



# WOOD VARNISH AQUA - Waterbased wood varnish 24-111

# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: WOOD VARNISH AQUA - Waterbased wood varnish

24-111

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

Relevant uses: Decoration and protection of wood

Uses advised against: All uses not specified in this section or in section 7.3

**1.3** Details of the supplier of the safety data sheet: EVOCHEM S.A.

Tzaverdella Place

133 41 PHILI, ATTICA - GREECE

Phone.: 0030 210 5590460, 0030 210 5590155 - Fax: 0030 210 6254737, 0030 210 5590244 info@evochem.gr; vmergoupis@evochem.gr;

sales@evochem.gr www.evochem.gr

**1.4 Emergency telephone number:** National Poisoning Center 2107793777

# **SECTION 2: HAZARDS IDENTIFICATION**

#### 2.1 Classification of the substance or mixture:

# Directive 67/548/EC and Directive 1999/45/EC:

In accordance with Directive 67/548/EC and Directive 1999/45/EC, the product is not classified as dangerous.

#### CLP Regulation (EC) nº 1272/2008:

The product is not classified as dangerous according to CLP Regulation (EC) no 1272/2008.

#### 2.2 Label elements:

#### Directive 67/548/EC and Directive 1999/45/EC:

## R Phrases:

Not classified as dangerous. Safety data sheet available to professional users that request it.

#### S Phrases:

Non-applicable

### **Supplementary information:**

P99: Contains 2,4,7,9-tetramethyldec-5-yne-4,7-diol. May cause an allergic reaction

## CLP Regulation (EC) no 1272/2008:

# **Hazard statements:**

Non-applicable

# **Precautionary statements:**

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

P102: Keep out of reach of children

P103: Read label before use

P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment

#### Supplementary information:

EUH208: Contains 2,4,7,9-tetramethyldec-5-yne-4,7-diol, Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction

## 2.3 Other hazards:

Non-applicable

# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical description:** Aqueous solution based on waxes, preservatives, colourants and surfactants.

Components:

In accordance with Annex II of Regulation (EC) nº1907/2006 (point 3), the product contains:

Date of compilation: 04/05/2015 Version: 1 Page 1/9





0,09 - <0,24

# WOOD VARNISH AQUA - Waterbased wood varnish 24-111

#### 

CAS: 126-86-3
EC: 204-809-1
Index: Non-applicable
REACH: 01-2119954390-39-XXXX

Regulation 1272/2008 Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Sens. 1B: H317 - Danger

To obtain more information on the risk of the substances consult sections 8, 11, 12 and 16.

Regulation 1272/2008

# **SECTION 4: FIRST AID MEASURES**

RFACH: 01-2119450011-60-XXXX

#### 4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the MSDS of this product.

#### **Bv** inhalation

This product does not contain substances classified as dangerous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

## By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of modifications on the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Security Data Sheet

#### By eve contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the MSDS of the product.

### By consumption:

In case of consumption, seek immediate medical assistance showing the MSDS of this product.

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

Acute and delayed effects are indicated in sections 2 and 11.

# 4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

# **SECTION 5: FIREFIGHTING MEASURES**

# 5.1 Extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use tap water as an extinguishing agent.

# 5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

# 5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

#### **Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflamation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

Date of compilation: 04/05/2015 Version: 1 Page 2/9





# WOOD VARNISH AQUA - Waterbased wood varnish 24-111

# SECTION 6: ACCIDENTAL RELEASE MEASURES (continue)

#### 6.1 Personal precautions, protective equipment and emergency procedures:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

#### 6.2 Environmental precautions:

Avoid spillage into an aqueous medium as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into an aqueous medium notify the relevant authority.

#### 6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

#### 6.4 Reference to other sections:

See sections 8 and 13.

