

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

<b>NAME OF THE PRODUCT</b>	Acrylic clear coat 2K 2:1 UHS VOC
<b>CODE</b>	010012 (1L) 010026 (5L)
<b>DISTRIBUTOR</b>	BOSSAUTO INNOVA, S.A.
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<b>CITY</b>	08430 La Roca del Vallés (Barcelona)
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<b>WEB</b>	<a href="http://www.bossauto.com">www.bossauto.com</a>

### 2. HAZARDS IDENTIFICATION

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

##### A. CLP Regulation (EC) n°1272/2008

Classification of this product has been carried out in accordance with CLP Regulation n°1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412

Flam. Liq. 3: Flammable liquids, Category 3, H226

STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

#### 2.2. Label elements

##### A. CLP Regulation (EC) n°1272/2008



Warning

##### • Hazard statements

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

Flam. Liq. 3: H226 - Flammable liquid and vapour

STOT SE 3: H336 - May cause drowsiness or dizziness

##### • Precautionary statements

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

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

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing

P370+P378: In case of fire: Use ABC powder extinguisher to extinguish.  
 P403+P233: Store in a well-ventilated place. Keep container tightly closed  
 P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment

• **Supplementary information**

EUH066: Repeated exposure may cause skin dryness or cracking

EUH208: Contains Hydroxyphenyl benzotriazol derivative, Isobutyl methacrylate, Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction

• **Substances that contribute to the classification**

N-butyl acetate; Hydrocarbons, C9, aromatics (Benzene < 0.1 % w/w); Acetone

**2.3. Other hazards**

Product fails to meet PBT/vPvB criteria

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1. Substance**





Non-applicable







**3.2. Mixture**

Chemical description: Mixture composed of additives and resins in solvents.

Components:

In accordance with Annex II of Regulation (EC) nº 1907/2006 (point 3), the product contains:

Identification	Chemical name/classification	Concentration
CAS: 123-86-4 EC: 204-658-1 Index: 607-025-00-1 REACH: 01-2119485493-29-XXXX	N-butyl acetate <sup>1</sup> ATP CLP00 Directive 67/548/CE: R10;R66; R67 Regulation 1272/2008: Flam. Liq. 3:H226; STOT SE 3: H336; EUH066 – Attention 	10 - <25%
CAS: 110-43-0 EC: 203-767-1 Index: 606-024-00-3 REACH: 01-2119902391-49-XXXX	Heptan-2-one <sup>2</sup> ATP CLP00 Regulation 1272/2008: Acute tox. 4. H302+H332; Flam. Liq. 3: H226 – Warning 	10 - <25%
CAS: 918-668-5 EC: 918-668-5 Index: REACH: 01-2119455851-35-XXXX	Hydrocarbons, C9 aromatics (benzene <0,1% w/w) Self-classified Regulation 1272/2008: Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; STOT SE 3: H336 EUH066 – Danger 	5 - <10%
CAS: 67-64-1 EC: 200-662-2 Index: 606-001-00-8 REACH: 01-2119471330-49-XXXX	Acetone <sup>2</sup> ATP CLP00 Regulation 1272/2008: Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 – Danger 	1 - <2,5%
CAS: Non-applicable EC: 400-830-7 Index: 607-176-00-3	Hydroxyphenyl benzotriazol derivative <sup>2</sup> ATP CLP00 Regulation 1272/2008: Aquatic Chronic 2:	0,5 - <1%

