



SINIT INTERMAR S.R.L.

Revision nr. 3

Dated 19/03/2018

SUBCOM 150 COMP B

Printed on 19/03/2018

Page n. 1/17

Safety Data Sheet

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

1.1. Product identifier: SUBCOM 150 COMP. B

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

1.3. Details of the supplier of the safety data sheet

Name	SINIT INTERMAR S.r.l.
Full address	Via Vincenzo Chiarugi, 76/T
District and Country	45100 ROVIGO Italia
	Tel. +39 0425 361961
	Fax +39 0425 410115

e-mail address of the competent person responsible for the Safety Data Sheet	info@sinitworks.com
Product distribution by:	Cesare Giovannoni

1.4. Emergency telephone number

For urgent inquiries refer to	+39 0425 361961 Office hours otherwise, Centro Antiveleni Policlinico Agostino Gemelli Roma Tel +39 06 3054343
-------------------------------	---

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 2015/830. 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:

Acute toxicity, category 4	H302	Harmful if swallowed.
Skin corrosion, category 1B	H314	Causes severe skin burns and eye damage.
Serious eye damage, category 1	H318	Causes serious eye damage.
Skin sensitization, category 1A	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

SUBCOM 150 COMP B

Hazard pictograms:



Signal words:

Danger

Hazard statements:

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

Precautionary statements:

P260	Do not breathe dust / fume / gas / mist / vapours / spray.
P280	Wear protective gloves/ protective clothing / eye protection / face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Contains:	3-Aminometil-3,5,5-trimetilcicloesilamina ADDOTTO DI IPDA M-PHENYLENEBIS (METHYLAMINE) 3,6,9-Triazaundecano-1,11-diamino 2,4,6-Tri (dimetilaminometil) fenolo
------------------	---

2.3. Other hazards

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

SECTION 3. Composition/information on ingredients**3.1. Substances**

Information not relevant

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
BARIO SOLFATO		
CAS 7727-43-7	$29 \leq x < 34$	
EC 231-784-4		
INDEX -		



SUBCOM 150 COMP B

Reg. no. 01-2119491274-35-xxxx

BENZYL ALCOHOL

CAS 100-51-6

 $14 \leq x < 19$

Acute Tox. 4 H302, Acute Tox. 4 H332, Eye Irrit. 2 H319

EC 202-859-9

INDEX 603-057-00-5

ADDOTTO DI IPDA

CAS 38294-64-3

 $14 \leq x < 19$

Acute Tox. 4 H302, Acute Tox. 4 H312, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Chronic 3 H412

EC 500-101-4

INDEX -

3-Aminometil-3,5,5-trimetilcicloesilamina

CAS 2855-13-2

 $6 \leq x < 7$

Acute Tox. 4 H302, Acute Tox. 4 H312, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Chronic 3 H412

EC 220-666-8

INDEX 612-067-00-9

M-PHENYLENEBIS (METHYLAMINE)

CAS 1477-55-0

 $3 \leq x < 4$

Acute Tox. 4 H302, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1B H317, Aquatic Chronic 3 H412, EUH071

EC 216-032-5

INDEX -

MXDA

CAS 1477-55-0

 $2 \leq x < 3$

Acute Tox. 3 H331, Acute Tox. 4 H302, Skin Corr. 1B H314, Eye Dam. 1 H318, Aquatic Chronic 3 H412

EC -

INDEX 216-032-5

2,4,6-Tri (dimetilaminometil) fenolo

CAS 90-72-2

 $1 \leq x < 2$

Skin Corr. 1C H314, Eye Dam. 1 H318, Skin Sens. 1B H317

EC 202-013-9

INDEX 603-069-00-0

Reg. no. 01-2119560597-27-XXXX

PARATERZIARIOBUTILFENOLO

CAS 98-54-4

 $0,69 \leq x < 0,9$

Repr. 2 H361, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, Aquatic Chronic 2 H411

EC 202-679-0

INDEX -

3,6,9-Triazaundecano-1,11-diamino

CAS 112-57-2

 $0,69 \leq x < 0,9$

Acute Tox. 4 H302, Acute Tox. 4 H312, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Chronic 2 H411

EC 203-986-2

INDEX 612-060-00-0

ETHOXYLATED NONYL PHENOL

CAS 9016-45-9

 $0,69 \leq x < 0,9$

Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335

EC 500-024-6

INDEX -

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

3,6,9-Triazaundecano-1,11-diamino

3,6,9-TRIAZAUNDECANO-1,1-DIAMINO

With the lighting you will have a fire class B. In case of fire use significant quantities: water spray, foam synthetic. In case of fire, small amounts of Carbon dioxide (CO₂), extinguishing powders, Dry sand or limestone

SPECIAL HAZARDS EXPOSURE (FOR FIRE)

It can generate toxic combustion products, irritating or flammable.

