

# BANG & BONSOMER EKOSPRAY OPEN CELL EX 09

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 12/8/2023 Version: 1.0

SECTION 1: Identification of the substance/	mixture and of the company/undertaking	
1.1. Product identifier		
	ixture KOSPRAY OPEN CELL EX 09	
1.2. Relevant identified uses of the substance or	mixture and uses advised against	
1.2.1. Relevant identified uses         Use of the substance/mixture       : Po         1.2.2. Uses advised against         No additional information available	plyurethane	
1.3. Details of the supplier of the safety data she	et	
Bang & Bonsomer Group Oy Itälahdenkatu 18 A P.O. Box 93 FIN 00211 Helsinki Finland T +3589681081 REACH@bangbonsomer.com, http://www.bangbonsomer.com		
1.4. Emergency telephone number		
No additional information available		
SECTION 2: Hazards identification		
2.1. Classification of the substance or mixture		
Classification according to Regulation (EC) No. 1272/2	.008 [CLP]	
Acute Tox. 4 (Oral)	H302	
Skin Irrit. 2 Eye Dam. 1	H315 H318	
Aquatic Chronic 3	H412	
Full text of hazard classes, H- and EUH-statements: see se		
Adverse physicochemical, human health and environn	nental effects	

Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)

Signal word (CLP) Contains

Hazard statements (CLP)



- : Danger
- : Reaction products of phosphoryl trichloride and 2-methylocirane; Isotridecanol, ethoxylated; Bis(Dimethylaminoethyl)ether; Ethanol, 2-[2-(dimethylamino)ethoxy]-
  - : H302 Harmful if swallowed.
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.
  - H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements (CLP)	: P264 - Wash hands thoroughly after handling. P270 - Do not eat, drink or smoke when using this product.
	P273 - Avoid release to the environment.
	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
	P301+P312 - IF SWALLOWED: Call doctor if you feel unwell.
	P302+P352 - IF ON SKIN: Wash with plenty of water.
	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P310 - Immediately call a POISON CENTER, a doctor.
	P330 - Rinse mouth.
	P332+P313 - If skin irritation occurs: Get medical advice/attention.
	P362+P364 - Take off contaminated clothing and wash it before reuse.
	P501 - Dispose of contents/container to waste in accordance with national/international regulations.
2.3. Other hazards	

Other hazards which do not result in classification : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component		
Isotridecanol, ethoxylated (69011-36-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
octamethylcyclotetrasiloxane; [D4] (556-67-2)	This substance meets the PBT criteria of REACH regulation, annex XIII This substance meets the vPvB criteria of REACH regulation, annex XIII	

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component	
octamethylcyclotetrasiloxane; [D4] (556-67-2)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## **SECTION 3: Composition/information on ingredients**

## 3.1. Substances

#### Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Reaction products of phosphoryl trichloride and 2- methylocirane	CAS-No.: 1244733-77-4 EC-No.: 807-935-0 REACH-no: 01-2119486772- 26	≤ 28.5	Acute Tox. 4 (Oral), H302

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Isotridecanol, ethoxylated	CAS-No.: 69011-36-5 EC-No.: 500-241-6	≤ 8.1	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Bis(Dimethylaminoethyl)ether	CAS-No.: 3033-62-3 EC-No.: 221-220-5 REACH-no: 01-2119972935- 21	≤ 3.1	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314
Ethanol, 2-[2-(dimethylamino)ethoxy]-	CAS-No.: 1704-62-7 EC-No.: 216-940-1 REACH-no: 01-2119976346- 26	≤ 1.3	Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314 Eye Dam. 1, H318
octamethylcyclotetrasiloxane; [D4] substance listed as REACH Candidate (Octamethylcyclotetrasiloxane)	CAS-No.: 556-67-2 EC-No.: 209-136-7 EC Index-No.: 014-018-00-1 REACH-no: 01-2119529238- 36	≤ 0.03	Flam. Liq. 3, H226 Repr. 2, H361f Aquatic Chronic 4, H413