# **SECTION 7: HANDLING AND STORAGE**

# 7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

#### 7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 °C

Maximun Temp.: 35 °C

Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

#### 7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the work environment

Identification	Environmental limits			
Dipropylene Glycol Methyl Ether	IOELV (8h)	50 ppm	308 mg/m <sup>3</sup>	
CAS: 34590-94-8	IOELV (STEL)			
EC: 252-104-2	Year	2014		

## **DNEL (Workers):**





# WOOD VARNISH AQUA - Waterbased wood varnish 24-111

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
Dipropylene Glycol Methyl Ether	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 34590-94-8	Dermal	Non-applicable	Non-applicable	65 mg/kg	Non-applicable
EC: 252-104-2	Inhalation	Non-applicable	Non-applicable	310 mg/m <sup>3</sup>	Non-applicable
2,4,7,9-tetramethyldec-5-yne-4,7-diol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 126-86-3	Dermal	1,5 mg/kg	Non-applicable	0,5 mg/kg	Non-applicable
EC: 204-809-1	Inhalation	5,28 mg/m <sup>3</sup>	Non-applicable	1,76 mg/m <sup>3</sup>	Non-applicable

# **DNEL (Population):**

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
Dipropylene Glycol Methyl Ether	Oral	Non-applicable	Non-applicable	1,67 mg/kg	Non-applicable
CAS: 34590-94-8	Dermal	Non-applicable	Non-applicable	15 mg/kg	Non-applicable
EC: 252-104-2	Inhalation	Non-applicable	Non-applicable	37,2 mg/m <sup>3</sup>	Non-applicable
2,4,7,9-tetramethyldec-5-yne-4,7-diol	Oral	0,75 mg/kg	Non-applicable	0,25 mg/kg	Non-applicable
CAS: 126-86-3	Dermal	0,75 mg/kg	Non-applicable	0,25 mg/kg	Non-applicable
EC: 204-809-1	Inhalation	1,29 mg/m <sup>3</sup>	Non-applicable	0,43 mg/m <sup>3</sup>	Non-applicable

## PNEC:

Identification				
Dipropylene Glycol Methyl Ether	STP	4168 mg/L	Fresh water	19 mg/L
CAS: 34590-94-8	Soil	2,74 mg/kg	Marine water	1,9 mg/L
EC: 252-104-2	Intermittent	190 mg/L	Sediment (Fresh water)	70,2 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	7,02 mg/kg
2,4,7,9-tetramethyldec-5-yne-4,7-diol	STP	7 mg/L	Fresh water	0,04 mg/L
CAS: 126-86-3	Soil	0,028 mg/kg	Marine water	0,004 mg/L
EC: 204-809-1	Intermittent	0,4 mg/L	Sediment (Fresh water)	0,32 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,032 mg/kg

## 8.2 Exposure controls:

A.- General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protection Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the professional exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Chemical protective gloves	CATI	EN 374-1:2003 EN 374-3:2003/AC:2006 EN 420:2003+A1:2009	Replace the gloves at any sign of deterioration.

# D.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory face protection	Panoramic glasses against liquid splash	CATI	EN 166:2001 EN 172:1994/A1:2000 EN 172:1994/A2:2001 EN ISO 4007:2012	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

# E.- Bodily protection





# **WOOD VARNISH AQUA - Waterbased wood varnish** 24-111

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CATI	EN ISO 13688:2013	For professional use only.
	Anti-slip work shoes	CATII	EN ISO 20347:2012 EN ISO 20344:2011	None

# F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
+	ANSI Z358-1 ISO 3864-1:2002	<b>*</b> + <b>* *</b>	DIN 12 899 ISO 3864-1:2002
Emergency shower		Eyewash stations	

#### **Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

## Volatil organic compounds:

With regard to Directive 1999/13/EC, this product has the following characteristics:

V.O.C. (Supply): 1,75 % weight

18,38 kg/m<sup>3</sup> (18,38 g/L) V.O.C. density at 20 °C:

Average carbon number: 6,87

Average molecular weight: 144,29 g/mol

With regard to Directive 2004/42/EC, this product which is ready to use has the following characteristics:

V.O.C. density at 20 °C: 51,4 kg/m3 (51,4 g/L) EUlimit for the product (Cat. A.E): 130 g/L (2010)

Components: Non-applicable

# SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

# 9.1 Information on basic physical and chemical properties: For complete information see the product datasheet. **Appearance:** Physical state at 20 °C: Liquid Appearance: Not available Color: White Odor: Characteristic **Volatility:** Boiling point at atmospheric pressure: 104 °C

Vapour pressure at 20 °C: 2312 Pa

Vapour pressure at 50 °C: 12184 Pa (12 kPa) Evaporation rate at 20 °C: Non-applicable \*

**Product description:** 

Density at 20 °C: 1052 kg/m3 Relative density at 20 °C: 1,052

Dynamic viscosity at 20 °C: 4000 - 6000 cP Kinematic viscosity at 20 °C: Non-applicable \*

\*Not relevant due to the nature of the product, not providing information property of its hazards.

Date of compilation: 04/05/2015 Page 5/9 Version: 1





# WOOD VARNISH AQUA - Waterbased wood varnish 24-111

# SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continue)

Kinematic viscosity at 40 °C: Non-applicable \*

Concentration: 1050 g/L (active ingredient)

pH: 7 - 8

Vapour density at 20 °C:

Partition coefficient n-octanol/water 20 °C:

Solubility in water at 20 °C:

Non-applicable \*

Solubility property:

Non-applicable \*

Decomposition temperature:

Melting point/freezing point:

Non-applicable \*

Non-applicable \*

Flammability:

Flash Point: Non Flammable (>60 °C)

Autoignition temperature: 238 °C

Lower flammability limit: Non-applicable \*
Upper flammability limit: Non-applicable \*

9.2 Other information:

Surface tension at 20 °C: Non-applicable \*
Refraction index: Non-applicable \*

## SECTION 10: STABILITY AND REACTIVITY

## 10.1 Reactivity:

No hazardous reactions are expected if the following technical instructions storage of chemicals. See section 7.

#### 10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

## 10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

#### 10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

# 10.5 Incompatible materials:

Acids	Water	Combustive materials	Combustible materials	Others
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

# 10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO2), carbon monoxide and other organic compounds.

# **SECTION 11: TOXICOLOGICAL INFORMATION**

#### 11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. With possibility of effects that are hazardous to the health, it is recommended not to breathe the vapours for long periods of time.

#### **Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

Date of compilation: 04/05/2015 Version: 1 Page 6/9

<sup>\*</sup>Not relevant due to the nature of the product, not providing information property of its hazards.





# WOOD VARNISH AQUA - Waterbased wood varnish 24-111

# SECTION 11: TOXICOLOGICAL INFORMATION (continue)

#### A.- Ingestion:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.

#### B- Inhalation:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.

#### C- Contact with the skin and the eyes:

Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for skin contact. For more information see section 3.

## D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

#### E- Sensitizing effects:

Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous with sensibilizing effects. For more information see section 3.

## F- Specific target organ toxicity (STOT)-time exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

#### G- Specific target organ toxicity (STOT)-repeated exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

# H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

#### Other information:

Non-applicable

#### Specific toxicology information on the substances:

Not available

## **SECTION 12: ECOLOGICAL INFORMATION**

The experimental information related to the ecotoxicological properties of the product itself is not available

# 12.1 Toxicity:

Identification	Acute toxicity		Specie	Genus
Dipropylene Glycol Methyl Ether	LC50	10000 mg/L (96 h)	Pimephales promelas	Fish
CAS: 34590-94-8	EC50	1919 mg/L (48 h)	Daphnia magna	Crustacean
EC: 252-104-2	EC50	Non-applicable		
2,4,7,9-tetramethyldec-5-yne-4,7-diol	LC50	10 - 100 mg/L (96 h)		Fish
CAS: 126-86-3	EC50	10 - 100 mg/L		Crustacean
EC: 204-809-1	EC50	10 - 100 mg/L		Alga