You must prevent contact of the liquid with skin.

If the product is mixed with an oxidizing agent (eg, ammonia, caustic soda), there may be reactions and sudden fires. Can generate carbon dioxide, oxides of nitrogen toxic ammonia gas. The staff in the vicinity and in wind direction has to be evacuated.

Keep liquids used for extinguishing the flames and then delete them.

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).



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. If the product is flammable, use explosion-proof equipment. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

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

6.4. Reference to other sections

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

SECTION 7. Handling and storage

7.1. Precautions for safe handling

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

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

SVN

Slovenija

Uradni list Republike Slovenije 04.06.2015 (1602) - Pravilnik o spremembah in dopolnitvah Pravilnika o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu

TLV-ACGIH

ACGIH 2017

BARIO SOLFATO

Threshold Limit Value



SUBCOM 150 COMP B

Type	Country	TWA/8h	STEL/15min
		mg/m3	ppm
		ppm	mg/m3
TLV-ACGIH		10	
Predicted no-effect concentration - PNEC			
Normal value in fresh water		227,8	mg/l
Normal value for fresh water sediment		7927	mg/kg
Normal value of STP microorganisms		50,1	mg/l
Normal value for the terrestrial compartment		2077	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL						
Route of exposure	Effects on consumers			Effects on workers		
	Acute local	Acute systemic	Chronic systemic	Chronic local	Chronic systemic	
Oral					VND	13000 mg/kg/d
Inhalation		VND	10 mg/m3		10 mg/m3	VND

BENZYL ALCOHOL						
Predicted no-effect concentration - PNEC						
Normal value in fresh water			1		mg/l	
Normal value in marine water			1		mg/l	
Normal value for fresh water sediment			527		mg/kg/d	
Normal value for marine water sediment			527		mg/kg/d	
Normal value of STP microorganisms			39		mg/l	
Normal value for the terrestrial compartment			456		mg/kg/d	

Health - Derived no-effect level - DNEL / DMEL						
Route of exposure	Effects on consumers			Effects on workers		
	Acute local	Acute systemic	Chronic systemic	Chronic local	Chronic systemic	
Oral		20 mg/kg bw/d	4 mg/kg/d			
Inhalation		110 mg/m3	22 mg/m3			
Skin		20 mg/kg/d		40 mg/kg/d	8 mg/kg/d	

M-PHENYLENEBIS (METHYLAMINE)						
Threshold Limit Value						
Type	Country	TWA/8h	STEL/15min			
		mg/m3	ppm			
		ppm	mg/m3			
MV	SVN	0,1				
TLV-ACGIH			0,1 (C)			
Predicted no-effect concentration - PNEC						
Normal value in fresh water			94		mg/l	
Normal value in marine water			94		mg/l	
Normal value for fresh water sediment			34		mg/kg	
Normal value for marine water sediment			34		mg/kg	
Normal value of STP microorganisms			10		mg/l	

2,4,6-Tri (dimetilaminometil) fenolo						
Predicted no-effect concentration - PNEC						

**SUBCOM 150 COMP B**

Normal value in fresh water	0,084	mg/l
Normal value in marine water	0,0084	mg/l
Normal value for water, intermittent release	0,84	mg/l
Normal value of STP microorganisms	0,2	mg/l

Health - Derived no-effect level - DNEL / DMEL					
Route of exposure	Effects on consumers		Effects on workers		
	Acute local	Acute systemic	Chronic systemic	Chronic local	Chronic systemic
Inhalation				VND	0,31 mg/m ³

ETHOXYLATED NONYL PHENOL		
Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,0035	mg/l
Normal value in marine water	0,00035	mg/l
Normal value for water, intermittent release	0,035	mg/l
Normal value of STP microorganisms	50	mg/l

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

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 Directive 89/686/EEC 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).

