

Material Safety Data Sheet**1. PRODUCT AND COMPANY****1.1 Product identifier****Product:** IOTOX ANTI MOUSTIQUES**1.2 Identified uses****Use :** Mosquito control on water bodies**1.3 Supplier's details**

Distributor :

IPC SAS
10 quai Malbert - CS 71821 -
29218 BREST CEDX 2
tél +33 2 98 43 45 44
ipc@groupe-ipc.com**1.4 Emergency call**

Anti-poison center from Paris : + 00 33 (0)1 40 05 48 48

2. HAZARDS IDENTIFICATION**2.1 Classification of the mixture****Classification according to Regulation (EC) No 1272/2008**

Non-Hazardous Substance.

2.2 Label elements

Dangerous components : Not applicable

Identification symbol and letter : Not applicable

Classification according to Regulation (EC) No 1272/2008

Not applicable

Precautionary statement:

Not applicable

Additional informations: Avoid contact with eyes**2.3 Other hazards****Results of PBT and vPvB assessment :** No data available**3. COMPOSITION / INFORMATION ON COMPONENTS****Chemical characterization:** substance

Description: liquid film against mosquitoes**Hazardous ingredients**

Name	N°CAS/EC	Concentration	Classification 67/548/EEC	CLP Classification 1272/2008
Components				
<i>Polydimethylsiloxane</i>	63148-62-9	>75%		
<i>White Mineral Oil</i>	8042-47-5	< 10 %		

For the full text of the H-Statements mentioned in this Section, see Section 16.

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES**4.1 Description of first aid measures****After skin contact**

Rinse skin with water.

After eye contact

Rinse immediately with plenty of water, keep eyelids open. Remove contact lenses. Contact ophthalmologist if needed.

After inhalation

Not applicable

After swallowing

Rinse out mouth with plenty of water. Seek medical advice. Do not induce vomiting without medical advice. If case of swallowing by a pet, seek a veterinary quickly.

4.2 Most important symptoms and effects, both acute and delayed

No data

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment

5. FIREFIGHTING MEASURES**5.1 Extinguishing media**

CO₂, dry chemical powder, foam or water spray

5.2 Special hazards arising from the substance or mixture

No particular danger

5.3 Advice for firefighters

Wear self-contained respiratory equipment and full protective suit

Other recommendations

In the case of fire wear self-contained respiratory equipment and full protective suit. Contain runoff to prevent entry into water or drainage systems.

6. ACCIDENTAL RELEASE MEASURE

6.1 Personal precautions, protective equipment and emergency procedure :

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

6.2 Environmental precautions

Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protective equipment recommendations described in this MSDS. If diked material can be pumped, store recovered material in appropriate container. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which laws and regulations are applicable.

6.3 Methods and material for containment and cleaning up

Clean up materials from spill with suitable absorbent. Shovel the solid product into a container suitable for its recovery or disposal. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Place into lockable, labelled salvage container for disposal according to the regulations.

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.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Use with adequate ventilation. Avoid eye contact. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

7.2 Conditions for safe storage, including any incompatibilities

Use reasonable care and store away from oxidizing materials.

7.3 Specific end use(s)

Use only according to instructions

8. EXPOSURE CONTROL / PERSONNAL PROTECTION

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Based on actual legally binding lists

8.2 Exposure control

General protective and hygienic measures:

Do not eat, drink or smoke at workplace and keep it tidy.

The usual precautionary measures are to be adhered to when handling chemicals

Respiratory protection: No protection required in a normal use case.

Protection of hands: No protection required in a normal use case.

Eye protection:



Safety goggles are recommended.

Body protection: No protection required in a normal use case.

Limitation and supervision of exposure into the environment

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

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	liquid
Color	almost clear
Odor	slight odor
Flash point:	>101.1°C (closed cup)
Boiling point:	>65°C
Relative density:	0.95
Solubility:	insoluble in water
Viscosity	300 cST (300 mm ² /s) at 40°C

9.2 Other informations

Not applicable

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under usual conditions

10.2 Chemical stability

Stable under usual conditions for at least 2 years

10.3 Possibility of hazardous reaction

No hazardous reactions/polymerization known if used according to specifications

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

Oxidizing materials

10.6 Hazardous decomposition products

None under normal conditions of storage and use

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

LD/LC50 values relevant for classification:

Oral LD50 no data available
Dermal LD50 no data available
Inhalation LC50/4h no data available

Primary irritant effect:

on the skin: no data available
on the eye: no data available
Sensitization: no data available

Additional toxicological information:

No further information available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicological effects:

Fish toxicity: no data available
Crustacean toxicity: no data available
Algae toxicity: no data available

Air : This product is a high molecular weight liquid polymer which has a very low vapour pressure (<1mm Hg). As a result it is unlikely to become an atmospheric contaminant unless generated as an aerosol

Water : This product has a very low water solubility (<100 ppb). As it has a specific gravity of < 1, if discharged to water, it will initially form a surface film. As the product is non volatile and has a high binding affinity for particulate matter, it will adsorb to particulates and sediment out.

Soil : If discharged to surface water, this product will bind to sediment. If discharged in effluent to a waste water treatment plant, the product is removed from the aqueous phase by binding to sewage sludge. If the sewage sludge is subsequently spread on soil, the silicone product is expected to degrade.

12.2 persistence and degradability

This product, polydimethylsiloxane, degrades in soil abiotically to form smaller molecules. These in turn are either biodegraded in soil or volatilized into the air where they are broken down in the presence of sunlight. Under appropriate conditions, the ultimate degradation products are inorganic silica, carbon dioxide and water vapour. Due to the very low water solubility of this product, standard OECD protocols for ready and inherent biodegradability are not suitable for measuring the biodegradability of this product. The product is removed > 80% during the sewage treatment process.

12.3 Bioaccumulative potential

This product is a liquid and is a high molecular weight polymer. Due to its physical size it is unable to pass through, or be absorbed by biological membranes. This has been confirmed by testing or analogy with similar products.

12.4 Mobility in soil

No further data available

12.5 Results of PBT and vPvB assessment

No further data available

12.6 Other adverse effects

No further data available

Other informations:

Fate and Effects in Waste Water Treatment Plants : This product or similar products has been shown to be non-toxic to sewage sludge bacteria.

Ecotoxicity Classification Criteria

Hazard Parameters (LC50 or EC50)	High	Medium	Low
Acute Aquatic Toxicity (mg/L)	<=1	>1 and <-100	>100
Acute Terrestrial Toxicity	<=100	>100 and <=2000	>2000

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34, 1993

This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not empty into sink or toilet, hand over to hazardous waste disposers. Do not allow product/contaminated cleaning water to reach ground water, water course or sewage system. Unused product and its packaging must be eliminated according to local regulations under their owner responsibility.

Disposal of soiled packaging

Do not reuse empty contaminated packaging for other purposes; dispose according to official regulations.

14. Transport information

14.1 UN number

Not applicable

14.2 Un proper shipping name

Not applicable

14.3 Transport hazard class

Not applicable

14.4 packing group

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precaution for user

Not applicable

14.7 transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. Regulatory information

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

This formulation is beyond the scope of Regulation (EC) No 1005/2009 of European Parliament and the Council of 29 June 2000 on substances that deplete the ozone layer.

This formulation is beyond the scope of Regulation (EC) No 850/2004 of the European Parliament and the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

This formulation is beyond the scope of Regulation (EC) No 649/2012 of the European Parliament and the Council of 17 June 2008 concerning the export and import of dangerous 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

No chemical safety assessment available

16. OTHER INFORMATIONS

R-phrases and H-phrases paragraph 3

Not applicable

Abbreviations and acronyms:

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

CLP: REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

Updates:

This document differs from the previous version in the following areas:

Null

Also refer to technical instructions for use.

The data contained in this material safety data sheet are based on the current level of scientific and technical knowledge in this domain and at the date of the last update and are given bona fide.

These data cannot be used to confirm the product properties and do not constitute a legal or a contractual covenant. These data shall not be used as an order basis.

This sheet completes the technical data but do not replace them.

The user bears full responsibility for knowing and applying the legal texts, the handling procedures and the safety measures linked to the product use.

The entirety of the regulatory and legal prescriptions mentioned can only be used as a support to help the user fulfilling his duty in the use of the aforementioned product.

It is advised to consult the national or international measures that can apply because the measures contained in this sheet should not be considered to be exhaustive.

This document does not exempt the user to make sure that others obligations devolve upon himself in particular regarding to product's possession, use or specification and for which he is fully responsible.