

Conforms to Reg. (EU) 830/2015

Edited by

Board Code S-P4/2-2 Board Date 05/2010

04.4 24.0 00,20.1

Page

Board Rev. 1

Document no

Revision date 15.11.2018

0

Rev. n°

RLAB

DG RLAB

Approved by

Filed by

1 di 11

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

1.1. Product identifier

Code: 036_088

Product name TRONCHETTO Spazzacamino AMACASA

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

Identified Uses Industrial Professional Consumer detergent for cleaning chimneys and combustion chambers

Uses Advised Against

Do not use for uses other than those indicated

1.3. Details of the supplier of the safety data sheet

Name
NEW FADOR S.r.I.

Full address
Via M. Calderara 31

25018 Montichiari (BS)
Tel. +39 030 961243

Fax +39 030 962500

e-mail address of the competent person

responsible for the Safety Data Sheet info@newfador.it

1.4. Emergency telephone number

For urgent inquiries refer to tel. +39 030 961243 (office hours)

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:

Eye irritation, category 2 H319 Causes serious eye 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.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/ protective clothing / eye protection / face protection.

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

rinsing.

P337+P313 If eye irritation persists: Get medical advice / attention.



Conforms to Reg. (EU) 830/2015

Board Code S-P4/2-2 Board Date 05/2010

Board Rev. 1

Document n°	Revision date	Rev. n°	Edited by	Approved by	Filed by	Page
91/18	15.11.2018	0	RLAB	DG	RLAB	2 di 11

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

30% and more aliphatic hydrocarbons

Preservation agents: o-phenylphenol

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

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
PARAFFIN WAXES AND HYDROCARBON WAXES		
CAS 8002-74-2	54 ≤ x < 58	
EC 232-315-6		
INDEX -		
Reg. no. 01-2119488076-30		
AMMONIUM CHLORIDE		
CAS 12125-02-9	$3 \le x < 3,5$	Acute Tox. 4 H302,
EC 235-186-4		Eye Irrit. 2 H319
INDEX 017-014-00-8		
Reg. no. 01-2119487950-27		
CALCIUM HYDROXIDE		
CAS 1305-62-0	2 ≤ x < 2,5	Eye Dam. 1 H318,
		Skin Irrit. 2 H315,
EC 215-137-3		STOT SE 3 H335
INDEX -		
Reg. no. 01-2119475151-45-		
KIESELGUHR, SODA ASH FLUX-CALCINED		
CAS 68855-54-9	2 ≤ x < 2,5	STOT RE 2 H373
EC 272-489-0	2 = 1 < 2,0	0101 KE 211373
INDEX -		
Reg. no. 01-2119488518-22		
BIPHENYL-2-OL		
CAS 90-43-7	1 ≤ x < 1,5	Eye Irrit. 2 H319,
	,-	Skin Irrit. 2 H315,
		STOT SE 3 H335,
FC 201-003-5		Aquatic Acute 1 H400 M=1

EC 201-993-5 INDEX 604-020-00-6 Reg. no. 01-2119511183-53

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 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Wash contaminated clothing before using it again. INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately. INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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



91

MATERIAL SAFETY DATA SHEET

Conforms to Reg. (EU) 830/2015

Board Code S-P4/2-2 Board Date 05/2010

Board Rev. 1

ument n°	Revision date	Rev. n°	Edited by	Approved by	Filed by	Page
1/18	15.11.2018	0	RLAB	DG	RLAB	3 di 11

Specific information on symptoms and effects caused by the product are unknown.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

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

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

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

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal firefighting 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

If there are no contraindications, spray powder with water to prevent the formation of dust.

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 and place it in containers for recovery or disposal. If there are no contraindications, use jets of water to eliminate product residues.

Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. 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.



Conforms to Reg. (EU) 830/2015

Board Code S-P4/2-2 Board Date 05/2010

Board Rev. 1

Document n°	Revision date	Rev. n°	Edited by	Approved by	Filed by	Page
91/18	15.11.2018	0	RLAB	DG	RLAB	4 di 11

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

DEU TRGS 900 (Fassung 31.1.2018 ber.) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte Deutschland JORF n°0109 du 10 mai 2012 page 8773 texte n° 102 ESP España FRA France GBR United Kingdom EH40/2005 Workplace exposure limits NLD Nederland Databank of the social and Economic Concil of Netherlands (SER) Values, AF 2011:18 POL Polska ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 7 czerwca 2017 r SVN Uradni list Republike Slovenije 04.06.2015 (1602) - Pravilnik o spremembah in dopolnitvah Pravilnika o Slovenija varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive OEL EU EU 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.