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

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.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	paste
Colour	Pigmented
Odour	solvent
Odour threshold	Not available
pH	Not available
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	> 61 °C
Evaporation Rate	Not available
Flammability of solids and gases	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	1,40
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information

Information not available

VOC (Directive 2010/75/EC) :

SECTION 10. Stability and reactivity

3,6,9-Triazaundecano-1,11-diamino

3,6,9-TRIAZAUNDECANO-1,1-DIAMINO

MATERIALS TO AVOID: Mineral acids (for es.solforico, phosphoric, etc ..) Organic acids (for es.acido acetic acid, citric acid, etc.), Oxidizing agents (for es.perclorati and nitrates, etc.) Reactive metals (for es.calcio, sodium, zinc, etc ..) Sodium or Calcium ipoclorito.ATTENZIONE! The N-Nitrosamines, many of which are known as poteti carcinogens, may be formed when the product comes in contact with nitrous acid, nitrites or in the atmosphere with high concentrations of nitric oxide. The product slowly corrodes copper, aluminum body, zinc and galvanized surfaces. The reaction with peroxides can lead to a violent decomposition of peroxides, with the possibility of explosions. Products reactive with hydroxyl compounds nitrites, agents nitrositanti. When the product is mixed with acids it has a reaction accompanied by large heat development. The heat may be sufficient to cause vigorous boiling, with the risk of splashes or sprays of hot material.

HAZARDOUS DECOMPOSITION PRODUCTS

Nitric oxide can react with water vapor to form corrosive nitric acid. The carbon monoxide in fires. Carbonicanegli dioxide fire. Ammonia when heated. The nitrogen oxides in fires. Tossicied irritating fumes at high temperatures. Nitric acid in fires. Nitrosamines. Aldehydes. The oxides of nitrogen gas



(except the product of action) issued alladecomposizione are highly toxic.

10.1. Reactivity

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

BENZYL ALCOHOL

Decomposes at temperatures above 870°C/1598°F.Possibility of explosion.

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.

BENZYL ALCOHOL

May react dangerously with: hydrobromic acid,iron,oxidising agents,sulphuric acid.Risk of explosion on contact with: phosphorus trichloride.

10.4. Conditions to avoid

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

BENZYL ALCOHOL

Avoid exposure to: air,sources of heat,naked flames.

10.5. Incompatible materials

BENZYL ALCOHOL

Incompatible with: sulphuric acid,oxidising substances,aluminium.

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 toxicological effectsMetabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

**SUBCOM 150 COMP B**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

LC50 (Inhalation) of the mixture:

> 20 mg/l

LD50 (Oral) of the mixture:

1346,92 mg/kg

LD50 (Dermal) of the mixture:

>2000 mg/kg

Corrosive to the respiratory tract.

PARATERZIARIOBUTILFENOLO

LD50 (Oral) > 2000 mg/kg rat

3-Aminometil-3,5,5-trimetilcicloesilamina

LD50 (Oral) 1030 mg/kg rat

3,6,9-Triazaundecano-1,11-diamino

LD50 (Oral) 3250 mg/kg Rat

LD50 (Dermal) < 1260 mg/kg Rabbit

LC50 (Inhalation) > 9,9 ppm rat

2,4,6-Tri (dimetilaminometil) fenolo

LD50 (Dermal) > 971 mg/kg Ratto

ETHOXYLATED NONYL PHENOL

LD50 (Oral) 1,31 mg/kg Rat

LD50 (Dermal) 2 mg/kg Rabbit

M-PHENYLENEBIS (METHYLAMINE)

LD50 (Oral) > 200 mg/kg Rat - Sprague-Dawley



SUBCOM 150 COMP B

LD50 (Dermal) 3100 mg/kg Rat

LC50 (Inhalation) 1,34 mg/l Rat - Wistar

BENZYL ALCOHOL

LD50 (Oral) 1230 mg/kg Rat

LD50 (Dermal) 2000 mg/kg Rabbit

LC50 (Inhalation) > 4,1 mg//4h Rat

MXDA

LD50 (Oral) > 2000 mg/kg rat

LD50 (Dermal) > 3100 mg/kg rat

BARIO SOLFATO

LD50 (Oral) > 5000 mg/kg rat

LD50 (Dermal) > 2000 mg/kg rat

SKIN CORROSION / IRRITATION

Corrosive for the skin

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

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

SECTION 12. Ecological information

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

12.1. Toxicity

PARATERZIARIOBUTILFENOLO

LC50 - for Fish	> 1 mg/l/96h Oncorhynchus mykiss
EC50 - for Crustacea	4,8 mg/l/48h Daphnia
EC50 - for Algae / Aquatic Plants	1,6 mg/l/72h Pesci

3-Aminometil-3,5,5-trimetilcicloesilamina

LC50 - for Fish	110 mg/l/96h Leuciscus idus
EC50 - for Crustacea	23 mg/l/48h daphnia magna
EC50 - for Algae / Aquatic Plants	37 mg/l/72h Desmodesmus subspicatus