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

4.1. Description of first aid measures		
First-aid measures general	: Call a poison center or a doctor if you feel unwell.	
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.	
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.	
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.	
First-aid measures after ingestion	: Rinse mouth. Call a poison center or a doctor if you feel unwell. Do not induce vomiting because of corrosive effects.	
4.2. Most important symptoms and effects, both acute and delayed		
Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	<ul> <li>Irritation. Corrosive.</li> <li>Causes serious eye damage.</li> <li>Harmful if swallowed.</li> </ul>	

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

Treat symptomatically.

SECTION 5: Firefighting measure	es
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	<ul><li>Water spray. Dry powder. Foam. Carbon dioxide.</li><li>Do not use a heavy water stream.</li></ul>
5.2. Special hazards arising from the substance or mixture	

Hazardous decomposition products in case of fire: : Toxic fumes may be released. Oxides of carbon. Fire will produce dense black smoke.

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5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Collect contaminated extinguishing water separately and must not enter the sewage system.

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equi	pment and emergency procedures	
6.1.1. For non-emergency personnel Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes.	
6.1.2. For emergency responders	. De not etternet te telle estien witheut eviteble metertine environment. En further information	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	

# 6.2. Environmental precautions

Avoid release to the environment. Do not allow into drains or water courses.

6.3. Methods and material for containment and cleaning up		
Methods for cleaning up Other information	<ul><li>Take up liquid spill into absorbent material.</li><li>Dispose of materials or solid residues at an authorized site.</li></ul>	

## 6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Precautions for safe handling Hygiene measures	<ul> <li>Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Do not inhale vapour.</li> <li>Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.</li> </ul>		
7.2. Conditions for safe storage, including any incompatibilities			
Storage conditions Storage temperature	<ul> <li>Store in a well-ventilated place. Keep cool. Store in tightly closed container. Protect from moisture.</li> <li>15 – 25 °C</li> </ul>		
7.3. Specific end use(s)			

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

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#### 8.1.4. DNEL and PNEC

Reaction products of phosphoryl trichloride and 2-methylocirane (1244733-77-4)		
DNEL/DMEL (Workers)		
Acute - local effects, inhalation	22.6 mg/m <sup>3</sup>	
Long-term - systemic effects, dermal	2.08 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	8.2 mg/m <sup>3</sup>	
DNEL/DMEL (General population)		
Acute - systemic effects, inhalation	5.6 mg/m <sup>3</sup>	
Long-term - systemic effects, inhalation	1.45 mg/m <sup>3</sup>	
Long-term - systemic effects, dermal	1.04 mg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	0.32 mg/l	
PNEC aqua (marine water)	0.032 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	11.5 mg/kg dwt	
PNEC sediment (marine water)	1.15 mg/kg dwt	
PNEC (Soil)		
PNEC soil	0.34 mg/kg dwt	
PNEC (Oral)		
PNEC oral (secondary poisoning)	< 11.6 kg/kg food	
PNEC (STP)		
PNEC sewage treatment plant	19.1 mg/l	
octamethylcyclotetrasiloxane; [D4] (556-67-2)	)	
DNEL/DMEL (Workers)		
Acute - systemic effects, inhalation	73 mg/m <sup>3</sup>	
Acute - local effects, inhalation	73 mg/m <sup>3</sup>	
Long-term - systemic effects, inhalation	73 mg/m <sup>3</sup>	
Long-term - local effects, inhalation	73 mg/m³	
PNEC (Water)		
PNEC aqua (freshwater)	44 mg/l	
PNEC aqua (marine water)	44 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	0.64 mg/kg dwt	
PNEC sediment (marine water)	0.064 mg/kg dwt	
PNEC (Soil)		
PNEC soil	0.13 mg/kg dwt	
PNEC (Oral)		
PNEC oral (secondary poisoning)	> 10 mg/l	
9.1.5. Control banding		

