

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 01.03.2024

Version 3.1

Revision: 01.03.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: IOTOX ANTI FOURMIS

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

Application of the substance / mixture

Insecticide (biocide PT18)

Bait - ready for use (RB)

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

IPC - 10 Quai Malbert - 29200 BREST France

Tél : +33(0)2.98.43.45.44 - Fax : +33 (0)2.98.44.22.53

Further information obtainable from: ipc@groupe-ipc.com

1.4 Emergency telephone number Call local emergency information.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

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

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms void

Signal word void

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.

P273 Avoid release to the environment.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P501 Dispose of contents/container to appropriate waste disposal in accordance with local/national regulations.

Additional information:

EUH208 Contains (benzyloxy)methanol. May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment

This mixture does not meet the PBT- or vPvB-criteria according to Regulation (EC) No 1907/2006.

Determination of endocrine-disrupting properties

The product contains no components considered to have endocrine disrupting properties according to REACH Article 57(f), Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixture

Description: Insecticidal gel based on the active substance sodium cacodylate [CAS:124-65-2 ; PT18]

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Dangerous components:		
CAS: 124-65-2 EINECS: 204-708-2	sodium cacodylate Acute Tox. 4, H302; Aquatic Chronic 3, H412	$3 \leq x < 10\%$
CAS: 57-50-1 EINECS: 200-334-9	sucrose, pure substance with a Community workplace exposure limit	$50 \leq x < 100\%$
CAS: 14548-60-8 EINECS: 238-588-8	(benzyloxy)methanol Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; STOT SE 3, H335	$0 < x < 0.1\%$

Additional information:

Contains a bittering agent (denatonium benzoate).

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:**

In case of accident or if you feel unwell seek medical advice (show label where possible).

After inhalation: Supply fresh air; consult doctor in case of complaints.**After skin contact:**

Remove contaminated clothes and rinse affected skin thoroughly with water.

If skin irritation persists consult a doctor.

Wash contaminated clothes before reuse.

After eye contact:

Rinse opened eye for several minutes under running water. Get medical advice if irritation persists.

After swallowing:

Rinse out mouth with plenty of water. If symptoms of indisposition persist, seek medical advice.

Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed Symptomatic treatment.**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.**For safety reasons unsuitable extinguishing agents:** Water with full jet.**5.2 Special hazards arising from the substance or mixture**

Formation of hazardous gases (COx, NOx) is possible in case of fire.

5.3 Advice for firefighters**Protective equipment:**

Do not inhale explosion gases or combustion gases.

Regarding the product no special protective equipment is necessary. Use protective equipment suitable to the situation.

Additional information

Contain runoff to prevent entry into water or drainage systems.

Dispose of fire debris and contaminated firefighting water according to the regulations.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Please notice instructions for person-related safety precautions, wear protective equipment (see 8.)

Avoid contact with skin and eyes.

6.2 Environmental precautions:

Do not allow to enter sewers, surface or ground water.

Advise water authority in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid or universal binders, sawdust).

Place into suitable and labelled containers for disposal.

Clean contaminated floors and objects thoroughly, observing environmental regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

While handling pay attention to the usual precaution for chemicals. Comply with instructions for use.

Avoid any contact with skin, eyes and clothes.

Wash hands before break and at the end of work.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Store only in tightly closed original packaging.

Protect against direct sun exposure and frost.

Information about storage in one common storage facility:

Do not store food, beverages and animal feeding stuff in the storage area.

Further information about storage conditions:

Keep out of the reach of children and domestic animals.

Close the cap after use.

Keep only in original packaging.

Store containers upright.

Recommended storage temperature: Ambient

7.3 Specific end use(s) Use only according to instructions.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 57-50-1 sucrose, pure

VLEP (France)	Long-term value: 10 mg/m ³
TWA (Italy)	Long-term value: 10 mg/m ³ ; A4
VLE (Portugal)	Long-term value: 10 mg/m ³ ; A4; erosão dental

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LEP (Spain)	Long-term value: 10 mg/m ³
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Regulatory information

VLEP (France): ED 1487 05.2021

TWA (Italy): Valori Limite di Soglia

VLE (Portugal): NP 1796:2014

LEP (Spain): Límites de exposición profesional para agentes químicos

8.2 Exposure controls**Appropriate engineering controls** Provide adequate ventilation.**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

Avoid unnecessary contact with the product. Do not eat, drink or smoke at workplace and keep it tidy.

