	PIGAL S.R.L. A SOCIO UNICO	Revision nr. 1
<b>PIGAL</b> s.r.l.		
		Dated 06/01/2017
		First compilation
	REPELLENTE PER PICCIONI	Printed on 03/06/2019
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	Safety Data Sheet According to Annex II to REACH - Regulation 2015/830	
SECTION 1. Identification	n of the substance/mixture and of the company/u	undertaking
1.1. Product identifier		
Code:	C00299-05164	
Product name	REPELLENTE PER PICCIONI - REPELLENT FOR	PIGEONS
	e substance or mixture and uses advised against Ilent disaccustoming, external use.	
1.3. Details of the supplier of the s	afety data sheet	
Name	PIGAL S.R.L. A SOCIO UNICO	
Full address District and Country	Via G. Rossa, 2 40053 VALSAMOGGIA - Crespellano (BO) ITALIA	
	Tel. +39 051969068	
	Fax +39 051969353	
e-mail address of the competent pers	son	
responsible for the Safety Data Shee	health.safety@pigal.it; pigalab@pigal.it	
<b>1.4. Emergency telephone number</b> For urgent inquiries refer to	+39 051969068 ore ufficio/office hours (8.30-13; 1 118 (contattare il centro antiveleni più vicino)/ple control center	
SECTION 2. Hazards iden	ntification	
2.1. Classification of the substance	or mixture	
	lous pursuant to the provisions set forth in EC Regulation 1272/2008 (C	
nowever, since the product contains n	azardous substances in concentrations such as to be declared in secti	ion no. 5, it requires a salety data sheet with

appropriate information, compliant to (EU) Regulation 2015/830. Hazard classification and indication:

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### 2.2. Label elements

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

Hazard pictograms:

Signal words:

Hazard statements:

EUH210

Safety data sheet available on request.



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Precautionary statements:

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)
PROPAN-2-OL		
CAS 67-63-0	8,5 ≤ x < 10	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336
EC 200-661-7		
INDEX 603-117-00-0		
Reg. no. 01-2119457558-25		
DIETHYLENE GLYCOL MONOMETHYL ETHER		
CAS 111-77-3	1 ≤ x < 1,5	Repr. 2 H361d
EC 203-906-6		
INDEX 603-107-00-6		
1-METHOXY-2-PROPANOL		
CAS 107-98-2	1 ≤ x < 1,5	Flam. Liq. 3 H226, STOT SE 3 H336
EC 203-539-1		
INDEX 603-064-00-3		
Reg. no. 01-2119457435-35		

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. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

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

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



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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

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

#### 5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Excess pressure may form in containers exposed to fire at a risk of explosion. 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.



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**SECTION 7. Handling and storage** 

#### 7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. 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. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

### 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. 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

Regulatory References:

DEU ESP GBR GRC HRV ITA EU	Deutschland España United Kingdom Eλλάδα Hrvatska Italia OEL EU	TRGS 900 (Fassung 31.1.2018 ber.) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte INSHT - Límites de exposición profesional para agentes químicos en España 2017 EH40/2005 Workplace exposure limits EΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ -ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9 Φεβρουαρίου 2012 NN13/09 - Ministarstvo gospodarstva, rada i poduzetništva Decreto Legislativo 9 Aprile 2008, n.81 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 91/322/EEC.
	TLV-ACGIH	ACGIH 2018

PROPAN-2-OL Threshold Limit Value						
Туре	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
MAK	DEU		200		400	
VLA	ESP		400		500	
WEL	GBR		400		500	
TLV	GRC	980	400	1225	500	
TLV-ACGIH			200		400	



