

**Review n.** 5 **Date review** 21/04/2021 **Printed** 21/04/2021 Page 1 di 12

# Safety data sheet

**SECTION 1. Identification of the substance/mixture and of the company/enterprise** 

Identification			
Code:	ESS16062008BLU		
Product name	OIÈ RESSENZA BLUE		
Description	Super-concentrated watery mixture of natural and synthetic substances with		
Description	polyvalent function.		
Recommended use and restrictions on use			
Use	Professional use only.		
	To be used for detergency, sanitation, deodorization, fragrance giving and dust		
	removal from environments and surfaces.		
	<b>Usage</b> : 1 spray (1 ml) of product in 1 l of water to clean and deodorize any washable		
	surface; 1 spray into drains to neutralize unpleasant odours; sprayed one time on a		
	cloth to dust furniture and frequently used objects.		
	RESTRICTIONS ON USE:		
	DO NOT directly spray it in the environment, but vaporize it from a distance of 20 cm		
	on a surface/tissue/water container to minimize the possible insurgence of respiratory		
	allergenic reactions.		
	DO NOT breath the vapour or the aerosol of pure product.		
	It is recommended NOT to use the product for purposes other than those provided.		
Details of the safety data she	et supplier		
Name	RUBINO CHEM S.r.l.		
Full address	Via Vigili del Fuoco Caduti in Servizio, 14/s INT.4		
District and Country	70026 Modugno		
	tel. (+39) 080 5035348		
	Fax (+39) 080 5008545		
E-mail of the responsible person for the Safety Data Sheet	customerservice@rubinochem.it		
Manufacturer	RUBINO CHEM S.r.l.		
Emergency telephone number	er		
	United Kingdom:		

#### **SECTION 2. Hazards identification**

For urgent inquiries:

### 2.1 Classification of the substance or mixture

999

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 EC Regulation 1907/2006 and subsequent amendments.

NHS 111 service if you urgently need medical help or advice but it's not a life-

threatening situation. For immediate, life-threatening emergencies, continue to call

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:



Review n. 5 Date review 21/04/2021 Printed 21/04/2021 Page 2 di 12

	Skin sensitization, categorial	ory 1	H317	May cause	an allergic skin reaction.
	Hazardous to the aquatic chronic toxicity, category		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.				
	Hazard pictograms:		<b>(!)</b>		
	Signal words:		Warning		
	Hazard statements:		<u>8</u>		
		H317	May cause an allergi	c skin reaction	
		H412	Harmful to aquatic li		effects.
		EUH208			imonene, Amyl Cinnamal, Eugenol,
					nethyl Ionone, Citronellol, Citral,
					l Acetate, Tetramethyl
					cetate, Hexyl Salicylate,
	Acetylcedrene. May produce an allergic reaction.			c reaction.	
	Precautionary statements	:			
	P102 Keep out of th		e reach of children.		
	P261	Avoid breathing vapours/ spray.			
	P280	Wear protective			
	P302+P352		Wash with plenty of water.		
	P333+P313+P312	feel unwell.			ention. Call a POISON CENTER if you
	P362+P364		minated clothing and v		
	P501	Dispose of cor	ntents/container in acco	ordance to national	law.
2.3	Other hazards.				
	On the basis of available	data, the produc	ct does not contain any	PBT or vPvB in pe	ercentage greater than 0,1%.
SECT	TION 3. Ingredients co	omposition/in	formation		
3.1	Substances Irrelevant information. T	he product is a r	nixture		
3.2					
3.4	Mixtures Contains:				
	Identification		Concentrati	ion (%)	Classification EC 1272/2008 (CLP)
	TERPINYL ACETATE (ISOMER MIXTURE)				20 12.2.2000 (CEI)
			Aquatic Chronic 2 H4		Aquatic Chronic 2 H411
	CAS 8007-35-0		1 - 2		
	EC 232-357-5				