REACH: 01-2119894815-20-XXXX	H411; Skin Sens. 1: H317 – Attention 	
CAS: 1330-20-7 EC: 215-535-7 Index: 601-022-00-9 REACH: 01-2119488216-32-XXXX	Xylene <sup>3</sup> ATP CLP00 Regulation 127/2008: Acute Tox. 4: H312+H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315 ; STOT RE 2: H373; STOT SE 3: H335– Danger 	0,25 - <0,5%
CAS: 82919-37-7 EC: 280-060-4 Index: REACH: 01-2119491304-40-XXXX	Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate <sup>2</sup> Self-classified Regulation 1272/2008: Aquatic acute 1: H400; Aquatic Chronic 1: H410; Skin Sens. 1: H317 – Warning 	0,02 <0,25%
CAS: 97-86-9 EC: 202-613-0 Index: 607-113-00-X REACH: 01-2119488331-38-XXXX	Isobutyl methacrylate <sup>2</sup> ATP CLP00 Regulation 1272/2008: Aquatic Acute 1: H400; Eye irrit. 2: H319; Flam. Liq. 3: H226; Skin irrit. 1: H315; Skin Sens. 1: H317; STOT SE 3: H335 – Warning 	<0,2%
CAS: 108-65-6 EC: 203-603-9 Index: 607-195-00-7 REACH: 01-2119475791-29-XXXX	2-methoxy-1-methylethyl acetate <sup>1</sup> ATP ATP01 Regulation 1272/2008: Flam. Liq. 3: H226 Warning 	<0,2%
CAS: 77-58-7 EC: 201-039-8 Index: Non-applicable REACH: 01-2119496068-27-XXXX	Dibutyltin Dilaurate <sup>3</sup> Self-classified Regulation 1272/2008: Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341; Repr. 1B: H360; Skin Corr. 1C: H314; Skin Sens. 1: H317; STOT RE 1: H372; STOT SE 1:  H370 – Danger 	<0,2%

<sup>1</sup> Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2015/830

<sup>2</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

<sup>3</sup> Substance with a Union workplace exposure limit

To obtain more information on the risk of the substances consult sections 8, 11, 12, 15 and 16.

## 4. FIRST AID MEASURES

### 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 chemicals product or persistent discomfort, showing the MSDS of this product.

#### A. By inhalation

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring

immediate medical assistance.

#### **B. By skin contact**

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases, seek medical attention. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

#### **C. By eye contact**

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. 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.

#### **D. By ingestion/aspiration**

Do not induce vomiting, but if it does happen keep the head up to avoid inhalation. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

#### **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.

### **5. FIREFIGHTING MEASURES**

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#### **5.1. Extinguishing media**

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO<sub>2</sub>). IT IS RECOMMENDED NOT 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 inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

## 6. ACCIDENTAL RELEASE MEASURES

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

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (see section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inertization agent. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

### 6.2. Environmental precautions

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

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

It is recommended to 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.

## 7. HANDLING AND STORAGE

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### 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 containers. Maintain order and cleanliness where dangerous products are used.

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

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks, ...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 94/9/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for 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

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

## 7.2. Condition for safe storage, including any incompatibilities

### A. Technical measures for storage

Minimum temperature:	5°C
Maximum Temperature:	30°C
Maximum time:	24 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 no necessary to provide any special recommendation regarding the uses of this product.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

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

Identification	Environmental limits		
Xylene CAS: 1330-20-7 EC: 215-535-7	IOELV (8h)	50ppm	221mg/m <sup>3</sup>
	IOELV (STEL)	100ppm	442mg/m <sup>3</sup>
	Year 2017		
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	IOELV (8h)	50ppm	275mg/m <sup>3</sup>
	IOELV (STEL)	100ppm	550mg/m <sup>3</sup>
	Year 2017		
Heptan-2-one CAS: 110-43-0 EC: 203-767-1	IOELV (8h)	50ppm	238mg/m <sup>3</sup>
	IOELV (STEL)	100ppm	475mg/m <sup>3</sup>
	Year 2017		
Acetone CAS: 67-64-1 EC: 200-662-2	IOELV (8h)	500ppm	1210mg/m <sup>3</sup>
	IOELV (STEL)		
	Year 2017		
Dibutyltin Dilaurate CAS: 1330-20-7 EC: 215-535-7	IOELV (8H)	50 Pppm	221 mg/m <sup>3</sup>
	IOELV (STEL)	100 ppm	442 mg/m <sup>3</sup>
	Year 2017		