Remove contaminated clothing and wash carefully before reuse.

Wash hands before break and at the end of work.

Respiratory protection: Not required if used according to its intended purpose.**Hand protection** For prolonged or repeated contact protective gloves are recommended.**Material of gloves**

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Eye/face protection Not required if handled properly.**Body protection** Not required if handled properly.**Environmental exposure controls**

Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form:	Gel
Colour:	Pink
Odour:	Characteristic
Melting point/freezing point:	Not determined.
Boiling point or initial boiling point and boiling range:	Not determined.
Flammability:	Not determined.
Lower and upper explosion limit:	No data available.
Flash point:	Not determined.
Auto-ignition temperature:	Not determined.
Decomposition temperature:	No data available.
pH:	7 - 8.5
Viscosity	
dynamic:	> 100 mPas
Solubility	
water:	Soluble.
Partition coefficient, n-octanol/water:	sodium cacodylate trihydrate: log Pow < -1.55 (benzyloxy)methanol: log Pow: 0.3
Vapour pressure:	No data available.
Relative density:	1.27 - 1.32
Relative gas density	No data available.

9.2 Other information**Explosive properties:** No data available

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Trade name: IOTOX ANTI FOURMIS**Oxidising properties:** No data available.**Information with regard to physical hazard classes** Not relevant.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.**10.2 Chemical stability** Stable under recommended storage conditions.**10.3 Possibility of hazardous reactions** No hazardous reactions known if used according to specifications.**10.4 Conditions to avoid** Extreme temperatures and direct sun exposure.**10.5 Incompatible materials** Do not mix with other products.**10.6 Hazardous decomposition products**

(Benzyloxy)methanol substance releasing potentially formaldehyde when contained in a mixture.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values relevant for classification:**

There are no product specific data on toxicology available.

CAS: 6131-99-3 sodium cacodylate trihydrate

oral	LD50	2,000 mg/kg (rat) (OECD 425)
dermal	LD50	> 2,000 mg/kg (rabbit) (OECD 402)
inhalative	LC50/4h	> 5.12 mg/l (rat) (OECD 403)

CAS: 14548-60-8 (benzyloxy)methanol

oral	LD50	1,700 mg/kg (rat)
dermal	LD50	1,000 - 2,000 mg/kg (rat)

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Sodium cacodylate trihydrate: slightly irritating (OECD 404)

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Sodium cacodylate trihydrate: mildly irritating (OECD 405)

Respiratory or skin sensitisation

The product contains a sensitising substance. Skin contact may cause allergic reactions.

Sodium cacodylate trihydrate: not skin sensitising (guinea pig, OECD 406).

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Sodium cacodylate trihydrate: not mutagen (US-EPA 84-2).

Carcinogenicity

Based on available data, the classification criteria are not met.

Sodium cacodylate trihydrate: Exposure to high concentrations of cacodylic acid in drinking water caused tumours in the bladders of female rats. This effect is not relevant to humans at expected exposure levels (US EPA 83-5).

Reproductive toxicity Based on available data, the classification criteria are not met.

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Trade name: IOTOX ANTI FOURMIS**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**11.2 Information on other hazards****Endocrine disrupting properties** None of the ingredients is listed.**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:**

For the product there are no ecotoxicological data available.

CAS: 6131-99-3 sodium cacodylate trihydrateLC50/96h > 133.0 mg/l (bluegill sunfish, *Lepomis macrochirus*) (US EPA 72-1)EC50/48h > 61.6 mg/l (water flea, *Daphnia magna*) (US EPA 72-2)ErC50 89.8 mg/l (alga, *Selenastrum capricornutum*) (US EPA 123-2)ErC50/14d 33.1 mg/l (duckweed, *Lemna gibba*)**CAS: 14548-60-8 (benzyloxy)methanol**

LC50/96h 81.5 mg/l (fish)

EC50/48h 43.0 mg/l (water flea, *Daphnia magna*)EC50/72h 17.7 mg/l (alga, *Desmodesmus subspicatus*)**12.2 Persistence and degradability**

Sodium cacodylate trihydrate: not readily biodegradable.