Review n. 5 Date review 21/04/2021 Printed 21/04/2021 Page 3 di 12

0,5 - 0,7 Eye Irrit. 2 H3		
	Skin Sens. 1 H317 Eye Irrit. 2 H319	
CAS 78-70-6 Skin Irrit. 2 H2 EC 201-134-4	Skin Irrit. 2 H315	
2,2-dimetil-1,3-diossolan-4- ilmetanolo		
CAS 100-79-8 EC 202-888-7  Eye Irrit. 2 H3	319	
VERDYL ACETATE  0,1 - 1  Aquatic Chronic 3	3 H412	
CAS 5413-60-5 CE 226-501-6		
CL 220 301 0		
Quaternary ammonium compounds, benzyl-C12-14 (even-numbered)- alkyldimethyl, chlorides  Acute Tox. 4 H Skin Corr. 1B H Aquatic Acute 1 H4	H314,	
CAS 68424-85-1 Aquatic Chronic 1		
CE   207-325-2		
A-TERT-BUTYLCYCLOHEXYL   ACETATE     0,1 - 0,5   Skin Sens. 1 H   CE   250-954-9	[317	
Hexamethylindanopyran		
Benzyl Salicilate  Eye Irrit. 2 H3  0,1 - 0,5  Skin Sens. 1 H3  Aquatic Chronic 3	317,	
CAS   118-58-1	711112	
CE   204-262-9		
Amyl Cinammaldeide Skin Sens. 1 H	317,	
CAS 122-40-7 0,1 - 0,5 Aquatic Chronic 2		
CUMARINA Skin Sens. 1 H  0,1 - 0,3 Aquatic Chronic 3		
CAS 91-04-5		
CH + 2072-086-7		
CE   202-086-7		
CE   202-086-7	319	



Review n. 5 Date review 21/04/2021 Printed 21/04/2021 Page 4 di 12

BENZOIC ACID, 2-HYDROXY-, 2-HEXYL ESTER		Eye Irrit. 2 H319, Skin Irrit. 2 H315,
CAS   6259-76-3	0,1 - 0,3	Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1,
EC 228-408-6		Aquatic Chronic 1 H410
EUGENOLO		F. J. J. 2 11210
CAS 97-53-0	0,1 - 0,3	Eye Irrit. 2 H319, Skin Sens. 1 H317
CE 202-589-1		
METIL CEDRIL CHETONE		Skin Sens. 1 H317,
CAS 32388-55-9 CE 251-020-3	0,1 - 0,3	Aquatic Acute 1 H400 M=1 Aquatic Chronic 1 H410
Linalyll Acetate		Eye Irrit. 2 H319,
CAS 115-95-7 CE 204-116-4	0,1 - 0,3	Skin Irrit. 2 H315, Skin Sens. 1 H317
ETHYL VANILLINE		
CAS 121-32-4	0,1 - 0,3	Eye Irrit. 2 H319
CE 204-464-7	0,1 - 0,3	
ETANONE, 1,2,3,4,5,6,7,7,8-		Skin Irrit. 2 H315,
OCTAIDRO-2,3,8,8- TETRAMETIL-2-NAFTALENE	0,1 - 0,3	Skin Sens. 1 H317
CAS /	0,1 0,5	AquaticChronic 1 H410
CE 915-730-3		
ETILENE BRASSILATO		
CAS 105-95-3 CE 203-347-8	0,1 - 0,3	Aquatic Chronic 2 H411
Benzyl Acetato		
CAS 140-11-4	0,1 - 0,3	Aquatic Chronic 3 H412
CE 205-399-7		1
AMYL SALICYLATE	0.1.00	Aquatic Acute 1 H400 M=1,
CAS 2050-08-0	0,1 - 0,3	AquaticChronic 1 H410 Acute Tox. 4 H302
CE 911-280-7		Acute Tox. 11302
Terpineolo		Eye Irrit. 2 H319,
CAS 8000-41-7	0,1 - 0,3	Skin Irrit. 2 H315,
CE   232-268-1		
1-(5,6,7,8-TETRAHYDRO- 3,5,5,6,8,8-HEXAMETHYL-2-		Acute Tox. 4 H302
NAPHTALENYL)-ETHAN-1-ONE	0,1 - 0,2	Aquatic Acute 1 H400 M=1,
CAS 1506-02-1	0,1 0,2	Aquatic Chronic 1 H410
CE 216-133-4		
Diidromircenolo		Eye Irrit. 2 H319,
CAS 18479-58-8	0,1 - 0,2	Skin Irrit. 2 H315
CE   242-362-4		2 2.13.10
PHENYL ETHYL ALCOHOL		Eye Irrit. 2 H319,
CAS   60-12-8	0.1 0.2	Acute Tox. 4 H302
CE 200-456-2	0,1 - 0,2	



