

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

1.1. Product identifier

Trade name: **BIFENT® FOGGER PLUS**

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

1.2.1. Relevant identified uses

Aerosol intended for the control of flying and crawling insects (i.e. mosquitoes, cockroaches, flies).

1.2.2. Uses advised against

None.

1.3. Details of the supplier of the safety data sheet

ICB Pharma Tomasz Świętosławski, Paweł Świętosławski Spółka Jawna

Address: Moździerzowców 6a, 43-602 Jaworzno, Poland

Phone: +48 32 745 47 00

e-mail: office@icbpharma.com

Person responsible for SDS: e-mail: grzegorz.zmijowski@icbpharma.com

1.4. Emergency telephone number:

112 – emergency number

+48 32 745 47 00 (at working hours: 8.00 a.m. – 4 p.m.) – manufacturer number

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

According to the Regulation (EC) No 1272/2008:

Product is classified as hazardous:

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated

Skin Sens. 1 H317 May cause an allergic skin reaction

Carc. 2 H351 Suspected of causing cancer.

Aquatic Acute H400 Very toxic to aquatic life

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

Health hazard: skin sensitizing, suspected of causing cancer

Environmental Hazards: very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment

Physical hazards: Pressurised container: May burst if heated

Fire hazard: aerosol with extremely flammable gas as propellant, in favourable conditions forms explosive mixtures with air. Avoid open flames in the place of use – risk of fire and explosion.

2.2. Label elements

According to the Regulation (WE) 1272/2008:

Pictograms:



Signal Word:

DANGER

Hazard statements:

H222 Extremely flammable aerosol

H229 Pressurised container: May burst if heated

H317 May cause an allergic skin reaction

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H351 Suspected of causing cancer.

H410 Very toxic to aquatic life with long lasting effects

Precautionary statement:

P201 Obtain special instructions before use.

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

P261 Avoid breathing mist

P273 Avoid release to the environment

P280 Wear protective gloves/ protective clothing/ eye protection.

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F

Additional information to be placed on the label:

Permethrin, Tetramethrin, Piperonyl Butoxide (PBO), Hydrocarbons, C3-4.

Labelling of packages < 125 ml:

Pictograms:



Signal Word:

DANGER

Hazard statements:

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

Precautionary statement:

P201 Obtain special instructions before use.

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

P261 Avoid breathing mist.

P280 Wear protective gloves/ protective clothing/ eye protection.

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Additional information to be placed on the label:

Permethrin, Tetramethrin, Piperonyl Butoxide (PBO), Hydrocarbons, C3-4

2.3. Other hazards

The mixture doesn't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

Pressurized container: protect from sunlight and temperatures above 50°C.

Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

Keep away from sources of ignition - do not smoke while spraying.

Build-up of explosive mixtures possible without sufficient ventilation.

Contains min. 60% w/w of extremely flammable gases.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

The product is a mixture. Chemical composition: active substances Permethrin, Tetramethrin, Piperonyl Butoxide (PBO), propellant gas – Hydrocarbons, C3-4, harmless additives.

The classifications of hazardous substances contained in the product are given in Table 3.1 and 3.2 of Annex



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VI to the Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 (Regulation GHS), including its amends, REACH data, the manufacturer and available literature data.

Chemical name	CAS No/ EC No	REACH Registration No	Index No	Content	Hazard class and hazard statement
5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-1,3-benzodioxole; Piperonyl Butoxide (PBO)	CAS: 51-03-6 EC: 200-076-7	Not required*	Not assigned	18,75 % (v/v)	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	CAS: 52645-53-1 EC: 258-067-9	Not required*	613-058-00-2	12,5% (v/v)	Acute Tox. 4 (oral), H302 Skin Sens. 1, H317 Acute Tox. 4 (inh), H332 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Tetramethrin	CAS: 7696-12-0 EC: 231-711-6	Not required *	Not assigned	5% (v/v)	Carc. 2 H351 Acute Tox. 4 H302 STOT SE 2 H371 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Hydrocarbons, C3-4	CAS: 68476-40-4 EC: 270-681-9	01-2119486557- 22-0011	649-199-00-1	min. 60 % wag.	Flam. Gas 1,, Press. Gas, H220 Note K*

M-factor for environment hazardous substance (CAS no 52645-53-1)

Acute hazard: M = 1000

M-factor for environment hazardous substance (CAS no 7696-12-0)

Acute hazard: M = 100

Note K: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w 1,3-butadiene (EINECS No 203-450-8). If the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P210-P403 (Table 3.1) or the S-phrases (2-)9-16 (Table 3.2) should apply. This note applies only to certain complex oil-derived substances in Part 3.