3,6,9-Triazaundecano-1,11-diamino

LC50 - for Fish	420 mg/l/96h Poecilia
EC50 - for Crustacea	< 24,1 mg/l/48h daphnia magna
EC50 - for Algae / Aquatic Plants	< 6,8 mg/l/72h green algae

2,4,6-Tri (dimetilaminometil) fenolo

LC50 - for Fish	964 mg/l/96h
-----------------	--------------

M-PHENYLENEBIS (METHYLAMINE)

LC50 - for Fish	87,6 mg/l/96h Oryzias latipes
EC50 - for Crustacea	15,2 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	20,3 mg/l/72h Pseudokirchnerella subcapitata

BENZYL ALCOHOL

LC50 - for Fish	460 mg/l/96h Pimephales promelas
EC50 - for Crustacea	230 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	700 mg/l/72h Pseudokirchnerella subcpitata

SUBCOM 150 COMP B

MXDA

LC50 - for Fish	87,6 mg/l/96h <i>Oryzias latipes</i>
EC50 - for Crustacea	15,2 mg/l/48h <i>daphnia magna</i>
EC50 - for Algae / Aquatic Plants	20,3 mg/l/72h <i>Pseudokirchnerella subcapitata</i>

BARIO SOLFATO

LC50 - for Fish	> 3,5 mg/l/96h <i>Danio rerio</i>
EC50 - for Crustacea	14,5 mg/l/48h <i>daphnia magna</i>
EC50 - for Algae / Aquatic Plants	> 100 mg/l/72h <i>Pseudokirchnerella subcapitata</i>

12.2. Persistence and degradability

ETHOXYLATED NONYL PHENOL

Solubility in water	> 10000 mg/l
Rapidly degradable	

M-PHENYLENEBIS (METHYLAMINE)

Solubility in water	1000 - 10000 mg/l
Rapidly degradable	

BENZYL ALCOHOL

Rapidly degradable

12.3. Bioaccumulative potential

ETHOXYLATED NONYL PHENOL

Partition coefficient: n-octanol/water	3,7
--	-----

M-PHENYLENEBIS (METHYLAMINE)

Partition coefficient: n-octanol/water	0,18
--	------

BENZYL ALCOHOL

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

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 greater than 0,1%.

12.6. 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.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information**14.1. UN number**

ADR / RID, IMDG, 3267
IATA:

14.2. UN proper shipping name

ADR / RID: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (ADDOTTO DI IPDA ; 3-Aminometil-3,5,5-trimetilcicloesilamina)

IMDG: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (ADDOTTO DI IPDA ; 3-Aminometil-3,5,5-trimetilcicloesilamina)

IATA: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (ADDOTTO DI IPDA ; 3-Aminometil-3,5,5-trimetilcicloesilamina)

14.3. Transport hazard class(es)

ADR / RID: Class: 8 Label: 8

IMDG: Class: 8 Label: 8

IATA: Class: 8 Label: 8

**14.4. Packing group**

ADR / RID, IMDG, II
IATA:

14.5. Environmental hazards

ADR / RID: NO

IMDG: NO

IATA: NO

14.6. Special precautions for user

ADR / RID: HIN - Kemler: 80

Limited
Quantities: 1
L

Tunnel
restriction
code: (E)



SUBCOM 150 COMP B

IMDG:	Special Provision: - EMS: F-A, S-B	Limited Quantities: 1 L	
IATA:	Cargo:	Maximum quantity: 30 L	Packaging instructions: 855
	Pass.:	Maximum quantity: 1 L	Packaging instructions: 851
	Special Instructions:	A3, A803	

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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/EC: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 3

Contained substance

Point 46 ETHOXYLATED
NONYL PHENOL

Substances in Candidate List (Art. 59 REACH)

ETHOXYLATED NONYL PHENOL

Substances subject to authorisation (Annex XIV REACH)

ETHOXYLATED NONYL PHENOL

Sunset Date: 04/01/2021

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.

SECTION 16. Other information

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

Repr. 2	Reproductive 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. 1	Skin sensitization, category 1
Skin Sens. 1A	Skin sensitization, category 1A
Skin Sens. 1B	Skin sensitization, category 1B
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H361	Suspected of damaging fertility or the unborn child.
H331	Toxic if inhaled.
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.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- 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 STEL: Short-term exposure limit
- TWA: Time-weighted average 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) 790/2009 (I Atp. CLP) of the European Parliament
 4. Regulation (EU) 2015/830 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)
- 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.

Changes to previous review:

The following sections were modified:

03 / 08 / 11 / 12 / 15.