

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)



SERPA MOSQUITO TABLET

Version 2 Date of compilation: October 2021

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

1.1 Product identifier.

Product Name: SERPA MOSQUITO TABLET
Authorisation number: ES/MR(NA)-2021-18-00751

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

PT18 – Insecticides, acaricides and products to control other arthropods
Ready to use, effervescent tablets for water treatment to control larvae of mosquitoes. For professional and consumer use.

Uses advised against:

Do not mix with other chemical products.
Not connect to the sewage system or surface water.

1.3 Details of the supplier of the safety data sheet.

Company: **Mylva, S.A.**
Address: Via Augusta, 48, 6^o 2^a
City: 08006 - Barcelona
Province: Barcelona
Telephone: 934153226
Fax: 934156344
E-mail: mylva@mylva.eu
Web: <https://mylva.es/>

1.4 Emergency telephone number: 934153226 (Only available during office hours; Monday-Friday; 08:00-16:00)
(+34) 91 562 04 20 Toxicological information medical service

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture.

In accordance with Regulation (EU) No 1272/2008:
Aquatic Chronic Category 3 : Harmful to aquatic life with long lasting effects.

2.2 Label elements.

Labelling in accordance with Regulation (EU) No 1272/2008:

Pictograms: None

Signal Word: None

H statements:

H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains Octadecanoic acid, 12-hydroxy-, polymer with .alpha.-hydro-.omega.- hydroxypoly(oxy-1,2-ethanediyl). May produce an allergic reaction.

P statements:

P102 Keep out of reach of children.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P501 Dispose of contents/container to in accordance with local/regional/national/international regulations

Active substances:

S-methoprene, 0.5%;

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2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not Applicable.

3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	specific concentration limit
CAS No: 65733-16-6 EC No: 613-834-0	S-methoprene	0.5%	Aquatic Acute, category 1. Aquatic Chronic, category 1 M-Factors: M(acute)=1 M(chronic)=1 H400, H410	-
CAS No: 5949-29-1	Citric acid monohydrate	6%	Eye irrit. 2 H319	-
CAS No: 70142-34-6 EC No: 680-598-3	Polyethylene-glycol-15-hydroxy- stearat / Octadecanoic acid, 12-hydroxy-, polymer with .alpha.-hydro-.omega.- hydroxypoly(oxy-1,2-ethanediyl)	0.232%	Skin Sens. 1 H317	-

(*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

[1] Substance with a Community workplace exposure limit (see section 8.1).

SECTION 4: FIRST AID MEASURES.

4.1 Description of first aid measures.

Contact your local poison centre and seek medical advice if signs and symptoms appear, persist or get worse, if necessary, take the person to a hospital and show the label or packaging whenever possible. UNDER ANY CIRCUMSTANCES, DO NOT LEAVE THE INTOXICATED PERSON ALONE.

Inhalation.

Unlikely exposure route.

Eye contact.

Rinse eyes with plenty of water for several minutes. Remove any contact lenses if present and easy to do. Continue rinsing. Get medical attention if irritation or vision impairment occurs.

Skin contact.

Wash contaminated skin with soap and water. The contaminated clothes can be washed out with a normal washing program.

Ingestion.

Do not give anything orally to the unconscious person. Wash out mouth with water.

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

May produce allergic reaction.

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

Personal protective equipment for first aid responders is not necessary. No special treatment needed; treat symptomatically. Symptomatic treatment.

SECTION 5: FIREFIGHTING MEASURES.

5.1 Extinguishing media.

Suitable extinguishing media:

Water spray, foam, powder, CO₂.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish.

5.2 Special hazards arising from the substance or mixture.

Special risks.

Toxic fumes (containing carbon monoxide and carbon dioxide) may be formed during combustion.

5.3 Advice for firefighters.

Special fire-fighting measures are not necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

Allow only well-trained experts wearing suitable protective clothing to abide in the field of accident.