#### B. DNEL (Workers)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	960mg/m <sup>3</sup>	960mg/m <sup>3</sup>	480mg/m <sup>3</sup>	480mg/m <sup>3</sup>
Xylene CAS:1330-20-7 EC: 215-535-7	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	180mg/Kg.	Non-applicable
	Inhalation	289mg/m <sup>3</sup>	289mg/m <sup>3</sup>	77mg/m <sup>3</sup>	Non-applicable
2-methoxy-1-methylethyl acetate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable

CAS: 108-65-6 EC: 203-603-9	Dermal	Non-applicable	Non-applicable	153,5mg/Kg.	Non-applicable
	Inhalation	Non-applicable	Non-applicable	275mg/m <sup>3</sup>	Non-applicable
Heptan-2-one CAS: 110-43-0 EC: 203-767-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	54,27mg/Kg.	Non-applicable
Hydrocarbons, C9, aromatics (benzene <0.1% w/w) CAS: Non-applicable EC: 918-668-5	Inhalation	1516mg/m <sup>3</sup>	960mg/m <sup>3</sup>	394,25mg/m <sup>3</sup>	480mg/m <sup>3</sup>
	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
Acetone CAS: 67-64-1 EC: 200-662-2	Dermal	Non-applicable	Non-applicable	25mg/Kg.	Non-applicable
	Inhalation	Non-applicable	Non-applicable	150mg/m <sup>3</sup>	Non-applicable
	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
Methyl 1,2,2,6,6-pentamethyl 4-piperidyl sebacate CAS: 82919-37-7 EC: 280-060-4	Dermal	Non-applicable	Non-applicable	186mg/Kg.	Non-applicable
	Inhalation	Non-applicable	2420mg/m <sup>3</sup>	1210mg/m <sup>3</sup>	Non-applicable
	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
Isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0	Dermal	2,5mg/Kg.	Non-applicable	2,5mg/Kg.	Non-applicable
	Inhalation	2,35mg/m <sup>3</sup>	2,35mg/m <sup>3</sup>	2,35mg/m <sup>3</sup>	Non-applicable
	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
Dibutyltin Dilaurate	Dermal	Non-applicable	Non-applicable	5mg/Kg.	Non-applicable
	Inhalation	Non-applicable	Non-applicable	415,9mg/m <sup>3</sup>	409mg/m <sup>3</sup>
	Oral	0,01 mg/kg	Non-applicable	0,002 mg/kg	Non-applicable
	Dermal	0,5 mg/kg	Non-applicable	0,08 mg/kg	Non-applicable
	Inhalation	0,02 mg/m <sup>3</sup>	Non-applicable	0,003 mg/m <sup>3</sup>	Non-applicable

### C. DNEL (General population)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
N-Butyl acetate CAS: 123-86-4 EC: 204-658-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	859,7mg/m <sup>3</sup>	859,7mg/m <sup>3</sup>	102,34mg/m <sup>3</sup>	102,34mg/m <sup>3</sup>
Xylene (mix. isom.) CAS:1330-20-7 EC: 215-535-7	Oral	Non-applicable	Non-applicable	1,6mg/Kg.	Non-applicable
	Dermal	Non-applicable	Non-applicable	108mg/Kg.	Non-applicable
	Inhalation	Non-applicable	Non-applicable	14,8mg/m <sup>3</sup>	Non-applicable
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	Oral	Non-applicable	Non-applicable	1,67mg/Kg.	Non-applicable
	Dermal	Non-applicable	Non-applicable	54,8mg/Kg.	Non-applicable
	Inhalation	Non-applicable	Non-applicable	33mg/m <sup>3</sup>	Non-applicable
Heptan-2-one CAS: 110-43-0 EC: 203-767-1	Oral	Non-applicable	Non-applicable	23,32mg/Kg.	Non-applicable
	Dermal	Non-applicable	Non-applicable	23,32mg/Kg.	Non-applicable
	Inhalation	Non-applicable	Non-applicable	84,31mg/m <sup>3</sup>	Non-applicable
Hydrocarbons, C9, aromatics (benzene <0.1% w/w) CAS: Non-applicable EC: 918-668-5	Oral	Non-applicable	Non-applicable	11mg/Kg.	Non-applicable
	Dermal	Non-applicable	Non-applicable	11mg/Kg.	Non-applicable
	Inhalation	Non-applicable	Non-applicable	32mg/m <sup>3</sup>	Non-applicable
Acetone CAS: 67-64-1 EC: 200-662-2	Oral	Non-applicable	Non-applicable	62mg/Kg.	Non-applicable
	Dermal	Non-applicable	Non-applicable	62mg/Kg.	Non-applicable
	Inhalation	Non-applicable	Non-applicable	200mg/m <sup>3</sup>	Non-applicable
Methyl 1,2,2,6,6-pentamethyl 4-piperidyl sebacate CAS: 82919-37-7 EC: 280-060-4	Oral	1,25mg/Kg.	Non-applicable	1,25mg/Kg.	Non-applicable
	Dermal	1,25mg/Kg.	Non-applicable	1,25mg/Kg.	Non-applicable
	Inhalation	0,58mg/m <sup>3</sup>	0,58mg/m <sup>3</sup>	0,58mg/m <sup>3</sup>	Non-applicable
Isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	3mg/Kg.	Non-applicable
	Inhalation	Non-applicable	Non-applicable	66,5mg/m <sup>3</sup>	366,4mg/m <sup>3</sup>

