion, category 1C
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Skin Sens. 1A	Skin sensitization, category 1A
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H226	Flammable liquid and vapour.
H360D	May damage the unborn child.
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
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.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

Use descriptor system:



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PC 35 Washing and cleaning products
PROC 3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 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 NUMBER: 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: EC Regulation 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 (EU) 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)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety



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- 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 / 12 / 15.