No special precautions required. Personal precautions: Wear rubber gloves and protective clothing. Do not smoke, eat or drink during application.

6.2 Environmental precautions.

Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.

6.3 Methods and material for containment and cleaning up.

Collect up the spilled mixture and place in a lockup container. Cleaning: Sweep up or shovel up the mixture.

Follow the local requirements.

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

Observe conventional hygiene precautions. Do not eat, drink, or smoke when using this product. Wash hands thoroughly after the use of this product.

The product should be kept in its original closed container until using. Form the workplace in the way to prevent the product getting into the sewage system.

7.2 Conditions for safe storage, including any incompatibilities.

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Always store unused product in a dry, cool place (at a temperature not higher than 45°C), in well ventilated area, out of direct sunlight. Keep out of reach of children and domestic animals. DO NOT store with food, feedstuffs, seed and fertilisers. Shelf life: 2 years.

Incompatible materials: see section 10.5

Packaging material: no special prescriptions.

7.3 Specific end use(s).

Fields of use outdoor. The product is used to treat smaller or larger water holding features, which are not used as drinking water or for keeping (ornamental) fish, and which may be suitable, temporarily or permanently, for the breeding of mosquito larvae:

- Garden pond
- Fountain
- Unused pool
- Gully
- Any other natural or man-made depression suitable to catch and hold water

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

The components of the mixture are not regulated with exposure limit value.

The product does NOT contain substances with Biological Limit Values.

The product does NOT contain substances with DNEL/DMEL concentration levels.

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

8.2 Exposure controls.

Measures of a technical nature:

In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

Concentration:	100 %				
Uses:	Insecticides				
Hand protection:					
PPE:	Protective gloves against chemicals.				
Characteristics:	«CE» marking, category III.				
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420				
Maintenance:	Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives.				
Observations:	Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.				
Material:	PVC (polyvinyl chloride)	Breakthrough time (min.):	> 480	Material thickness (mm):	0,35

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Appearance: Round solid tablets

Colour: White

Odour: N.A./N.A.

Odour threshold:N.A./N.A.

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pH: 6.6 in 1% dilution
Melting point: N.A./N.A.
Boiling Point: N.A./N.A.
Flash point: N.A./N.A.
Evaporation rate: N.A./N.A.
Inflammability (solid, gas): N.A./N.A.
Lower Explosive Limit: N.A./N.A.
Upper Explosive Limit: N.A./N.A.
Vapour pressure: N.A./N.A.
Vapour density: N.A./N.A.
Relative density: Pour density 0.62 g/L Tap density 0.66 g/L
Solubility: N.A./N.A.
Liposolubility: N.A./N.A.
Hydrosolubility: Effervescent in water
Partition coefficient (n-octanol/water): N.A./N.A.
Auto-ignition temperature: N.A./N.A.
Decomposition temperature: N.A./N.A.
Viscosity: N.A./N.A.
Explosive properties: Non explosive
Oxidizing properties: Non oxidizing
N.A./N.A.= Not Available/Not Applicable due to the nature of the product

9.2 Other information.

Dropping point: N.A./N.A.
Blink: N.A./N.A.
Kinematic viscosity: N.A./N.A.
N.A./N.A.= Not Available/Not Applicable due to the nature of the product

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present hazards by their reactivity.

10.2 Chemical stability.

The product is stable under normal conditions of storage and use.

10.3 Possibility of hazardous reactions.

The product is stable under normal conditions of storage and use.

10.4 Conditions to avoid.

High temperature, UV light.

10.5 Incompatible materials.

The product is stable under normal conditions of storage and use.

10.6 Hazardous decomposition products.

None known.

SECTION 11: TOXICOLOGICAL INFORMATION.

11.1 Information on toxicological effects.

There are no tested data available on the product.

a) acute toxicity;
Based on available data, the classification criteria are not met.