TLV-ACGIH ACGIH 2018

PARAFFIN WAXES	AND HYDROCARBON WAXES
----------------	-----------------------

KIESELGUHR. SODA ASH FLUX-CALCINED

Threshold Limit Valu	ue				
Туре	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV-ACGIH		2			

Туре	Country	TWA/8h		STEL/15min		
	•	mg/m3	ppm	mg/m3	ppm	
VLA	ESP	10		20		
VLEP	FRA	10				
WEL	GBR	10		20		
MAC	NLD	10				
NDS	POL	10		20		
TLV-ACGIH		10		20		
Predicted no-effect conce	entration - PNEC					
Normal value in fresh wa	ter			1,2	mg/l	
Normal value in marine v	vater			11,2	mg/l	
Normal value for water, in	ntermittent release			1,2	mg/l	
Normal value of STP mic	roorganisms			16,2	mg/l	
Normal value for the terre	estrial compartment			0,163	mg/kg	

riorma raido for the torroot.	omai value for the terredular compartment			0,.00		9,9		
Health - Derived no-effe	ect level - DNEL / D	MEL						
	Effects on				Effects on			
	consumers				workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
				systemic		systemic		systemic
Oral				11,4 mg/kg				
				bw/d				
Inhalation				9,9 mg/m3				33,5 mg/m3
Skin				114 mg/kg bw/d				190 mg/kg bw/d

razozzoriit, oobrt	TOTT LOX OFTER							
Predicted no-effect concen	tration - PNEC							
Normal value of STP microorganisms 100 mg/l								
Health - Derived no-effect level - DNEL / DMEL								
	Effects on				Effects on			
	consumers				workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
				systemic		systemic		systemic
Oral				18,7 mg/kg				
				bw/d				
Inhalation				0,05 mg/m3				0,05 mg/m3



Conforms to Reg. (EU) 830/2015

Board Code S-P4/2-2 Board Date 05/2010

Board Rev. 1

Document n°	Revision date	Rev. n°	Edited by	Approved by	Filed by	Page
91/18	15.11.2018	0	RLAB	DG	RLAB	5 di 11

CALCIUM HYDROXID								
Туре	Country	TWA/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
MAK	DEU	1		2		INHAL		
VLA	ESP	5						
VLEP	FRA	5						
WEL	GBR	5						
MAC	NLD	5						
NDS	POL	2		6				
MV	SVN	5						
OEL	EU	1		4		RESP		
TLV-ACGIH		5						
Predicted no-effect concer	ntration - PNEC							
Normal value in fresh wate	er			0,49	mį	g/l		
Normal value in marine wa	iter			0,32	mç	g/l		
Normal value for water, into	ermittent release			0,49	mç	g/l		
Normal value of STP micro	oorganisms			3	mç	g/l		
Normal value for the terres	strial compartment			1080	mç	g/kg		
Health - Derived no-ef	ffect level - DNEL / I Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation	4 mg/m3		1 mg/m3	•	4 mg/m3	•	1 mg/m3	•
BIPHENYL-2-OL								
Predicted no-effect concer	ntration - PNEC							
Normal value in fresh water	er			0,001	mį	g/l		
Normal value for fresh wat	er sediment			0,128	mį	g/kg		
Normal value for marine w	ater sediment			0,013	mį	g/kg		
Normal value of STP micro	oorganisms			0,56	mį	g/l		
Normal value for the food of	chain (secondary poisor	ning)		1,87	mç	g/kg		
Normal value for the terres	strial compartment			2,5	mç	g/kg		
Health - Derived no-ef	ffect level - DNEL / I Effects on consumers	DMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,4 mg/kg bw/d		,		. ,
Inhalation				1,2 mg/m3				19,25 mg/m3
Skin				0,4 mg/kg bw/d				21,84 mg/kg bw/d

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction. VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

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

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 I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with



Conforms to Reg. (EU) 830/2015

Board Code S-P4/2-2 Board Date 05/2010

Board Rev. 1

Document n°	Revision date	Rev. n°	Edited by	Approved by	Filed by	Page
91/18	15.11.2018	0	RLAB	DG	RLAB	6 di 11

soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

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.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance solid Colour brown Wood-paraffine Odour Odour threshold Not available pН Not available Melting point / freezing point Not available Initial boiling point Not available Boiling range Not available Flash point > 206 °C Evaporation rate Not available Flammability (solid, gas) 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 Not available Solubility Not available Partition coefficient: n-octanol/water Not available Auto-ignition temperature 650 °C Decomposition temperature Not available Viscosity Not available

Explosive properties readily combustible and misuse may result in burns or uncontrolled fires

Oxidising properties the product is not an oxidizing substance

9.2. Other information

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

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

AMMONIUM CHLORIDE

Avoid exposure to: moisture, sources of heat.

10.5. Incompatible materials



Conforms to Reg. (EU) 830/2015

Board Code S-P4/2-2 Board Date 05/2010

200.0 20.0 00,20

Board Rev. 1

Document n°	Revision date	Rev. n°	Edited by	Approved by	Filed by	Page
91/18	15.11.2018	0	RLAB	DG	RLAB	7 di 11

AMMONIUM CHLORIDE

Incompatible with: water, bromine trifluoride, bromine pentafluoride, iodine heptafluoride, potassium chlorate, alkalis, alkaline carbonates, acids, lead salts, silver salts.

10.6. Hazardous decomposition products

AMMONIUM CHLORIDE

May develop: nitric oxide, ammonia, hydrochloric acid.

