

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.11.2022

Version 1.0

Revision: 14.11.2022

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

1.1 Product identifier

Trade name: IOTOX

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

Application of the substance / mixture

Insecticide (biocide PT18)

Other liquids (AL), ready to use

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

IPC - 10 Quai Malbert, 29200, BREST, FRANCE. Tel. : +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

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

P102 Keep out of reach of children.

P273 Avoid release to the environment.

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

2.3 Other hazards

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 liquid based on the active substance acetamiprid [2 g/kg; CAS 135410-20-7; PT18]

Dangerous components:

CAS: 135410-20-7	acetamiprid	0.2%
Index number: 608-032-00-2	Acute Tox. 3, H301; Repr. 2, H361d; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10) ATE: LD50 oral: 140 mg/kg	

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CAS: 96-48-0 EINECS: 202-509-5 Reg.No.: 01-2119471839-21	gamma-butyrolactone Eye Dam. 1, H318; Acute Tox. 4, H302; STOT SE 3, H336	< 1%
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Additional information: 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 the label where possible).

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

After skin contact:

Remove contaminated clothes. Rinse skin thoroughly with water and soap. In case of irritation seek medical treatment.

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.

If necessary wear self-contained respiratory equipment and dependent on dimensions of fire wear fully protective suit.

Additional information

Contain runoff to prevent entry into water or drainage systems.

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

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.

Keep unprotected persons away.

6.2 Environmental precautions:

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

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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 affected area with plenty of water. Place into lockable labelled container for disposal according to the 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 further relevant information available.

7.2 Conditions for safe storage, including any incompatibilities**Requirements to be met by storerooms and receptacles:**

Store only in tightly closed original receptacles.

Protect against direct sun exposure and frost.

Information about storage in one common storage facility:

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

Further information about storage conditions:

Keep out of the reach of children and domestic animals.

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: 96-48-0 gamma-butyrolactone**

MAK (Germany)	vgl. Abschn. IIb
HTP (Finland)	Short-term value: 70 mg/m ³ , 250 ppm; Long-term value: 14 mg/m ³ , 50 ppm; iho

Regulatory information

HTP (Finland): 654/2020

MAK (Germany): MAK- und BAT-Liste

8.2 Exposure controls**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.

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Wash hands before break and at the end of work.

Respiratory protection: Not required if room is well-ventilated.

Hand protection

For prolonged or repeated contact protective gloves are recommended.

Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed.

Material of gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection Not required if handled properly.

Body protection Protective clothing recommended.

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:	Fluid
Colour:	Clear to opalescent
Odour:	Aromatic
Odour threshold:	Not determined
Boiling point or initial boiling point and boiling range:	No data available
Flammability:	Not relevant.
Lower and upper explosion limit:	No data available.
Flash point:	> 100 °C
Ignition temperature:	No data available.
Decomposition temperature:	No data available.
pH:	3.5 - 6
Viscosity	
dynamic:	≈ 1.16 mPas (20 ± 0,2 °C)
dynamic:	≈ 1.09 mPas (40 ± 0,2 °C)
Solubility	
water:	Soluble.
Partition coefficient, n-octanol/water:	No data available.
Vapour pressure:	No data available.
Relative density:	0.98 - 1.02
Relative gas density	No data available.

9.2 Other information

Explosive properties:	No data available
Oxidising properties:	No data available.

Information with regard to physical hazard classes

Explosives	void
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Flammable gases	not relevant
Aerosols	not relevant
Oxidising gases	not relevant
Gases under pressure	not relevant
Flammable liquids	void
Flammable solids	not relevant
Self-reactive substances and mixtures	void
Pyrophoric liquids	void
Pyrophoric solids	not relevant
Self-heating substances and mixtures	void
Substances and mixtures, which emit flammable gases in contact with water	void
Oxidising liquids	void
Oxidising solids	not relevant
Organic peroxides	not relevant
Corrosive to metals	void
Desensitised explosives	void

SECTION 10: Stability and reactivity

10.1 Reactivity Stable under usual conditions.

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 None under normal conditions of storage and use.

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: 135410-20-7 acetamiprid

oral	LD50	140 mg/kg (ATE)
dermal	LD50	> 2,000 mg/kg (rat) (OECD 402)
inhalative	LC50/4h	> 1.15 mg/l (rat) (OECD 403)

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Acetamiprid:

Ames test: negative; Chromosomal aberration test: positive (D20=10.6 mg/ml)

Micronucleus test (mouse): negative; Uds test: negative

Carcinogenicity Acetamiprid, rat/mouse: negative

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

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Trade name: IOTOX**Developmental toxicity:** Acetamiprid, rat/rabbit: negative**Teratogenicity:** Acetamiprid, rat/mouse: negative**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.**Subacute to chronic toxicity:**

Acetamiprid:

NOAEL/2 years: 7.1 mg/kg bw/day (rat, male); 8.8 mg/kg bw/day (rat, female)

NOAEL/1,5 years: 20.3 mg/kg bw/day (mouse, male); 25.2 mg/kg bw/day (mouse, female)

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: 135410-20-7 acetamipridLC50/96h > 100 mg/l (rainbow trout, *Oncorhynchus mykiss*) (OECD 203)EC50/48h 0.024 mg/l (harlequin fly, *Chironomus riparius*)
49.8 mg/l (water flea, *Daphnia magna*) (OECD 202)ErC50/72h > 98.3 mg/l (alga, *Desmodesmus subspicatus*) (OECD 201)NOEC/28d 5 µg/l (harlequin fly, *Chironomus riparius*)**12.2 Persistence and degradability** Acetamiprid: not readily biodegradable**12.3 Bioaccumulative potential** Acetamiprid: not bioaccumulative**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment**

According to the Competent Authority Report (CAR, August 2018, Regulations (EU) No. 528/2012 and No. 2018/1129), acetamiprid fulfils the vP and T criteria.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

The product does not contain any substances listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

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.

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Do not re-use container for any purpose.
Not completely emptied packaging is to be disposed of in the same manner as the product.

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.

National regulations: -

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)

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 beyond the scope of Regulation (EC) No 649/2012 concerning the export and import of hazardous chemicals.

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

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

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

H301 Toxic if swallowed.

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H302 Harmful if swallowed.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Further information:

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008: Calculation method

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
AGW: occupational exposure limit
ATE: Acute Toxicity Estimates
LC50: lethal concentration, 50%
LD50: lethal dose, 50%
EC50: maximal effective concentration, 50%
ErC50: median effective concentration for growth rate (algae)
NOEC: no observed effect concentration
NOAEL: No Observed Adverse Effect Level
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. 3: Acute toxicity – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Data compared to the previous version altered: -