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Acute toxicity LD50 (oral, rat): >5050 mg/kg bw
LD50 (dermal, rabbit): >5050 mg/kg bw
LC50 (inhalation, rat): >2.38 mg/l/4h

b) skin corrosion/irritation;
Based on available data, the classification criteria are not met.

c) serious eye damage/irritation;
Based on available data, the classification criteria are not met.

d) respiratory or skin sensitisation;
Based on available data, the classification criteria are not met.

e) germ cell mutagenicity;
Based on available data, the classification criteria are not met.

f) carcinogenicity;
Based on available data, the classification criteria are not met.

g) reproductive toxicity;
Based on available data, the classification criteria are not met.

h) STOT-single exposure;
Based on available data, the classification criteria are not met.

i) STOT-repeated exposure;
Based on available data, the classification criteria are not met.

j) aspiration hazard;
Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors.

Other data

Not described.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

Harmful to aquatic life with long lasting effects.

S-Methoprene (CAS: 65733-16-6)

LC50 (Danio rerio – zebra fish): 4.26 mg/l/96h

NOEC (Danio rerio – zebra fish): 1.25 mg/l

EC50 (Daphnia magna – big water flea): 0.22 mg/l/48h

NOEC (Daphnia magna – big water flea): 0.019 mg/l/21d

ErC50 (algae): 2.264 mg/l/0 – 72h

Acute: M-factor=1

Chronic: M-factor=1

12.2 Persistence and degradability.

No information is available regarding the biodegradability of the substances present.

No information is available on the degradability of the substances present.

No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

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Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
S-methoprene CAS No: 65733-16-6 EC No: 613-834-0	6.34	-	-	-

12.4 Mobility in soil.

No information is available about the mobility in soil.

12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

S-Methoprene (CAS: 65733-16-6)

S-methoprene is not a PBT candidate and does not meet any of the individual screening criteria.

12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

SECTION 13: DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Disposal according to the local regulations. Do not discharge unused product on the ground, into water courses, into pipes (sink, toilets...) nor down the drains. Prevent contamination of environment. Dispose of unused product, its packaging and all other waste, in accordance with local regulations. Recommendation: The residue of product and its container in small quantity can be throw into the domestic waste container, in large quantity dispose it as dangerous waste.

List of Waste Code:

No waste disposal key according to the List of Waste Code (LoW code) can be determined for this product, as only the purpose of application defined by the user enables an allocation. The LoW code number has to be determined after a discussion with a waste disposal specialist.

SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

14.1 UN number.

Not classified

14.2 UN proper shipping name.

ADR description: Not classified

IMDG description: Not classified

ICAO/IATA description: Not classified

14.3 Transport hazard class(es).

Class:

Not classified

14.4 Packing group.

Not classified

14.5 Environmental hazards.

Dangerous for the environment: Not classified

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Marine pollutant: Not classified

Supplementary information

No supplementary information available

14.6 Special precautions for user.

Not subject to the conventions of carriage of dangerous goods.

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

The product is not affected by bulk transportation.

SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): N/A

Information related to Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products:

Product Type	Group
PT18 – Insecticides, acaricides and products to control other arthropods	Pest control

Active substances	Concentration %
S-methoprene CAS No: 65733-16-6 EC No: 613-84-0	0.5%

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards	On basis of test data
Health hazards	Calculation method
Environmental hazards	Calculation method

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:

AwSV:	Facility Regulations for handling substances that are hazardous for the water.
BCF:	Bioconcentration factor.
CEN:	European Committee for Standardization.

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DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.
DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.
EC50: Half maximal effective concentration.
PPE: Personal protection equipment.
LC50: Lethal concentration, 50%.
LD50: Lethal dose, 50%.
Log Pow: Logarithm of the partition octanol-water.
NOEC: No observed effect concentration.
WGK: Water hazard classes.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2015/830.

Regulation (EC) No 1907/2006.

Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.