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 effects

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

LC50 (Inhalation) of the mixture:

Not classified (no significant component)

LD50 (Oral) of the mixture:

>2000 mg/kg

LD50 (Dermal) of the mixture:

Not classified (no significant component)

BIPHENYL-2-OL

LD50 (Oral) 2733 mg/kg

LD50 (Dermal) 2000 mg/kg

LC50 (Inhalation) 36 mg/l/4h

AMMONIUM CHLORIDE

LD50 (Oral) 1410 mg/kg Rat

LD50 (Dermal) > 2000 mg/kg rat

CALCIUM HYDROXIDE

LD50 (Oral) > 2000 mg/kg Rat

LD50 (Dermal) > 2000 mg/kg rat

LC50 (Inhalation) > 3 mg/l/4h rat

KIESELGUHR, SODA ASH FLUX-CALCINED

LD50 (Oral) > 2000 mg/kg rat

LC50 (Inhalation) > 2,6 mg/l/4h rat

PARAFFIN WAXES AND HYDROCARBON WAXES

LD50 (Oral) 5000 mg/kg Rat

LD50 (Dermal) 2000 mg/kg Rat

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY



Conforms to Reg. (EU) 830/2015

Board Code S-P4/2-2 Board Date 05/2010

Board Rev. 1

B-Carrier Control of the Control of							
Document n°	Revision date	Rev. n°	Edited by	Approved by	Filed by	Page	
91/18	15.11.2018	0	RLAB	DG	RLAB	8 di 11	

Does not meet the classification criteria for this hazard class <u>STOT - SINGLE EXPOSURE</u>

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class <u>ASPIRATION HAZARD</u>

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil and waterways. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

12.1. Toxicity

BIPHENYL-2-OL

 LC50 - for Fish
 4,5 mg/l/96h

 EC50 - for Crustacea
 2,7 mg/l/48h

 EC50 - for Algae / Aquatic Plants
 3,57 mg/l/72h

 Chronic NOEC for Fish
 0,036 mg/l

 Chronic NOEC for Crustacea
 0,009 mg/l

 Chronic NOEC for Algae / Aquatic Plants
 0,468 mg/l

AMMONIUM CHLORIDE

 LC50 - for Fish
 209 mg/l/96h

 EC50 - for Crustacea
 101 mg/l/48h

 EC50 - for Algae / Aquatic Plants
 90,4 mg/l/10d 10d

 Chronic NOEC for Fish
 11,8 mg/l 28d

 Chronic NOEC for Crustacea
 14,6 mg/l 21d

 Chronic NOEC for Algae / Aquatic Plants
 26,8 mg/l 10d

CALCIUM HYDROXIDE

 LC50 - for Fish
 50,6 mg/l/96h

 EC50 - for Crustacea
 49,1 mg/l/48h

 EC50 - for Algae / Aquatic Plants
 > 14 mg/l/72h

 Chronic NOEC for Crustacea
 32 mg/l

 Chronic NOEC for Algae / Aquatic Plants
 14 mg/l 72h

PARAFFIN WAXES AND HYDROCARBON WAXES

LC50 - for Fish > 100 mg/l/96h Pimephales promelas EC50 - for Crustacea > 10000 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants 100 mg/l/72h Pseudokirchneriella subcapitata

Chronic NOEC for Crustacea 10 mg/l

12.2. Persistence and degradability

BIPHENYL-2-OL Rapidly degradable

AMMONIUM CHLORIDE

Solubility in water > 10000 mg/l

Degradability: information not available

CALCIUM HYDROXIDE

Degradability: information not available

KIESELGUHR, SODA ASH FLUX-CALCINED Degradability: information not available

12.3. Bioaccumulative potential



Conforms to Reg. (EU) 830/2015

Board Code S-P4/2-2
Board Date 05/2010

Board Rev. 1

Document n°	Revision date	Rev. n°	Edited by	Approved by	Filed by	Page
91/18	15.11.2018	0	RLAB	DG	RLAB	9 di 11

BIPHENYL-2-OL

BCF 21,4

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.

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

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

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



91/18

MATERIAL SAFETY DATA SHEET

Conforms to Reg. (EU) 830/2015

RLAB

DG

Board Code S-P4/2-2 Board Date 05/2010

Board Rev. 1

ocument n° Revision date Rev. n° Edited by Approved by

Filed by Page RLAB 10 di 11

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006 None

0

Substances in Candidate List (Art. 59 REACH)

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

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

15.11.2018

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

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)

WGK 2: Hazard to waters

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

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

Acute Tox. 4 Acute toxicity, category 4

STOT RE 2 Specific target organ toxicity - repeated exposure, category 2

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

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

H302 Harmful if swallowed.

H373 May cause damage to organs through prolonged or repeated exposure.

H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H315 Causes skin irritation.

H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.

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



Conforms to Reg. (EU) 830/2015

Board Code S-P4/2-2 Board Date 05/2010

Board Rev. 1

Document n°	Revision date	Rev. n°	Edited by	Approved by	Filed by	Page
91/18	15.11.2018	0	RLAB	DG	RLAB	11 di 11

- 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 EditionHandling 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.