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Туре	Country	TWA/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	370	100	740	200			
MAK	DEU	370	100	740	200			
VLA	ESP	375	100	568	150	SKIN		
WEL	GBR	375	100	560	150	SKIN		
TLV	GRC	360	100	1080	300			
GVI	HRV	375	100	568	150	SKIN		
VLEP	ITA	375	100	568	150	SKIN		
OEL	EU	375	100	568	150	SKIN		
TLV-ACGIH		369	100	553	150			
Predicted no-effect concentratio	n - PNEC							
Normal value in fresh water				10	mg	ı/I		
Normal value in marine water				1	mg	/I		
Normal value for fresh water see	diment			41,6	mg	/kg		
Normal value for marine water s	ediment			4,17	mg	/kg		
Normal value for water, intermitt	ent release			100	mg	/I		
Normal value of STP microorgan	nisms			100	mg	/I		
Normal value for the terrestrial c	ompartment			2,47	mg	/kg		
Health - Derived no-effect		DMEL						
	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
Oral				3,3 mg/kg		oyotonno		oyotonno
Inhalation		43,9 mg/m3		bw/d	553,5 mg/m3			369 mg/m3
Skin				18,1 mg/kg bw/d				50,6 mg/kg bw/d
DIETHYLENE GLYCOL MC	NOMETHYL E	THER						
Threshold Limit Value Type	Country	TWA/8h		STEL/15min				
<i></i>		mg/m3	ppm	mg/m3	ppm			
VLA	ESP	50,1	10			SKIN		
TLV	GRC	50,1	10					
VLEP	ITA	50,1	10			SKIN		
OEL	EU	50,1	10			SKIN		

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



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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.

### 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 I 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).

### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a mask with a type AX filter, whose limit of use will be defined by the manufacturer (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

Appearance	liquid
Colour	transparent
Odour	typical - essence
Odour threshold	Not available
рН	9
Melting point / freezing point	> -10 °C
Initial boiling point	> 35 °C
Boiling range	Not available
Flash point	> 80 °C
Evaporation Rate	Not available
Flammability of solids and gases	not flammable
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available



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Not available Vapour pressure Vapour density Not available Relative density Not available Solubility miscible with water Partition coefficient: n-octanol/water Not available Auto-ignition temperature Not available Decomposition temperature Not available Not available Viscosity Explosive properties not applicable Oxidising properties Not available

### 9.2. Other information

VOC (Directive 2010/75/EC) :	11,90 %
VOC (volatile carbon) :	6,96 %

### **SECTION 10. Stability and reactivity**

### 10.1. Reactivity

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

PROPAN-2-OL: Reacts with acids and strong oxidizing agents. Attacks some plastics, rubber.

#### 1-METHOXY-2-PROPANOL

absorbs and disolves in water and in organic solvents, dissolves various plastic materials; it is stable but with air it may slowly form explosive peroxides.

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

#### DIETHYLENE GLYCOL MONOMETHYL ETHER

Reacts violently developing heat on contact with: alkaline metals,strong acids,strong oxidants,oleum.Fire hazard.Develops flammable gas on contact with: calcium hypochlorite.Develops hydrogen on contact with: aluminium.

### 10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

DIETHYLENE GLYCOL MONOMETHYL ETHER Possibility of explosion with air due to production of peroxides.

### 10.5. Incompatible materials

PROPAN-2-OL: Strong acids and oxidizing agents. Alkali metals. Aluminum. Iron. Amines.



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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.

DIETHYLENE GLYCOL MONOMETHYL ETHER When heated to decomposition releases: harsh fumes, zinc alloys.

## **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

PROPAN-2-OL - It can be absorbed into the body by inhalation of its vapor. A harmful contamination of the air will be reached rather slowly on evaporation of this substance at 20 ° C; However, on spraying or dispersing much faster. SHORT TERM EXPOSURE: The substance is irritating to the eyes and the respiratory tract. The substance may cause effects on the central nervous system, causing depression. Exposure far above OEL may result in a state of unconsciousness. REPEATED EXPOSURE OR LONG-TERM: The liquid defats the skin. ACUTE HAZARDS / SYMPTOMS Inhalation - Cough. Vertigo. Drowsiness. Headache. Sore throat. See Ingestion. CUTE - Dry skin. EYES - Redness. Ingestion - Abdominal pain. Difficulty breathing. Nausea. Unconsciousness. He retched. (Further see Inhalation). NOTE - Use of alcoholic beverages enhances the harmful effect. Metabolism, toxicokinetics, mechanism of action and other information Information not available