**Review n.** 5 **Date review** 21/04/2021 **Printed** 21/04/2021 Page 5 di 12

	Note: Upper limit is not included into the range.			
	The full wording of hazard (H) phrases is given in section 16 of the sheet.			
SECT	TON 4. First aid	measures		
DECI				
4.1	Description of first aid measures			
1.1	EYES	Remove contact lenses. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids. If problem persists, seek medical advice.		
	SKIN	Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention 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 authorized by a doctor.		
4.0	Most importar	nt symptoms and effects (acute and delayed)		
4.2		effects caused by the contained substances, see chap. 11.		
		-		
4.3	Indication in c	ase of emergency of medical and special treatments		
	Information not av	ranable.		
SECT	TON 5. Firefight	ing measures		
	Extinguishing	media		
5.1	SUITABLE	Extinguishing substances are: carbon dioxide and chemical powder. For product loss or leakage		
	EXTINGUISHIN			
	EQUIPMENT			
	UNSUITABLE			
	EXTINGUISHIN	,		
	EQUIPMENT			
5.2		ls arising from the substance or mixture		
		SED BY EXPOSURE TO FIRE		
	products.	of the product are involved in a fire, they can make it considerably worse. Do not breathe combustion		
	products.			
5.3	Advice for fire	fighters		
5.5	GENERAL INFO	RMATION		
	In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and			
		nd the development of substances potentially hazardous for health. Always wear full fire prevention gear.		
		ners containing the product from the fire, if it is safe to do so.		
		CTIVE EQUIPMENT FOR FIRE-FIGHTERS g clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in		
		self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).		
~===	<u>'</u>			
SECT	<b>TON 6. Accident</b>	al release measures		
6.1	Personal preca	nutions, protective equipment and emergency procedures		
6.1	Block the leakage if there is no hazard.			
	Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of			
	sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing st			
	and those involved	l in emergency procedures.		
( 2	Environmenta	l precautions		
6.2		not penetrate into the sewer system or come into contact with surface water or ground water.		
	ivietnods and r	naterial for containment and cleaning up		



#### **OIÈ RESSENZA BLUE**

**Review n.** 5 **Date review** 21/04/2021 **Printed** 21/04/2021
Page 6 di 12

6.3 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. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

Reference to other sections

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

### **SECTION 7. Handling and storage**

#### Precautions for safehandling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the productinto the environment.

7.2 Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. 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**

Information not available.

## 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.

#### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are 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.

#### **EYE PROTECTION**

Wear airtight protective goggles (see standard EN 166).



**Review n.** 5 **Date review** 21/04/2021 **Printed** 21/04/2021

Page 7 di 12

### 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		
7.1	Appearance	WHITE LIQUID	
	Odour	SCENTED FRAGRANCES	
	Odour threshold	Not available	
	pH	6.6± 0.1	
	Meltingpoint / freezingpoint	Not available	
	Initial boiling point or boling range	100.5 ± 0.5 (°C)	
	<u> </u>	> 60 °C	
	Flash point		
	Evaporation rate	Not available.  Not available.	
	Flammability (solid, gas)		
	Upper/ Lower inflammability or	Not available.	
	explosive limit		
	Vapour pressure	Not available.	
	Vapour density	$1.003 \pm 0.001$	
	Relative density	Not available.	
	Solubility	Solubility in water	
	Partition coefficient: n-octanol/water	Not available.	
	Auto-ignition temperature	Not available.	
	Decomposition temperature	Not available	
	Viscosity	$1.8 \pm 0.1$	
	Explosive properties	Not available.	
	Oxidising properties	Not available.	
9.2	Other information		
9.2	VOC (Directive 1999/13/CE)	$0.07 \pm 0.02$ (g COV / g sample) (equal to: $7\% \pm 2\%$ )	
OFCE	ION 10 Stability and reactivity		

#### SECTION 10. Stability and reactivity.

SECTI	ON 10. Stability and reactivity.
10.1	Reactivity
	There are no mortificate of reaction with other substances in normal conditions of use
	There are no particular risks of reaction with other substances in normal conditions of use.
10.0	Chemical stability
10.2	
	The product is stable in normal conditions of use and storage.
10.3	Possibility of hazardous reactions.
	No hazardous reactions are foreseeable in normal conditions of use and storage.
	-
10.4	Conditions to avoid.
	None in particular. However the usual precautions used for chemical products should be respected.
10.5	Incompatible materials.
	Information not available.
10.6	Hazardous decomposition products.
	Information not available.

## **SECTION 11. Toxicological information**

### **Information on toxicological effects**



Information not available.

