

SAFETY DATA SHEET

According to Regulation (EC) nº 1907/2006 (REACH)

Date / Updated 10 June 2019. Rev 07

1. Description of the prepared substance and company

1.1. Identification of the preparation:

DIPTRON CYPERMETHRIN

Use of the preparation:

Commercial use: Environmental and for the Food Industry: Emulsifiable liquid insecticide concentrate for crawlers. Specialist staff only.

1.2. Company identity:

Química de Munguia, S.A.

Derio Bidea, 51, 48100 Munguia (Vizcaya) Spain Tel: (+34) 94 6741085

e-mail: info@quimunsa.com

1.3. Emergency telephone nº:

National Poisons Information Service (NPIS): +44 01 809 2166

2. Hazards identification in the preparation:

2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) nº 1272/2008

STOT SE 3, H335

STOT RE 4, H373

Aquatic Acute 1, H400

Aquatic Chronic 1, H410

2.2. Labelling:

Labelling according Regulation (EC) No 1272/2008

Pictograms:



Signal Word: WARNING

Hazard statements according Regulation (CE) nº 1272/2008:

H335 May cause respiratory irritation.

H373 May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements according Regulation (CE) nº 1272/2008:

P102 Keep out of reach of children.

P260 Do not breathe dust/fume/ gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P314 Get medical advice/ attention if you feel unwell.

P391 Collect spillage.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container in accordance with regulations on hazardous waste.

2.3. Other hazards:

3. **Composition/information on ingredients**

Ingredients	CAS Nº EC Nº	% w/w	Classification according to regulation (EU) No. 1272/2008 [UE-GHS/CLP]
Cypermethrin 40/60	52315-07-8 257-842-9	15%	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Oral), H302 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Piperonyl butoxide	51-03-6 200-076-7 REACH nº: 01-2119918969-19-0000	15%	Aquatic. Acute 1. H400 Aquatic Chronic 1. H410

For the complete H and EUH statements, see Chapter 16

4. **First aid measures**

4.1. Description of first aid measures:

Remove the person from the contaminated area.

Remove soiled or splashed clothing immediately.

Wash the eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do.

Rinse the skin with plenty of water and soap, do not rub.

If swallowed and if the person is conscious, induce vomiting. Keep the

patient at rest. Conserve body temperature.

Check the breathing and give artificial respiration, if needed.

If the person is unconscious, lie him/her down on one side with the head lower than the rest of the body and the knees partially bent. Take the patient to a hospital, and take the label or container whenever possible.

UNDER NO CIRCUMSTANCES LEAVE THE PATIENT ALONE.

4.2. Most important symptoms and effects, both acute and delayed. Intoxication may cause: Dermatitis, eyes, nose and throat irritation.

Nausea, vomiting, vertigo, headaches and numbness around the mouth.

Hypersensitive reactions with bronchospasm.

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

Therapeutic guidance:

If swallowed, provide digestive tract decontamination, depending on the state of consciousness.

Administer an aqueous solution of active carbon and a saline sodium sulphate cathartic.

Treatment of symptoms.

IN CASE OF ACCIDENT, CONSULT THE National Poisons Information Service (NPIS): +44 01 809 2166

5. Fire-fighting measures.

5.1. Extinguishing media:

Suitable extinguishing media: Put the fire out with foam, powder, CO₂ or water mist.

Unsuitable extinguishing media: Do not use jets of water to extinguish fires, only to cool down areas and packages near the heat source.

5.2. Special hazards arising from the substance or mixture: Do not inhale vapours. Combustion gases from organic materials must always be deemed toxic if inhaled.

5.3. Advice for fire-fighters. Use masks with filters for organic products, autonomous equipment in enclosed premises.

6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Avoid contact with the skin, eyes and clothes. Do not inhale vapours. Do not take any action involving personal risk, or if not properly trained. Prevent staff from entering if they are unnecessary and have no suitable personal protection (see section 8).