* Active substance used in biocidal products

Meaning of hazards classes and categories and full H phrases are given in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General recommendations

Stop the exposure and remove the injured person from a polluted environment. Place in a lateral position. Provide fresh air and heat. In the event of health problems, immediately contact doctor. Show SDS of product. Inform medical personnel of provided first aid.

Contamination of the skin:

Remove contaminated clothing. Contaminated areas of the skin wash thoroughly water with soap. In the case of persistent irritation or sensitization consult a doctor. Contaminated clothing wash before reuse.

Contamination of the eyes:

Flush contaminated eyes with wide-open eyelids a continuous stream of water for about 10 minutes. In the case of persistent irritation consult an ophthalmologist.

Inhalation:

Remove victim from exposure, place victim in a reclining position. If breathing is difficult provide fresh air and immediately call for medical help.

Ingestion:

Rinse mouth immediately and then drink plenty of water (do not drink, milk, oil or alcohol), seek immediate medical attention. WARNING: Fats, edible oils, alcohol increase active ingredients assimilation.



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Protection of personnel providing first aid:

Do not take any action which may pose a risk to first-aider unless adequately trained and aware of risks.

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

Acute symptoms – can cause mild eye irritation (redness, lachrymation)

Delayed symptoms – prolonged or repeated contact with product may cause allergic skin reaction

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

Note to Physician: No specific antidote, treat symptomatically, active ingredients of the product (permethrin and tetramethrin) are pyrethroids.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

CO₂, powders and foams, water spray

Unsuitable extinguishing media:

strong water jet – risk of fire spreading, environment pollution.

5.2. Special hazards arising from the substance or mixture

Pressurized product in an aerosol container containing flammable gases.

The combustion / thermal decomposition of the product may produce carbon, nitrogen, chlorine oxides, hydrogen chloride, other harmful gases. Avoid inhalation of combustion products, may pose a threat to health.

5.3. Advice for fire-fighters

Strictly apply the breathing apparatus and protective clothing for firefighting or during clean-up work immediately after a fire in an enclosed, or poorly ventilated areas.

General advice: Remove from the endangered area unauthorized persons, not involved in extinguishing the fire, order evacuation if necessary.

Additional notes: Packaging exposed to fire should be cooled with water jet (at temperatures above 50°C, an explosion can occur). Packaging which are not covered by the fire, exposed to high temperature should be if possible removed from the hazardous area. Fire residues and contaminated waters dispose in according to applicable regulations. Do not introduce contaminated waters into drains.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid direct contact with releasing product. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Remove all potential ignition sources.

Inform about the accident, call the appropriate emergency services (e.g. Fire Brigade, Police) if necessary.

6.2. Environmental precautions

Do not allow to enter drains, groundwater, soil and open water courses. Spilled liquefied product should be protected against spreading using dams or barriers. In case of water contamination inform local authorities.

6.3. Methods and material for containment and cleaning up

In case of unsealed container or spillage secure source of contamination and move product to empty container. Spillages should be treated by appropriate sorbent (sand, sawdust, diatomaceous earth, vermiculite), collected to closed container, labelled and take to a special waste disposal site in accordance with local authority regulations. Area of spillage should be thoroughly cleaned with water and detergents, observing environmental regulations.

6.4. Reference to other sections

Personal protective equipment – section 8



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Waste disposal – section 13

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid unnecessary contact with the product. Protect eyes and skin. Do not inhale vapors and aerosols. Do not allow isobutane to form an explosive mixture. Avoid contact with heat sources, sparks, open flame.

Industrial hygiene:

- sufficient ventilation of work area is recommended (general and local exhaust ventilation)
- provide place for eye and wash cleaning in case of contamination
- wash hands by water and soap before eating, smoking and after work end.
- follow common safety precautions of chemicals handling

Specific measures against fire and explosion.

Do not spray on flames or red-hot objects.

Keep ignition sources away – do not smoke.

Protect against electrostatic charges.

Use as intended and according to instruction of use.

7.2. Conditions for safe storage, including any incompatibilities.

Store in cool well-ventilated location, protect from temperatures above 35°C and direct sun.

Observe official regulations on storing packaging with pressurized containers.

Keep the product away from children, food, beverage and animal feed.