#### **OIÈ RESSENZA BLUE**

**Review n.** 5 **Date review** 21/04/2021 **Printed** 21/04/2021

Page 8 di 12

11.1 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. Upon contact with skin, this product causes sensitization (dermatitis). Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Cutaneous lesions may include: erythemas, edemas, papules, vesicles, pustules, scurvies, ulcerations and exudative phenomena, whose intensity varies according to illness seriousness and affected areas. Erythemas, edemas and exudative phenomena prevail during the acute phase. Scurfy skin, dryness, ulcerations and skin thickening prevail during the chronic phase. This product contains sensitizing substance/s and may cause allergic reactions. Toxicological information about component substances: Substance: **CINNAMALDEHYDE** LD50 (Oral) 2220 mg/kg Rat LD50 (Dermal) 1000 mg/kg Rabbit Substance: 3,7-DIMETHYL OCTA-1,6-DIENE-3-OL LD50 (Oral) 2790 mg/kg Rat LD50 (Dermal) > 5000 mg/kg Rabbit Substance: alpha-Amylcinnamaldehyde LD50 (Oral) 3730mg/kg Rat LD50 (Dermal) > 2000 mg/kg Rabbit Substance: **EUGENOL** LD50 (Oral) 1930 mg/kg Rat Substance: **D-LIMONENE** LD50 (Oral) 4400 mg/kg Rat LD50 (Dermal) > 2000 mg/kg Rabbit Substance: **COUMARIN** LD50 (Oral) 196 mg/kg Mouse Substance: 4-TERT-BUTYLCYCLOHEXYL ACETATE LD50 (Oral) > 5000 Rat LD50 (Dermal) > 5000 mg/kg Rabbit **SECTION 12. Ecological information.** This product is dangerous for the environment and the aquatic organisms with long term negative effects on the aquatic environment. 12.1 **Toxicity D-LIMONENE** LC50 Fish 0,702 mg/l/96hP.promelas EC50 Crustacean 0.421 mg/l/48h Daphnia magna 12.2 Persistence and degradability Information not available. 12.3 **Bioaccumulative potential** 



Review n. 5 Date review 21/04/2021 Printed 21/04/2021 Page 9 di 12

10.4	T		
12.4			
	Information notavailable.		
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	er than 0,1%.	
12.6	Other adverse effects		
	Information not available		
SECT	TION 13. Disposalconsiderations.		
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 authorized waste management firm, in compliance with national and local regulations.		
	CONTAMINATED PACKAGING  Contaminated packaging must be recovered or disposed national waste management regulations.	d of in compliance with	
SECT	TION 14. Transport information.		
14.1	UN number		
1	Not applicable.		
14.2	UN proper shipping name Not applicable.		
14.3	Transport hazard class(es)		
	Not applicable.		
14.4	Packing group.		
1	Not applicable.		
14.5			
14.3	Environmental hazards Not applicable.		
14.6			
14.6	Special precautions for user		
	Not applicable.		
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		
	Information not relevant.		
SECT	TION 15. Regulatory information		
15.1	Safety, health and environmental regulations/legislation specific for the subst	ance or mixture.	
	Seveso Category	None	
	Restrictions on the product or substances contained under Annex 17 Regulation (EC) 1907/2006	Product: Point 3	
	Substances in Candidate List (Art. 59 REACH)	None	
	Substances subject to authorization (Exhibit XIV REACH)	None	
	Substances subject to export notification duty Reg. (CE) 649/2012	None	
	Substances subject to the Rotterdam Convention	None	
	Substances subject to the Stockholm Convention	None	



**Review n.** 5 **Date review** 21/04/2021 **Printed** 21/04/2021 Page 10 di 12

	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.
	Ingredients in accordance with Regulation CE N.648/2004	Non-ionic and cationic surfactants (<5%); Perfumes:  Linalool, Benzyl Salicylate, Limonene, Amyl Cinnamal, Eugenol, Coumarin, Benzyl Benzoate, Alpha-Isomethyl Ionone, Citronellol, Citral, Cinnamaldehyde.  Preservatives:  Methylchloroisothiazolinone And Methylisothiazolinone (CAS 55965-84-9)  The surfactant (s) contained in this preparation is ( are ) in compliance with with the biodegradability criteria established by Regulation ( EC ) Nr . 648/2004 on detergents.
15.2	Chemical safety assessment	

No chemical safety assessment has been provided for the mixture and the contained substances.

### **SECTION 16. Other information**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:		
Flam. Liq. 3	Flammable liquid, category 3	
Flam. Sol. 1	Flammable solid, category 1	
Acute Tox. 1	Acute toxicity, category 1	
Acute Tox. 4	Acute toxicity, category 4	
Asp. Tox. 1	Aspiration hazard, category 1	
Eye Irrit. 2	Eye irritation, category 2	
Skin Irrit. 2	Skin irritation, category 2	
Skin Sens. 1	Skin sensitization, category 1	
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 2	Hazardous to the aquatic environment, chronic toxicity, category 2	
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3	
H226	Flammable liquid and vapour.	
H302	Harmful if swallowed.	
H312	Harmful in contact with skin.	
H304	May be fatal if swallowed and enters airways.	
H319	Causes serious eye irritation.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	

#### 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



#### **OIÈ RESSENZA BLUE**

**Review n.** 5 **Date review** 21/04/2021 **Printed** 21/04/2021

Page 11 di 12

- GHS: Globally Harmonized System of classification and labelling 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 (EU) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EU) 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
- Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
   Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 10. The Merck Index. 10th Edition
- 11. Handling Chemical Safety
- 12. INRS Fiche Toxicologique (toxicological sheet)
- 13. Patty Industrial Hygiene and Toxicology
- 14. N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- 15. ECHA website

#### 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: All sections



Review n. 5 Date review 21/04/2021 Printed 21/04/2021 Page 12 di 12