## D. PNEC

Identification				
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	STP	35,6mg/L	Fresh water	0,18mg/L
	Soil	0,0903mg/Kg.	Marine water	0,018mg/L
	Intermittent	0,36mg/L	Sediment (Fresh water)	0,981mg/Kg.
	Oral	Non-applicable	Sediment (Marine water)	0,0981mg/Kg.
Xylene (mix. isom.) CAS:1330-20-7 EC: 215-535-7	STP	6,58mg/L	Fresh water	0,33mg/L
	Soil	2,31mg/Kg.	Marine water	0,33mg/L
	Intermittent	0,33 mg/L	Sediment (Fresh water)	12,46mg/Kg.
	Oral	Non-applicable	Sediment (Marine water)	12,46mg/Kg.
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	STP	100mg/L	Fresh water	0,64mg/L
	Soil	0,29mg/Kg.	Marine water	0,06mg/L
	Intermittent	6,35mg/L	Sediment (Fresh water)	3,29mg/Kg.
	Oral	Non-applicable	Sediment (Marine water)	0,33mg/Kg.
Heptan-2-one CAS: 110-43-0 EC: 203-767-1	STP	12,5mg/L	Fresh water	0,0982mg/L
	Soil	0,321mg/Kg.	Marine water	0,00982mg/L
	Intermittent	0,982mg/L	Sediment (Fresh water)	1,89mg/Kg.
	Oral	Non-applicable	Sediment (Marine water)	0,189mg/Kg.
Acetone CAS: 67-64-1 EC: 200-662-2	STP	100mg/L	Fresh water	10,6mg/L
	Soil	29,5mg/Kg.	Marine water	1,06mg/L
	Intermittent	21mg/L	Sediment (Fresh water)	30,4mg/Kg.
	Oral	Non-applicable	Sediment (Marine water)	3,04mg/Kg.
Methyl 1,2,2,6,6-pentamethyl 4-piperidyl sebacate CAS: 100-41-4 EC: 202-849-4	STP	1mg/L	Fresh water	0,0022mg/L
	Soil	0,21mg/Kg.	Marine water	0,00022mg/L
	Intermittent	0,009mg/L	Sediment (Fresh water)	1,05mg/Kg.
	Oral	Non-applicable	Sediment (Marine water)	0,11mg/Kg.
Isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0	STP	10mg/L	Fresh water	0,21mg/L
	Soil	Non-applicable	Marine water	0,21mg/L
	Intermittent	0,21mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Dibutyltin Dilaurate CAS: 77-58-7 EC: 201-039-8	STP	100mg/L	Fresh water	0,000463 mg/L
	Soil	Non-applicable	Marine water	0,0000463 mg/L
	Intermittent	0,00463 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	0,2 g/kg	Sediment (Marine water)	Non-applicable


## 8.2. Exposure controls

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

As a preventive 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 no known whether the company has additional measures at its disposal.