7.3. Specific end use(s)

See section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational Exposure Limit Value:

There is no exposure standard allocated to hazardous components of this product.

DNELs (Derived No Effect Levels) available for mixture components:

Piperonyl Butoxide (PBO)

Route of exposure	Workers				General population (consumers)			
	Acute local Effects	Acute systemic effects	Chronic local effects	Chronic systemic effects	Acute local Effects	Acute systemic effects	Chronic local effects	Chronic systemic effects
Ingestion	n.d.	n.d.	n.d.	n.d.	VND	2,286 mg/kg/d	VND	1,143 mg/kg/d
Inhalation	3,875 mg/m ³	7,750 mg/m ³	0,222 mg/m ³	3,875 mg/m ³	1,937 mg/m ³	3,874 mg/m ³	1,937 mg/m ³	1,937 mg/m ³
Dermal	0,444 mg/cm ²	55,556 mg/kg/d	0,444 mg/cm ²	27,778 mg/kg/d	0,222 mg/cm ²	27,776 mg/kg/d	0,222 mg/cm ²	13,888 mg/kg/d

n. d. – no data

VND = hazard identified but no DNEL/PNEC available

8.2. Exposure controls

Technical exposure controls:

General or local mechanical ventilation of working area is sufficient.

Personal protection measures

The need of use and selection of appropriate personal protective equipment should depend on type of threat posed by the product, workplace conditions and handling of the product. Use protective equipment from reputable manufacturers.



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Respiratory protection

is not necessary under normal conditions with sufficient ventilation, required during exposure to high concentrations of vapours. Wear mask or respirator completed with the filter type A

Hand protection

wear protective gloves made of: butyl rubber, neoprene, nitrile rubber, polyvinylchloride, Material of gloves must be resistant to the product. As the product is a mixture of several substances, the resistance of material of gloves cannot be calculated in advance and therefore has to be checked before use. From the manufacturer's advice should be obtained information about the time of the penetration of substances and such time must be respected. The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. It is recommended to change gloves and replace them immediately if you notice any signs of wear, damage (rupture, perforation) or changes in appearance (colour, flexibility, shape).

Eye protection

Protective glasses recommended

Skin protection

Protective clothing

Protective equipment standards:

EN 140:2001 Respiratory protective devices - Half masks and quarter masks - Requirements, testing, marking

EN 143:2004 Respiratory protective devices - Particle filters - Requirements, testing, marking

EN 149+A1:2010 Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking

EN 14387+A1:2010 Respiratory protective devices - Gas filter(s) and combined filter(s) - Requirements, testing, marking

EN 374-1:2005 Protective gloves against dangerous chemicals and micro-organisms -- Part 1: Terminology and performance requirements for chemical risks

EN 374-2:2005 Protective gloves against chemicals and micro-organisms - Part 2: Determination of resistance to penetration

EN 374-3:2005 Protective gloves against chemicals and micro-organisms -- Part 2: Determination of resistance to permeation by chemicals

PN-EN 166:2005 Personal eye protection. Specifications

PN-EN 14605+A1:2010 Protective clothing against liquid chemicals. Performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

PN-EN ISO 20344:2012 Personal protective equipment -- Test methods for footwear

Professional Pest Control Product: Avoid contact with the skin, eyes and clothing. Wash hands after use. Take off immediately all contaminated clothing. Store working cloth separately.

Environmental exposure controls:

Do not allow the product to get to the soil, surface and ground water.

PNECs (Predicted No Effect Concentrations) for mixture components:

Piperonyl Butoxide (PBO):

Compartment	
Fresh water	0,003 mg/l
Sediment – fresh water	0,0194 mg/kg
Marine water	0,0003 mg/l
Sediment - Marine water	0,00194 mg/kg
Intermittent releases (freshwater)	0,0003 mg/l
Food chain	No data
Biological sewage treatment plant	No data
Soil (agriculture)	No data
Air	No data



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Permethrin

Fresh water	0,00047 µg a.i/L
Sediment – fresh water	0.001 mg/kg sediment dw
Microorganism (STP)	100 mg a.i/L
Marine water	No data
Intermittent releases (freshwater)	No data
Food chain	16.7 mg/kg food - 120 mg/kg food
Biological sewage treatment plant	No data
Soil (agriculture)	> 0.0876 mg/kg soil ww
Air	No data

Environmental exposure controls:

Do not allow to enter large amounts of product into ground water, sewage, waste water or soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	Aerosol
Odour:	No data
Odour threshold:	No data
pH:	No data
Melting point/freezing point:	No data
Initial boiling point and boiling range:	No data
Flash point:	No data
Evaporation rate:	No data
Flammability:	propellant gas is extremely flammable
Upper/lower flammability or explosive limits:	No data
Vapour pressure:	No data
Vapour density:	No data
Sensity (20°C):	No data
Solubility in water:	No data
Partition coefficient: n-octanol/water:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data
Explosive properties:	No data
Oxidising properties:	No data

9.2. Other information

None

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

Product is not reactive under normal conditions of storage and handling.