6.2. Environmental precautions:

Prevent spilled material from spreading, coming into contact with the ground, the aquatic environment, drains and sewers. Inform the pertinent authorities if the product has caused environmental contamination (sewers, canals, earth or air).

6.3. Methods and materials for containment and cleaning up:

Channel large quantities and collect in containers; disposal must comply with current local regulations. Rinse small quantities with water. Dispose of the water used in compliance with current local regulations.

Cleaning/collection method:

For small quantities: Soak up with absorbent material (such as sand, sawdust, universal absorbent, diatomaceous earth).

For large quantities: Fence in/contain with dykes. Pump the product.

Dispose of the collected material in compliance with regulations. Collect the residue in suitable containers, labelled and sealed. Thoroughly clean utensils and contaminated ground with water and surface acting agents, in compliance with environmental protection regulations.

7. **Handling and storage.**

7.1. Precautions for safe handling:

Before using the product, read the label carefully.

Follow the instructions for use in order to prevent danger to people and the environment. Do not use on food or cooking utensils. It must not be used on surfaces where food is handled, prepared or to be consumed.

Do not use when people and/or animals are present.

Ventilate the premises well before entering.

Do not mix with other chemical products.

Avoid contact with treated surfaces.

Do not use in areas where children play, nurseries and primary schools.

Method of use: After dilution with water, mist (except in the food industry), brush or spray the product on skirting boards and floors.

A 12-hour safety period is recommended.

Method of use in the food industry:

Before using the product, read the label carefully. Follow the instructions for use in order to prevent danger to people and the environment. Do not use when people are present. In the food industry, only uses when food is not present and observe the recommended safety period of 12 hours before using the treated premises. Take all necessary measures to ensure that no residue remains of the product's active ingredients on food, machinery and/or utensils handled on the premises or installations previously treated with the product

Ventilate the premises well before entering.

Do not mix with other chemical products. Avoid contact with treated surfaces.

In the food industry, spray or brush on the product diluted with water on skirting boards and floors. It must not be used in the atmosphere or on surfaces where food is handled, prepared, served or consumed.

A 12-hour safety period is recommended.

7.2. Conditions for safe storage, including any incompatibilities:

Do not expose to sunlight or frost.

Keep away from sources of fire.

Keep the original container.

7.3. Specific end uses:

No data available.

8. **Exposure controls and personal protection.**

8.1. Control parameters:

Ensure adequate ventilation.

As far as possible, avoid inhaling vapours during use.

8.2. Personal protective equipment:

Respiratory protection:

Mask with filter for organic products. EN 136, 140 and 405 and filters EN 149 and 143

Hand protection:

Chemical-resistant protective Nitril gloves. EN 420 and EN 374

Eye protection:

Protective glasses with lateral protection (EN 166, 167, 168)

General protection and hygiene measures:

Wash hands after handling the product and before eating, drinking or smoking. Regularly wash clothes and protective equipment to remove contaminants. Dispose of contaminated clothes and footwear that cannot be cleaned.

9. **Physical and chemical properties.**

Physical state	Liquid
Colour:	Yellow
Odour:	Mild
Relative density:	1.0337 ± 0.0001g/ml.
Acidity/Alkalinity:	5.1-5.2 to 1% (p/p)
Surface tension:	38.2 mN/m at 20.3 °C
Freezing point:	<-25°C
Boiling point:	>74-180°C
Auto-ignition temperature:	206.5±4.1°C
Vapour pressure:	2 mm Hg.
Flash point (open cup):	82.5°C
Kinematic viscosity:	4.15 × 10 ⁻⁵ m ² /s (at 20°C) and 1.67 × 10 ⁻⁵ m ² /s (at 40°C)
Solubility in water:	Emulsion
Solubility in other solvents:	Can be mixed with several organic solvents.
Corrosiveness:	Copper and copper alloys
Compatibility:	With most pesticides, except alkaline ones.

10. Stability and reactivity.

10.1. Conditions to avoid:

The product is stable in a neutral or slightly acid medium. It hydrolyses rapidly with acids and strong bases at ambient temperature.