### B. Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory	Filter mask for		EN 149:2001+A1: 2009	Replace when an increase in resistance to breathing is



respiratory tract protection	gases, vapours and particles		EN 405:2001+A1:2009	observed and/or a smell or taste of the contaminant is detected.
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### C. Specific protection for the hands





Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Non-disposable chemical protective gloves		EN 374-1:2003 EN 374-3:2003/AC:2006 EN 420:2003+A1:2009	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application

### D. Ocular and facial protection



Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Face mask		EN 166:2001 EN 167:2001 EN 168:2001 EN ISO 4007:2012	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

### E. Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties		EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2001 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994	For professional use only. Clean periodically according to the manufacturer's instructions.
	Safety footwear for protection against chemical risk,		EN 13287:2008 EN ISO 20345:2011 EN 1382-1:2006	Replace boots at any sign of

Mandatory foot protection	with antistatic and heat resistant properties			deterioration.
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## F. Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2002	 Eyewash stations	DIN 12 899 ISO 3864-1:2002

## G. 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 epigraph 7.1.D.

### • Volatile organic compounds:

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

V.O.C. (Supply): 43,03 % weight  
 V.O.C. density at 20°C: 421,67 kg/m<sup>3</sup> (421,67 g/L)  
 Average carbon number: 6,68  
 Average molecular weight: 113,49 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: 410 Kg/m<sup>3</sup> (410 g/L)  
 EU limit for the product (Cat. B.E.): 420 g/L (2010)  
 Components: (Hardener solvent)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic physical and chemical properties

For complete information see the product datasheet.

Physical state at 20°C:	Liquid
Appearance:	Viscous
Colour:	Colourless
Odour:	Solvent
Boiling point at atmospheric pressure:	127°C
Vapour pressure at 20°C:	2178 Pa
Vapour pressure at 50°C:	8825 Pa (9 kPa)
Evaporation rate at 20°C:	Non-applicable*
Density at 20°C:	970-990 Kg/m <sup>3</sup>
Relative density at 20°C:	0,97 – 0,99
Dynamic viscosity at 20°C:	113-117 cP
Kinematic viscosity a 20°C:	117 cSt

Kinematic viscosity at 40°C:	> 20,5 cSt
Concentration:	Non-applicable*
pH:	Non-applicable *
Vapour density at 20°C:	Non-applicable *
Partition coefficient n-octanol/water at 20°C:	Non-applicable *
Solubility in water at 20°C:	Non-applicable *
Solubility property:	Immiscible
Decomposition temperature:	Non-applicable *
Flash point:	29°C
Flammability (solid, gas):	Non-applicable *
Selfignition temperature:	315°C
Lower flammability limit:	Not available
Upper flammability limit:	Not available
Surface tension at 20°C:	Non-applicable *
Refraction index:	Non-applicable *

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

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. 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:	Not applicable
Contact with air:	Not applicable
Increase in temperature:	Risk of combustion
Sunlight:	Avoid direct impact
Humidity:	Not applicable

### 10.5. Incompatible materials

Acids:	Avoid strong acids
Water:	Not applicable
Combustive materials:	Avoid direct impact
Combustible materials:	Not applicable
Others:	Avoid alkalis or strong bases

### 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 (CO<sub>2</sub>), carbon monoxide and other organic compounds.

## 11. TOXICOLOGICAL INFORMATION

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### 11.1. Information on toxicological effects

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

- 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:

#### A. Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.

- Corrosivity/Irritability: Based on available data, the classification criteria are not met, however it does contain substance classified as dangerous for this effect. For more information see section 3.

#### B. Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see section 3.

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

#### C. Contact with skin and the eyes (acute effect):

- Contact with the skin: 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.

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

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

- Carcinogenicity: 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.

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

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

#### E. Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.

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

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

Exposure in high concentrations can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion and in serious cases, loss of consciousness.

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

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, however it does contain substances classified as dangerous for this effect. For more information see section 3.