### 8.1.5. Control banding

No additional information available

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#### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure adequate ventilation. Always wash hands after handling the product. Avoid contact with skin and eyes. Do not drink, eat or smoke in the workplace. Do not inhale gases/fumes/aerosols. Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

**Eye protection:** Protective goggles (EN 166)

#### 8.2.2.2. Skin protection

#### Skin and body protection:

Use chemically protective clothing

#### Hand protection:

Gloves. Gloves must be discarded and replaced if there is any indication of degradation or chemical breakthrough

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR), Neoprene		0,35		EN ISO 374

#### 8.2.2.3. Respiratory protection

#### **Respiratory protection:**

In case of inadequate ventilation wear respiratory protection.

Respiratory protection			
Device	Filter type	Condition	Standard
	Туре А		

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties	
9.1. Information on basic phy	ysical and chemical properties
Physical state Colour Odour Odour threshold Melting point Freezing point	<ul> <li>Liquid</li> <li>Yellowish-brown.</li> <li>Irritating.</li> <li>Not available</li> <li>Not applicable</li> <li>Not available</li> <li>Not available</li> </ul>
Boiling point Flammability	: Not available : Non flammable.

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Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	:
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Viscosity, dynamic	: 200 – 500 mPa⋅s
Solubility	: insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1.1 – 1.2 g/cm <sup>3</sup> 25 C
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

#### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

### **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### **10.3. Possibility of hazardous reactions**

Reacts with isocyanates. Reacts exothermically with (some) acids.

**10.4. Conditions to avoid** 

None under recommended storage and handling conditions (see section 7).

**10.5. Incompatible materials** 

Oxidising agents. Acids. Isocyanates.

**10.6. Hazardous decomposition products** 

On combustion, forms: carbon oxides (CO and CO2).

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) Acute toxicity (dermal)

: Harmful if swallowed.: Not classified

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Acute toxicity (inhalation) :	Not classified
EKOSPRAY OPEN CELL EX 09	
ATE CLP (oral)	500 mg/kg bodyweight
Reaction products of phosphoryl trichloride a	and 2-methylocirane (1244733-77-4)
LD50 oral rat	500 – 632 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 7 mg/l
Isotridecanol, ethoxylated (69011-36-5)	
LD50 oral rat	500 – 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
Bis(Dimethylaminoethyl)ether (3033-62-3)	
LD50 oral rat	910 mg/kg
LD50 dermal rabbit	238 mg/kg
LC50 Inhalation - Rat	177 ppm, 6h
Ethanol, 2-[2-(dimethylamino)ethoxy]- (1704-6	52-7)
LD50 oral rat	2460 µl/kg
octamethylcyclotetrasiloxane; [D4] (556-67-2)	
LD50 oral rat	4800 mg/kg OECD Test Guideline 401
LD50 dermal rat	> 2400 mg/kg OECD Test Guideline 402
LC50 Inhalation - Rat	36 mg/l/4h OECD Test Guideline 403
Skin corrosion/irritation :	Causes skin irritation.
Serious eye damage/irritation :	Causes serious eye damage. Not classified
Respiratory or skin sensitisation : Germ cell mutagenicity :	Not classified
	Not classified
octamethylcyclotetrasiloxane; [D4] (556-67-2)	
NOAEL (chronic, oral, animal/male, 2 years)	150 mg/kg bodyweight NOAEC; OECD 453
NOAEL (chronic, oral, animal/female, 2 years)	> 700 mg/kg bodyweight NOAEC; OECD 453
Reproductive toxicity :	Not classified
5 1	Not classified
STOT-repeated exposure :	Not classified
Isotridecanol, ethoxylated (69011-36-5)	
LOAEL (oral, rat, 90 days)	50 mg/kg bodyweight/day 600 days
octamethylcyclotetrasiloxane; [D4] (556-67-2)	
NOAEL (dermal, rat/rabbit, 90 days)	150 mg/kg bodyweight/day (male and female); 950 mg/kg rabbit (male and female)
Aspiration hazard :	Not classified
11.2. Information on other hazards	
11.2.1. Endocrine disrupting properties	
Adverse health effects caused by endocrine : disrupting properties	The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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#### 11.2.2. Other information