Information on likely routes of exposure

1-METHOXY-2-PROPANOL

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; room air inhalation; contact with the skin of products containing the substance.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### 1-METHOXY-2-PROPANOL

The main route of entry is the skin, while the respiratory route is less important, given the low vapor pressure of the product. Above 100 ppm there is irritation of the ocular, nasal and oropharyngeal mucous membranes. At 1000 ppm, disturbances in balance and severe eye irritation are noted. The clinical and biological tests performed on the exposed volunteers did not reveal anomalies. Acetate produces more skin and eye irritation through direct contact. No chronic effects on humans are reported.

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:



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Not classified (no significant component) LD50 (Oral) of the mixture: Not classified (no significant component) LD50 (Dermal) of the mixture: Not classified (no significant component)

DIETHYLENE GLYCOL MONOMETHYL ETHER LD50 (Oral) 5500 mg/kg Rat

1-METHOXY-2-PROPANOL LD50 (Oral) 7200 mg/kg Rat LD50 (Dermal) 13000 mg/kg Rabbit

PROPAN-2-OL LD50 (Oral) 2100 mg/kg ratto LD50 (Dermal) 2100 mg/kg ratto

**SKIN CORROSION / IRRITATION** 

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

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

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

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SECTION 12. Ecological in	nformation	
Use this product according to good contaminate soil or vegetation.	working practices. Avoid littering. Inform the competent authorities, sh	ould the product reach waterways or
2.1. Toxicity		
nformation not available		
2.2. Persistence and degradability		
DIETHYLENE GLYCOL MONOMETH ETHER Solubility in water	IYL 1000 - 10000 mg/l	
Rapidly degradable 12.3. Bioaccumulative potential	Ŭ	
DIETHYLENE GLYCOL MONOMETH ETHER		
Partition coefficient: n-octanol/water	-0,47	
12.4. Mobility in soil		
nformation not available		
2.5. Results of PBT and vPvB asses	sment	

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. Neat product residues should be considered special non-hazardous waste. 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.

The correct disposal code (determined by the waste generation mode) cannot be specified by the manufacturer in the case of products used in various sectors. CER code (recommended): 20 01 13 Regulation (EU) 1357/2014: -

## **SECTION 14. Transport information**



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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

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Restrictions relating to the product or co	ontained substances pui	rsuant to Annex XVII to EC Regula	ation 1907/2006	
Product				
Point	40			
Contained substance				
Point	54	DIETHYLENE GLYCOL MONOMETHYL ETHER		
		MONOMETHTEETHER		
Substances in Candidate List (Art. 59 R	EACH)			
	hard all and an of a start of a second	0/110	- 0.40/	
On the basis of available data, the prod	uct does not contain an	y SVHC in percentage greater than	n 0,1%.	
Substances subject to authorisation (Ar	nex XIV REACH)			
None				
Substances subject to exportation report	rting pursuant to (EC) R	ea. 649/2012:		
	<u> </u>	<u> </u>		
None				
Substances subject to the Rotterdam C	onvention.			
	<u>onvention.</u>			
None				
Substances subject to the Stockholm C	onvention:			
None				
Healthcare controls				
Information not available				
15.2. Chemical safety assessment				
No chemical safety assessment has be	en processed for the mi	xture and the substances it contain	ns.	

# **SECTION 16. Other information**

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

Flam. Liq. 2	Flammable liquid, category 2
Flam. Liq. 3	Flammable liquid, category 3
Repr. 2	Reproductive toxicity, category 2
Eye Irrit. 2	Eye irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
H225	Highly flammable liquid and vapour.



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- H226 Flammable liquid and vapour. H361d Suspected of damaging the unborn child. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
- FUH210 Safety data sheet available on request.

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
- Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
   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
- **FCHA** website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy



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Note for users:

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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.