- Skin: Repeated exposure may cause skin dryness or cracking

#### H. Aspiration hazard:

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

### 11.2. Other information

Non-applicable.

### 11.3. Specific toxicology information on the substances

Identification	Acute toxicity		Genus
Hydrocarbons, C9 aromatics (benzene <0,1% w/w) CAS: EC: 918-668-5	LD50 oral	3492mg/Kg.	Rat
	LD50 dermal	3160mg/Kg.	Rabbit
	LC50 inhalation	6193mg/L (4h)	Rat
Hydroxyphenyl benzotriazol derivative CAS: Non-applicable EC : 400-830-7	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	20 mg/L	
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS : 82919-37-7 EC : 280-060-4	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	5 mg/L	
Butyl acetate CAS : 123-86-4 EC : 204-658-1	LD50 oral	12789 mg/Kg.	
	LD50 dermal	14112 mg/Kg.	
	LC50 inhalation	23,4 mg/L (4h)	
Xylene (mix. isom.) CAS:1330-20-7 EC: 215-535-7	LD50 oral	2100mg/Kg.	Rat
	LD50 dermal	1100mg/Kg.	Rat
	LC50 inhalation	20mg/L	Rat
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	LD50 oral	8532mg/Kg.	Rat
	LD50 dermal	5100mg/Kg.	Rat
	LC50 inhalation	30mg/L (4h)	Rat
Acetone CAS: 67-64-1 EC: 200-662-2	LD50 oral	5800mg/Kg.	Rat
	LD50 dermal	7426mg/Kg.	Rabbit
	LC50 inhalation	76 mg/L	
Heptan-2-one CAS: 110-43-0 EC: 203-767-1	LD50 oral	500mg/Kg.	Rat
	LD50 dermal	10206mg/Kg.	Rabbit
	LC50 inhalation	11mg/L (4h)	Rat
Isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0	LD50 oral	9600mg/Kg.	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Dibutyltin Dilaurate CAS: 77-58-7 EC: 201-039-8	LD50 oral	175 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	

### Acute Toxicity Estimate (ATE mix) :

	ATE mix	Ingredient(s) of unknown toxicity
Oral	3125 mg/kg (Calculation method)	0%
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	68,75 (4h) (Calculation method)	0%

## 12. ECOLOGICAL INFORMATION

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

### 12.1. Toxicity

Identification	Acute Toxicity	Specie	Genus	
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	LC50	62mg/L (96h)	Leuciscus idus	Fish
	EC50	73mg/L (24h)	Daphnia magna	Crustacean
	EC50	675mg/L (72h)	Scenedesmus subspicatus	Alga
Xylene CAS:1330-20-7 EC: 215-535-7	LC50	13,5mg/L (96h)	Oncorhynchus mykiss	Fish
	EC50	0,6mg/L (96h)	Gammarus lacustris	Crustacean
	EC50	10mg/L (72h)	Skeletonema costatum	Alga
Hydrocarbons, C9 aromatics (benzene <0,01% w/w) CAS: EC: 918-668-5	LC50	1-10mg/L (96h)		Fish
	EC50	1-10mg/L		Crustacean
	EC50	1-10mg/L		Alga
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	LC50	161mg/L (96h)	Pimephales promelas	Fish
	EC50	481mg/L (48h)	Daphnia sp.	Crustacean
	EC50	Non-applicable		Alga
Hydroxyphenyl benzotriazol derivative CAS: EC: 400-830-7	LC50	1-10mg/L (96h)		Fish
	EC50	1-10mg/L		Crustacean
	EC50	1-10mg/L		Alga
Methyl 1,2,2,6,6-pentamethyl-4- piperidyl Sebacate CAS: 82919-37-7 EC: 280-060-4	LC50	0,1-1mg/L (96h)		Fish
	EC50	0,1-1mg/L		Crustacean
	EC50	0,1-1mg/L		Alga
Heptan-2-one CAS: 110-43-0 EC: 203-767-1	LC50	131mg/L (96h)	Pimephales promelas	Fish
	EC50	Non-applicable		Crustacean
	EC50	Non-applicable		Alga
Acetone CAS: 67-64-1 EC: 200-662-2	LC50	5540mg/L (96h)	Oncorhynchus mykiss	Fish
	EC50	23,5mg/L (48h)	Daphnia magna	Crustacean
	EC50	3400mg/L (48h)	Chlorella pyrenoidosa	Alga
Isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0	LC50	20mg/L (96h)	Oncorhynchus mykiss	Fish
	EC50	23mg/L (48h)	Daphnia magna	Crustacean
	EC50	0,29mg/L (96h)	Selenastrum capricornutum	Alga