# 12.2 Persistence and degradability:

Identification	Degradability		Biodegradability	
Dipropylene Glycol Methyl Ether	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 34590-94-8	COD	0.00202 g O2/g	Period	28 days
EC: 252-104-2	BOD5/COD	Non-applicable	% Biodegradable	73 %

## 12.3 Bioaccumulative potential:

Identification	Bioaccumulation potential	
Dipropylene Glycol Methyl Ether	BCF	1
CAS: 34590-94-8	Pow Log	-0,06
EC: 252-104-2	Potential	Low

# 12.4 Mobility in soil:

Not available

Date of compilation: 04/05/2015 Version: 1 Page 7/9





# WOOD VARNISH AQUA - Waterbased wood varnish 24-111

# SECTION 12: ECOLOGICAL INFORMATION (continue)

#### 12.5 Results of PBT and vPvB assessment:

Non-applicable

#### 12.6 Other adverse effects:

Not described

## SECTION 13: DISPOSAL CONSIDERATIONS

# 13.1 Waste treatment methods:

Code	Description	Waste class (Directive 2008/98/EC)
08 01 12	Waste paint and varnish other than those mentioned in 08 01 11	Non dangerous

#### Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2000/532/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

#### Regulations related to waste management:

In accordance with Annex II of Regulation (EC)  $n^{o}1907/2006$  (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2000/532/EC: Commission Decision of 3 May 2000

## **SECTION 14: TRANSPORT INFORMATION**

This product is not regulated for transport (ADR/RID,IMDG,IATA)

# **SECTION 15: REGULATORY INFORMATION**

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

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains Mixture of: 5 -chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1), (ethylenedioxy)dimethanol.

Candidate substances for authorisation under the Regulation (EC) 1907/2006 (REACH): Non-applicable

Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable

Active substances for which a decision of non-inclusion onto Annex I (Regulation (EU) No 528/2012): Non-applicable

Regulation (EC) 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

# Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII, REACH):

Non-applicable

## Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

#### Other legislation:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009, 2009 No. 716

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (CDG 2009), SI 2009 No 1348 The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) Regulations 2011, 2011 No. 1885 Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits

The Waste Regulations 2011, 2011 No. 988

# 15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

# **SECTION 16: OTHER INFORMATION**

Date of compilation: 04/05/2015 Version: 1 Page 8/9





# WOOD VARNISH AQUA - Waterbased wood varnish 24-111

# SECTION 16: OTHER INFORMATION (continue)

## Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 453/2010)

#### Modifications related to the previous security card which concerns the ways of managing risks. :

Non-applicable

#### Text of R-phrases considered in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

#### Directive 67/548/EC and Directive 1999/45/EC:

R41: Risk of serious damage to eves

R43: May cause sensitisation by skin contact

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

## CLP Regulation (EC) no 1272/2008:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects

Eye Dam. 1: H318 - Causes serious eye damage

Skin Sens. 1B: H317 - May cause an allergic skin reaction

#### Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

#### Principal bibliographical sources:

http://esis.jrc.ec.europa.eu

http://echa.europa.eu

http://eur-lex.europa.eu

#### **Abbreviations and acronyms:**

- ADR: European agreement concerning the international carriage of dangerous goods by road
- -IMDG: International maritime dangerous goods code
- -IATA: International Air Transport Association
- -ICAO: International Civil Aviation Organisation
- -COD: Chemical Oxygen Demand
- -BOD5: 5-day biochemical oxygen demand
- -BCF: Bioconcentration factor
- -LD50: Lethal Dose 50
- -CL50: Lethal Concentration 50
- -EC50: Effective concentration 50
- -Log-POW: Octanol—water partition coefficient
- -Koc: Partition coefficient of organic carbon

The information contained in this security data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this security data sheet only refers to this product, which should not be used for needs other than those specified.

Date of compilation: 04/05/2015 Version: 1 Page 9/9