(benzyloxy)methanol: readily biodegradable; degradability: 100 % (18 days, OECD 301 E)

12.3 Bioaccumulative potential No further relevant information available.**12.4 Mobility in soil** Sodium cacodylate trihydrate: low mobility.**12.5 Results of PBT and vPvB assessment** Not applicable.**12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.**12.7 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Do not empty dispose waste or remains into sink or toilet, hand over to hazardous waste disposers.

European waste catalogue 02 01 08: agrochemical waste containing dangerous substances**Uncleaned packaging****Recommendation:**

Disposal must be made according to official regulations.

Do not re-use container for any purpose.

Not completely emptied packaging is to be disposed of in the same manner as the product.

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Trade name: IOTOX ANTI FOURMIS

SECTION 14: Transport information

14.1 UN number or ID number

ADR void

14.2 UN proper shipping name

ADR void

14.3 Transport hazard class(es)

ADR

Class void

14.4 Packing group

ADR void

14.5 Environmental hazards:

not applicable

14.6 Special precautions for user

not required

14.7 Maritime transport in bulk according to IMO

instruments not applicable

UN "Model Regulation": void

SECTION 15: Regulatory information

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

Seveso category Not applicable.

Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals:

Sodium cacodylate (CAS: 124-65-2), Annex I Part 1

Other regulations, limitations and prohibitive regulations

This formulation is beyond the scope of Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.

This formulation is beyond the scope of Regulation (EC) 2019/1021 on persistent organic pollutants.

This formulation is not subject to special provisions for the protection of human health or the environment at Community level.

National obligations:

Swiss regulations:

822.115, Youth Employment Protection Ordinance - ArGV 5 and 822.115.2, EAER Ordinance on Hazardous Work for Young People are not applicable.

ArGV 1 and 822.111.52, EAER Ordinance on dangerous and arduous work during pregnancy and maternity are not applicable.

Additional information: Use biocides safely. Always read the label and product information before use.

Classification according to VbF: No data available.

Water hazard class:

Water hazard class (German Regulation) 1 (self-assessment): slightly hazardous for water.

Class B (Swiss Regulation, self-assessment)

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H302 Harmful if swallowed.
 H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H335 May cause respiratory irritation.
 H412 Harmful to aquatic life with long lasting effects.

Further information:

The information provided in this safety data sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Due to the non-harmonised classification available and the ongoing discussions under the (EU) No 528/2012 framework, Kwizda Agro GmbH decided to self-classify the product as H412 to provide extended protection.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008: Calculation method and self-classification of (benzyloxy)methanol substance releasing potentially formaldehyde when contained in a mixture.

(Benzyloxy)methanol substance is considered in this case with specific concentration limits for triggering a skin sensitisation classification of the mixture and thus for eliciting (benzyloxy)methanol in a mixture with EUH208 statement 'Contains (benzyloxy)methanol. May produce an allergic reaction'.

Date of previous version: 07.07.2023

Abbreviations and acronyms:

CLP: REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 EINECS: European Inventory of Existing Commercial Chemical Substances
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 PT18: Product type 18 (Insecticides, acaricides and products to control other arthropods)
 OECD: Organisation for Economic Co-operation and Development
 EPA: U.S. Environmental Protection Agency
 EC50: maximal effective concentration, 50%
 ErC50: median effective concentration for growth rate (algae)
 LC50: lethal concentration, 50%
 LD50: lethal dose, 50%
 log Pow, Kow: partition coefficient (n-octanol/water)
 PBT: persistent, bioaccumulative and toxic properties
 vPvB: very persistent and very bioaccumulative properties
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
 VbF: Ordinance on the storage of combustible liquids, Austria
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Data compared to the previous version altered: Section 15