10.2. Chemical stability:

Product is stable under normal conditions (see Section 7 – storage conditions).

10.3. Possibility of hazardous reactions:

No data

10.4. Conditions to avoid:

Temperatures above 35 °C, open flames, sparks, heat sources. Do not puncture the packaging.



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10.5. Incompatible materials:

Oxidizers, corrosive agents

10.6. Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Classification of the product was conducted by calculation method according to regulation 1272/2008 based on the content of hazardous ingredients:

Acute toxicity:

Acute Oral Toxicity: product does not meet criteria for classification, $ATE_{mix} > 2000$ mg/kg

Acute Dermal Toxicity: product does not meet criteria for classification, $ATE_{mix} > 2000$ mg/kg

Acute Inhalation Toxicity: product does not meet criteria for classification, $ATE_{mix} > 5$ mg/l

Skin corrosion/irritation:

based on data available classification criteria are not met

Serious eye damage/irritation:

based on data available classification criteria are not met

Respiratory or skin sensitisation:

product classified as may cause an allergic skin reaction

Germ cell mutagenicity:

product does not contain any compounds with germ cell mutagenicity hazard

Carcinogenicity:

product classified as may cause cancer

Reproductive toxicity:

product does not contain any compounds with reprotoxic hazard

STOT-single exposure:

based on data available classification criteria are not met

STOT-repeated exposure:

based on data available classification criteria are not met

Aspiration hazard:

based on data available classification criteria are not met

Potential health hazards:

Ingestion: no data

Inhalation: no data

Skin: can cause skin sensitisation

Eyes: no data

Available toxicological data for components of the product:

Permethrin

Acute Oral Toxicity LD50 (rat): 554 mg/kg

Acute Dermal Toxicity LD50 (rat): >2000 mg/kg

Acute Inhalation Toxicity LD50 (rat): >4,638 mg/l/4h

Piperonyl Butoxide (PBO):

Acute Oral Toxicity LD50 (rat-female): 4570 mg/kg

Acute Dermal Toxicity LD50 (rabbit): >2000 mg/kg

Acute Inhalation Toxicity LD50 (rat): >5,9 mg/l/4h

Tetramethrin

Acute Oral Toxicity LD50 (rat-female): >2000 mg/kg

Acute Dermal Toxicity LD50 (rabbit): >2000 mg/kg

Acute Inhalation Toxicity LD50 (rat): >5,63 mg/l/4h



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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

Classification of the product was conducted by calculation method according to regulation 1272/2008 based on the content of hazardous ingredients.

Product is classified as very toxic to aquatic life.

Product is classified as very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability:

No data

12.3. Bioaccumulative potential:

No data

12.4. Mobility in soil:

No data

12.5. Results of PBT and vPvB assessment:

Product does not meet the criteria for PBT or vPvB according to Annex XIII of REACH regulation

12.6. Other adverse effects:

Product classified as very toxic to the aquatic environment, may cause long-term adverse effects in the aquatic environment. Product is toxic for bees.

Available ecotoxicological data for components of the product :

Permethrin

Acute Toxicity to fish (*Pimephales promelas*): LC50 (96h): 0,3 – 315 µg/dm³

Acute Toxicity to aquatic invertebrates (*Daphnia magna*) EC50 (48h): 0,02 – 7,6 µg/dm³

Permethrin has low potential for bioaccumulation

Piperonyl Butoxide(PBO):

Acute Toxicity to fish (*Oncorhynchus mykiss*): LC50 (96h): 6,12 mg/dm³

Acute Toxicity to aquatic invertebrates (*Daphnia magna*) EC50 (48h): 0,51 mg/dm³

Tetramethrin

Acute Toxicity to fish (*Oncorhynchus mykiss*): LC50 (96h): 6,4 µg/dm³

Acute Toxicity to aquatic invertebrates (*Daphnia magna*) EC50 (48h): 0,049 mg/ dm³

Tetramethrin is not readily biodegradable (biodegradation 2 % after 28 days)

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Waste from residues/unused products:

Deliver it to utilization in plants permitted to waste collection, transport, waste recovery and disposal. Do not introduce waste of product into sewage.