### 12.2. Persistence and degradability

Identification	Degradability		Biodegradability		
	BOD5 Code	Non-applicable	Concentration Period	Non-applicable	
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	BOD5/COD	0.79	% degraded BOD	84%	
	2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	BOD5	Non-applicable	Concentration	785mg/L
		Code	Non-applicable	Period	8 days
BOD5/COD		Non-applicable	% degraded BOD	100%	
Acetone	BOD5	Non-applicable	Concentration	100mg/L	

CAS: 67-64-1	Code	Non-applicable	Period	28 days
EC: 200-662-2	BOD5/COD	0.96	% degraded BOD	96%
Dibutyltin dilaurate	BOD5	0.00054 g O <sub>2</sub> /g	Concentration	100 mg/L
CAS: 77-58-7	COD	Non-applicable	Period	28 days
EC: 201-039-8	BOD5/COD	Non-applicable	% Biodegradable	50%

### 12.3. Bioaccumulative potential

Identification	Bioaccumulation potential	
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	BCF	4
	POW Log	1,78
	Potential	Low
Xylene CAS:1330-20-7 EC: 215-535-7	BCF	9
	POW Log	2,77
	Potential	Low
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	BCF	1
	POW Log	0,43
	Potential	Low
Heptan-2-one CAS: 110-43-0 EC: 203-767-1	BCF	7
	POW Log	1,98
	Potential	Low
Acetone CAS: 67-64-1 EC: 200-662-2	BCF	1
	POW Log	-0,24
	Potential	Low
Isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0 Dibutyltin Dilaurate CAS: 77-58-7 EC: 201-039-8	BCF	26
	POW Log	2,66
	Potential	Low
	BCF	31
	Pow Log	3.12
	Potential	Moderate

### 12.4. Mobility in soil

Identification	Absorption/	Desorption	Volatility	
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	2478E-2 N/m (25°C)	Moist soil	Non-applicable
Heptan-2-one CAS: 110-43-0 EC: 203-767-1	Koc	280	Henry	17,12E+1 Pa·m <sup>3</sup> /mol
	Conclusion	Moderate	Dry soil	Yes
	Surface tension	2,612E-2 N/m (25°C)	Moist soil	Yes
Acetone CAS: 67-64-1 EC: 200-662-2	Koc	1	Henry	2,93E+0 Pa·m <sup>3</sup> /mol
	Conclusion	Very high	Dry soil	Yes
	Surface tension	2,304E-2 N/m (25°C)	Moist soil	Yes
Isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0	Koc	1480	Henry	52,69E+1 Pa·m <sup>3</sup> /mol
	Conclusion	Moderate	Dry soil	Yes
	Surface tension	Non-applicable	Moist soil	Yes

### 12.5. Results of PBT and vPvB assessment

Product fails to meet PBT/vPvB criteria.

### 12.6. Other adverse effects

Not described.

## 13. DISPOSAL CONSIDERATIONS

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### 13.1. Waste treatment methods

Code: 08 01 11\*

Description: Waste paint and varnish containing organic solvents or other dangerous substances.

Waste class (Regulation (EU) n° 1357/2014): Dangerous.

#### A. Type of waste (Regulation (EU) n° 1357/2014)

HP14 Ecotoxic, HP3 flammable.

#### B. 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 (2014/955/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.

