



LABORATORIOS
MICROSULES URUGUAY S.A.
Ruta 101, km 28, Camino al Paso Escobar s/n,
Canelones - URUGUAY
Tel: (00598-2) 2886761 Fax: (00598-2) 2886760

MATERIAL SAFETY DATA SHEET

ECTOSULES 15%

Code: FS US 04

Versión: 03

Date: 18/03/2020

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1. PRODUCT IDENTIFICATION

Recommended use: Against ticks and insecticide
Pharmaceutical Form: Solution for baths
Active Principles: Cypermethrin

2. HAZARD IDENTIFICATIONS

Hazard classifications of chemical products: Toxicological category Class II - Moderately Dangerous (according to the 2004 WHO Toxicological Categorization, which must be adopted according to Decree 130/00 for household pesticides in Mercosur).

a) Effects of the product on human health

Acute overexposure effects: Harmful for skin and ocular contact, ingestion and inhalation.

Chronic over exposure effects: Not data available about teratogenic, carcinogenic nor mutagenic effects.

b) Environmental hazards: Toxic for aquatic life.

3. COMPOSITION/COMPONENTS INFORMATION

Active Principles:

Name and chemical form:
- Cypermethrin (\pm)- α -Cyano-3-phenoxybenzyl-(\pm)-cis,trans3(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylate

Chemical formula:
- Cypermethrin $C_{22}H_{19}Cl_2NO_3$

Concentration:
- Cypermethrin 15.0 %

CAS number:
- Cypermethrin 52315-07-8

4. FIRST AID MEASURES

In case of accidental contact with product

Inhaling: Remove the victim from the danger area and take the person to fresh air. Get medical attention.

Skin contact: Remove contaminated clothes. Wash the affected area with abundant water.

Eye contact: Remove contact lenses. Rinse with abundant water for at least 15 minutes.

Ingestion: Get immediate medical attention. Do not induce vomiting or give anything by mouth to a person who is unconscious.

If feeling unwell: Get immediate medical attention and show the label or safety data sheet of the product. Keep the patient under medical supervision.

5. FIRE COMBAT MEASURES

Extinguishment agents: Carbon dioxide, powder, foam or pulverized water. Do not use water jet.

Specific hazards: Possible emission of toxic gasses in case of fire.

Special procedures to combat fire: Contain the dispersion of the extinguishing medium. Do not



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contaminate water courses or sources or sewers.

Personal Gear protection

Use protective clothing and self-contained breathing apparatus.

6. SPILL CONTROL

Emergency measures

Signal the affected area and prevent access of outsiders to the site of the spill.

Personal protection gear

PVC apron, resistant gloves, safety glasses and mask.

Environmental precautions

Stop spills and prevent the arrival of the product to courses, or sources of water, soil and sewers.

Cleaning measures

Contain the product with earth, sand or sawdust, keeping it in a sealed and identified container.

Trash elimination method

See item 13.

7. HANDLING AND STORAGE

Precaution

Keep the product in its original container and out of the reach of children or pets. Store away from food and beverages. Do not Avoid exposure by inhalation. Avoid contact with eyes, skin or clothing. Use appropriate protective equipment. Do not eat, drink or smoke during use.

Specific measures for safety handle

Handling only by trained adults.

Storage conditions

Store in original container in cool, dry and well-ventilated area. Store protected from cold, humidity, direct sunlight and fire.

8. INDIVIDUAL PROTECTION AND EXPOSURE CONTROL

Measures to reduce exposure

Ensure adequate general ventilation in the work space. Do not eat, drink or smoke during handling or application, or in storage areas

Personal protection gear

Breathing protection

Use protective mask.

Hand protection:

Use resistant gloves.

Eye protection:

If considered necessary, use safety glasses.

Another protection equipment

Adequate protection clothes.

Specifics hygienic measures

Wash hands and body parts exposed to the product, always after handling. Wash before eating, drinking, smoking or before going to the restroom.

9. Chemical and physical properties

Physical status

Liquid

Appearance

Limpid solution, free of particles, amber to light brown color.

Density:

0.92 – 0.96 g/mL

Explosive proprieties:

Not explosive

10. Stability

Stable in normal conditions of storage and use. Ask the manufacturer for specific cases.

11. Toxicological Information



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Information per component

Cypermethrin

Acute Toxicity:

DL50 Oral - Rat - 57,5 mg/kg
CL50 Inhalation - Rat - 4 h - 2,5 mg/l
DL50 Cutaneous - Rat - > 1.600 mg/kg

12. Ecological information

Information per component

Cypermethrin

Toxicity for fish:

CL50 - Salmon salar: 0,002 mg/l 96,0 h

Toxicity for Daphnia and other aquatic invertebrates

CE50 - Daphnia magna: < 0,001 mg/l - 48 h

Bioaccumulation

Salmon salar – 96 h: 1.4 µg/l

Other adverse effects

Very toxic for aquatic life, with harmful long lasting effects

13. Considerations on final disposal

Product disposal method:

Dispose in accordance with current local regulations. Do not contaminate water sources or courses with product or leftovers.

Disposal of packaging and contaminated containers:

Container must be completely empty for its elimination. Dispose in accordance with current regulations.

14. Transport information

According to IATA / IMDG / DOT:

- Own name for transport: None
- Not dangerous for transport: this substance is considered non-hazardous for transport

15. Regulations

Regulatory information:

Hazardous Goods Regulations by the IATA (International Aerial Transport Association). Classification of hazardous products for air transport.

International Maritime Dangerous Goods Code

United States Transport Department Regulations (DOT)

16. Other information

This information fulfills the security requirements for this product exclusively and is based on our current knowledge. This information does not represent a guarantee for the product in terms of legal regulatory guarantees. All responsibility is disclaimed for misuse of this information and/or the storage, handling or disposal of the product.

Aprobado por: _____

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