No additional information available

SECTION 12: Ecological information		
12.1. Toxicity		
Ecology - general : Harmful to aquatic life with long lasting effects. Hazardous to the aquatic environment, short-term : Not classified (acute) Hazardous to the aquatic environment, long-term : Harmful to aquatic life with long lasting effects. (chronic)		
Reaction products of phosphoryl trichloride a	nd 2-methylocirane (1244733-77-4)	
LC50 - Fish [1]	51 mg/l	
EC50 - Crustacea [1]	131 mg/l	
EC50 72h - Algae [1]	82 mg/l	
Isotridecanol, ethoxylated (69011-36-5)		
LC50 - Fish [1]	1 – 10 mg/l Cyprinus carpio, OECD 203	
EC50 - Crustacea [1]	1 – 10 mg/l Daphnia magna, OECD Test No. 202	
EC50 72h - Algae [1]	1 – 10 mg/l Desmodesmus subspicatus 72h OECD 201	
NOEC chronic crustacea	> 1 mg/l Daphnia magna	
12.2. Persistence and degradability		
Isotridecanol, ethoxylated (69011-36-5)		
Biodegradation	> 60 % (672h OECD 301B)	
octamethylcyclotetrasiloxane; [D4] (556-67-2)		
Persistence and degradability	Not readily biodegradable.	
Biodegradation	3.7 % 29d	
12.3. Bioaccumulative potential		
Isotridecanol, ethoxylated (69011-36-5)		
Partition coefficient n-octanol/water (Log Kow)	6.4	
octamethylcyclotetrasiloxane; [D4] (556-67-2)		
BCF - Fish [1]	12.4 Fathead Minnow	
Partition coefficient n-octanol/water (Log Pow)	5.1	
Bioaccumulative potential	Low.	
12.4. Mobility in soil		
EKOSPRAY OPEN CELL EX 09		
Ecology - soil	insoluble in water.	
Isotridecanol, ethoxylated (69011-36-5)		
Mobility in soil	2.645	
octamethylcyclotetrasiloxane; [D4] (556-67-2)		
Ecology - soil	No data available.	

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12.5. Results of PBT and vPvB assessment	
Component	
Isotridecanol, ethoxylated (69011-36-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
octamethylcyclotetrasiloxane; [D4] (556-67-2)	This substance meets the PBT criteria of REACH regulation, annex XIII This substance meets the vPvB criteria of REACH regulation, annex XIII
12.6. Endocrine disrupting properties	
Adverse effects on the environment caused by endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.7. Other adverse effects	
Other adverse effects :	Avoid discharge to the environment, Do not allow into drains or water courses.

# SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

## **SECTION 14: Transport information**

ADR	IMDG	ΙΑΤΑ	RID
I4.1. UN number or ID number			<u> </u>
Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name	)		
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated

14.6. Special precautions for user

# Overland transport

Not regulated

Transport by sea Not regulated

Air transport Not regulated

Rail transport Not regulated

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#### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

### **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

Contains substance(s) listed on the REACH Candidate List in concentrations  $\geq 0.1$  % or SCL: Octamethylcyclotetrasiloxane (EC 209-136-7, CAS 556-67-2)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### 15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## **SECTION 16: Other information**

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	

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Abbreviations and acronyms:	
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Other information

: This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Full text of H- and EUH-statements:	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment – Chronic Hazard, Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H361f	Suspected of damaging fertility.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

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Full text of H- and EUH-statements:	
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.