#### C. Regulations related to waste management

In accordance with Annex II of Regulation (EC) n°1907/2006 (REACH) the community or state provisions related to waste management are stated. Community legislation: Directive 2008/98/EC, 2014/955/EU: Regulation (EU) n°1357/2014.

## 14. TRANSPORT INFORMATION

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### 14.1. Transport of dangerous goods by land



With regard to ADR 2017 and RID 2017:

UN Number: UN1263

UN proper Shipping name: Paint

Transport Hazard class(es): 3 Labels: 3

Packing group: III

Dangerous for the environment: No

Special regulations: 163, 367, 640E, 650

Tunnel restriction code: D/E

Physical-Chemical properties: see section 9

Limited quantities: 5L

Transport in bulk according to Annex II of MARPOL and the IBC Code: Non-applicable.

### 14.2. Transport of dangerous goods by sea



With regard to IMDG 38-16:

UN number: UN1263

UN proper shipping name: Paint

Transport Hazard class(es): 3 Labels: 3

Packing group: III



Dangerous for the environment: No  
Special regulations: 223, 955, 163, 367  
EmS Codes: F-E, S-E  
Physical-Chemical properties: see section 9  
Limited quantities: 5L  
Transport in bulk according to Annex II of MARPOL and the IBC Code: Non-applicable.

### 14.3. Transport of dangerous goods by air



With regard to IATA/OACI 2017:

UN number: UN1263  
UN proper shipping name: Paint  
Transport Hazard class(es): 3 Labels: 3  
Packing group: III  
Dangerous for the environment: No  
Physical-Chemical properties: see section 9  
Transport in bulk according to Annex II of MARPOL and the IBC Code: Non-applicable.

## 15. REGULATORY INFORMATION

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### 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 2-phenoxyethanol.

Candidate substances for authorization under Regulations (EC) 1907/2006 (REACH): Non-applicable.

Substances included in Annex XIV of REACH ("Authorization List") and sunset date: Non-applicable.

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

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 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):

"Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosols dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:

- metallic glitter intended mainly for decoration,
- artificial snow and frost,
- "whoopie" cushions,
- Silly string aerosols,
- Imitation excrement,
- Horns for parties,
- Decorative flakes and foams,
- Artificial cobwebs,
- Stink bombs."

Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market

that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:

“For professional users only”.

Regulation (EU) No 98/2013 of the European Parliament and of the Council of 15 January 2013 on the marketing and use of explosives precursors: Contains Acetone. Product under the provisions of Article 9.

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environmental: Its I 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 product could be affected by sectorial legislation.

## **15.2. Chemical safety assessment**

The supplier has not carried out evaluation of chemical safety.

## **16. OTHER INFORMATION**

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### **16.1. 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) n°1907/2006 (Regulation (EC) n° 2015/830).

### **16.2. Text of the legislative phrases mentioned in section 2**

H336: May cause drowsiness or dizziness

H412: Harmful to aquatic life with long lasting effects

H226: Flammable liquid and vapour

### **16.3. Text of R-phrases considered in section 3**

#### **A. CLP Regulation (EC) n°1272/2008**

Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled

Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled

Aquatic Acute 1: H400 - Very toxic to aquatic life

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways

Eye Irrit. 2: H319 - Causes serious eye irritation

Flam. Liq. 2: H225 - Highly flammable liquid and vapour

Flam. Liq. 3: H226 - Flammable liquid and vapour

Muta. 2: H341 - Suspected of causing genetic defects

Repr. 1B: H360 - May damage fertility or the unborn child

Skin Corr. 1C: H314 - Causes severe skin burns and eye damage

Skin Irrit. 2: H315 - Causes skin irritation

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

STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure. (Oral)

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral)

STOT SE 1: H370 - Causes damage to organs

STOT SE 3: H335 - May cause respiratory irritation

STOT SE 3: H336 - May cause drowsiness or dizziness

Classification procedure:

STOT SE 3: Calculation method

Aquatic Chronic 3: Calculation method

Flam. Liq. 3: Calculation method (2.6.4.3)

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.

#### **16.4. Main bibliographical sources**

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

#### **16.5. 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

LC50: 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 than those specifies.



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