10.2. Incompatible materials:

Avoid contact with oxidising substances and strong alkalis.

10.3. Hazardous decomposition products:

Thermal decomposition causes various types of toxic products; therefore, with fire or combustion, avoid inhaling the fumes.

11. Toxicological information.

Product:

No data available.

At the prescribed dosage, there is no sign of mutagenesis, carcinogenesis or teratogenesis.

Substances:

Cypermethrin 40/60:

LD₅₀ dermal, rat > 2000 mg/kg

LD₅₀ oral, rat: 500 mg/kg

CL₅₀ inhal. rat (4 h) > 3,28 mg/l

Piperonyl butoxide:

LD₅₀ dermal, rabbit > 2000 mg/kg

LD₅₀ oral, mouse: 4570 mg/kg

CL₅₀ inhal. rat (4 h) > 5.9 mg/l

12. Eco-toxic information

12.1. Toxicity:

Product:

Acute toxicity: no data available.

Substances:

Piperonyl butoxide:

NOEC Chronic (*selenastrum capricomutum*): 0.824 mg/l

NOEC Chronic (*cyprinodon variegatus*): 0.053 mg/l

NOEC Chronic (*daphnia magna*): 0.030 mg/l

LC₅₀ (*cyprinodon variegatus*) 3.94mg/l/96h

EC₅₀ (*daphnia magna*) 0.51mg/l/48h

EC₅₀ (*selenastrum capricomutum*): 3.89 mg/l/72h

12.2. Persistence and degradability

The products degrades with microbial action in soils.

The length of persistence varies depending on the physical and chemical properties of the soil.

12.3. Bio-accumulative potential

So far, there is no indication that the product is bio-accumulative.

12.4. Toxicity to aquatic life

Toxic to fish

12.5. Toxicity to bees

Toxic to bees.

13. **Disposal considerations.**





13.1. Product

The product must be disposed of in accordance with current regulations and through authorised waste disposal managers. Residues must not be disposed of in the drainage system.

13.2. Containers

To be used by specialist staff: Empty containers must be disposed of according to their hazard characteristics and through authorised waste disposal managers, in accordance with the regulations in force.

14. **Transport information.**

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1 UN number	UN3082	UN3082	UN3082	UN3082
14.2. UN proper shipping name	Liquid substance potentially hazardous to the environment (contains cypermethrin)	Liquid substance potentially hazardous to the environment (contains cypermethrin)	Liquid substance potentially hazardous to the environment (contains cypermethrin)	Liquid substance potentially hazardous to the environment (contains cypermethrin)
14.3 Transport hazard class(es). Labelling	9 	9 	9 	9 
14.4 Packing group	III	III	III	III
14.5 Environmental Hazards	YES	YES	YES	YES

14.6 Special precautions for users.	Hazard identification number: 90	Hazard identification number: 90		
--	--	--	--	--

Sales format: Combination packaging. Exemption due to limited quantities:



15. Regulatory information.

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

- Information on classification and labelling shown in section 2:
The following regulations have been taken into account: Regulation (EC) n° 1272/2008 and later modifications.
- Information on packaging: No data available.
- Special provisions: No data available.
- Biocide labelling: The mixture is a product for biocide use, labelled in compliance with regulation (EC) n° 1272/2008 and its modifications.

15.2. Chemical safety assessment:

No report has been made on chemical safety.
Guidelines for handling the product can be found in sections 7 and 8 of the Safety Data Sheet.

16. Other information.

Data sources used to draft the sheet:

RD 3349/1983.
REGULATION (EU) No 528/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 22 May 2012 on the market and use of biocidal products
Regulation (EC) no 1907/2006 (REACH), 1272/2008 (CLP) in their respective current versions.
Transport regulations conforming with ADR, RID, IMDG, IATA i their respective current versions.

H statements specified in Chapter 3

H332 Harmful if inhaled.
H302 Harmful if swallowed.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.