Suggested code of waste:

Group of waste: 07 04 - wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides

Waste code: 07 04 99 – wastes not otherwise specified

Disposing of the packaging:

it is prohibited to burn them on the ground or treated as secondary raw material. Treat them as a waste product. Dispose of as unused product.

Waste code: 15 01 04 – metal packaging

15 01 10* – packaging containing residues of hazardous substances or contaminated

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SECTION 14: TRANSPORT INFORMATION

14.1. UN number:

ADR, IATA DGR, IMDG CODE 1950

14.2. UN proper shipping name:

ADR, IMDG CODE AEROSOLS

IATA DGR, AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es):

ADR, IMDG CODE 2

IATA DGR 2.1



14.4. Packing group:

Not applicable

14.5. Environmental hazards:

Yes

14.6. Special precautions for user:

ADR Classification code: 5F

Labels: 2.1

Hazard identification No: -

Packing instructions: P207

Transport category (tunnel restriction code): 2 (D)

IATA DGR Class or Div.: 2.1

Hazard Label: Flamm. Gas

Ltd Qty PI: Y203

Passenger and Cargo Aircraft PI: 203

Cargo Aircraft Only PI: 203

IMDG Marine pollutant: yes

Stowage and Handling: SW1, SW22 (category A)

Segregation: SG69 (segregation as for class 9)

Emergency Schedule: F-D, S-U

not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council from 18.12.2006 concerning the Registration, Evaluation, Authorization and Restriction from Chemicals (REACH)

- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

- Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

- Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals

- European agreement concerning international road transport of dangerous products (ADR)

- DIRECTIVE 2012/18/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC

- COMMISSION DIRECTIVE (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative



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occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU

Directive 2012/18/UE:

Named dangerous substances - ANNEX I none of the product ingredients is listed

Seveso category E1 Hazardous to the Aquatic Environment, P3a – Flammable aerosols

Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of lower-tier requirements - 100 t

Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of upper-tier requirements - 200 t

15.2. Chemical safety assessment

Chemical safety assessment was not conducted for the product

SECTION 16. OTHER INFORMATION

Explanation of abbreviations and acronyms used in the SDS:

Flam. Aerosol 1, Flammable Aerosol, category 1

Skin Sens. 1 Skin sensitization, category 1

Carc. 2 Carcinogenicity, Category 2

Aquatic Chronic 1 Hazardous to the aquatic environment, chronic, category 1

H222 Extremely flammable aerosol

H229 Pressurised container: May burst if heated

H317 May cause an allergic skin reaction

H351 Suspected of causing cancer.

H410 Very toxic to aquatic life with long lasting effects

CAS – Chemical Abstracts Service

EINECS – Number assigned to a substance in the European Inventory of Existing Commercial Chemical Substances

PBT – persistence, bioaccumulation potential and toxicity

vPvB – very high durability and very bioaccumulative

TLV – threshold limit value in the workplace

STEL – short term exposure limits maximum of a substance harmful to health in the workplace

ATE_{mix} – acute toxicity estimate for mixture

LD₅₀ – Lethal Dose, 50%

LC₅₀ – Lethal Concentration, 50%

EC₅₀ – Effect Concentration 50%

UN number – identification number of the material (the number of UN, UN number)

ADR – European Agreement concerning the international carriage of dangerous goods by road

IMDG – International Maritime Dangerous Goods Code

SDS was prepared in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). This document was prepared in compliance with SDS format, yet it was created only for information purpose – product isn't classified as dangerous in any class, does not contain PBT or vPvB substances, does not contain substances from candidate list (SVHC).

Classification of the product was based on the content of ingredients and according to Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Recommendation and restriction of use: Use according to label. Additional safety information available at manufacturer.



SAFETY DATA SHEET

prepared in accordance with Article 31 of Regulation (EC) (No 1907/2006 (REACH)
and Regulation (EU) No. 2015/830

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Source of data: this SDS was prepared based on SDS of ingredients, physico-chemical data for the product, our knowledge and experience according to actual legislation.

ECHA

C&L Inventory

Disclaimer: information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. End user is responsible for inappropriate use of information enclosed in SDS or inappropriate use of product.

Edition 4.0, Section 1-16, editorial changes, information update, adjustment to current legislation