



MATERIAL SAFETY DATA SHEET

According to Directive CE No 1907/2006 (REACH) Date / Updated 26th April 2011 Rev.: 01

1. Product and Company Information

1.1. Product identification

XULATE MICRO Registration number : 08-30-05168 and 08-30-05168 HA

1.2. Commercial use:

insecticide and disinfectant liquid concentrate

1.3. Company identification:

Química de Munguia, S.A.

Derio Bidea51 48100 Munguia (Vizcaya)

Tel: (94) 6741085

Email: info2quimunsa.com

1.4. Emergency Response Number:

Telephone: +34-94 674 1085 Available only in office hours

2. Product Hazards Identification

This product is considered as harmful to health and it should be handled in accordance with the legislation in force referring to Safety and Hygiene in work.

Main hazards:

Harmful. X shaped cross and the letters Xn

Dangerous for environment and pictogram

Risk phrases:

R42 Possibility of sensitisation by inhalation

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/ Ingredients indications

Components	N° CAS	% w/w	Phrases R	Pictogram
Cypermethrin	52315-07-8	10	R20/22, R50/53	Xn, N
Tetramethrine	7696-12-0	2.2	R50/53	N
Pyperonile Butoxide	51-03-6	10	R50/53	N

4. First aid measures

4.1. Poisoning Symptoms:

The main symptom of intoxication is eyes, nose and skin irritation. Hypersensitivity reactions

4.2. First aid measures:

Remove victim from the contaminated area.

Remove immediately contaminated clothing

Flood eyes with plenty of water for at least 15 minutes

Skin should be washed off with plenty of water and soap. Do not scrub the skin.

Do not give anything orally.

Subject should be resting. Corporal temperature must be observed.

Respiration should be controlled, if necessary apply artificial respiration.

If the person is unconscious, lay the person on his/her side with the head in a lower position. than the rest of the body, flexing knees to a half position

Immediately get medical attention and show the label or the container where possible.

DO NOT LEAVE THE SUBJECT ALONE.

4.3. Notes to a physician:

Symptomatically treatment.

IN CASE OF POSOINING CALL TO POISON AND HAZARDOUS CHEMICALS NATIONAL INFORMATION CENTRE.

+0034 91-562-04-20

5. Fire fighting measures

Fire should be extinguished by using foam, dust, water spray, carbon dioxide.

Do not use jets of water to extinguish fire, only for refreshing and packages next to the source of heat.



Do not breathe fumes. Use masks with filters for organic products or for automatic equipments in closed areas.

6. Accidental release measures.

Personal precautions: Manipulate in accordance with industrial hygiene cautions and taking into account the security practices.

Methods for cleaning up: Collect in containers; collect the rest in absorbent material and eliminate according to the regional regulations.

Wash small quantities with water. Eliminate the used water according to the regional regulations in force.

7. Handling and storage.

7.1. Handling:

Read carefully the label before using.

In order to avoid risks for the people and the environment, follow the instructions of use.

Keep away from people and/or domestic animals.

Protective measures towards the foodstuff manipulated in the treated premises and facilities should be taken not to contain any residue of the active ingredient.

Avoid contact with treated surfaces.

Instructions for use: Apply the product by spraying directly to baseboards and floors. Do not spray to the air

Before entering in the treated area ventilation is required

Do not mix with other chemical.

Protective measures towards these kind of products should be taken.

The use of this product in food industry should be away from food and a recommended safety period of 12 hours as a minimum must be applied before using the treated areas

Food, facilities or utensils previously treated with this product should not have residues of the active ingredient. As a result, the necessary measures must be taken

Instructions for use in food industry: Apply the product by spraying directly to baseboards and floors. Do not spray to the air. Do not apply on foods or kitchen utensils. Do not apply on surfaces where food are prepared, served o manipulate.

Do not apply with nebulisation equipments

7.2. Storage:

Keep away from sun exposure and frozen

Store in the original container.

Store in the original container

8. Exposure controls / Personal protection

8.1. Exposure limits

Keep a good ventilation

Avoid to breath the vapours during its use

On closed areas or areas with bad ventilation maintain a level under 50 mg/m³ air as medium value

8.2. Personal protective equipment :

Wear gloves and suitable clothing.

Wear protective masks against organics products and dust

Wash skin with plenty of water and soap.

9. Physical and Chemical Properties.

Physical state: Microencapsulated Liquid

Colour: milky white .

Odour: Non appreciable

Density: 1.03 gr/ml (20°C)

Frozen Point: < 0°C

Viscosity ford cup >40 seconds

PH (2%): 6.5-8.5

Boiling Point: >100°C

Inflammation Point (open cup) NP

Corrosively: cupper and its aleations

Solubility in water: Suppressible

10. Stability and Reactivity.

10.1. Conditions to avoid:

Avoid contact with oxidizing agents, acids and alkalis



10.2. Hazardous decomposition products :

Toxic products may be produced by thermal decomposition so in case of fire or combustion do not breath fumes produced.

11. Toxicological Information

DL₅₀ oral rats: > 2000 mg/kg.

DL₅₀ dermiquie rats: > 2000 mg/kg.

CL₅₀ inhalation rats: 4mg/lt. (4h)

Eyes contact : Irritant

Skin contact: long contact can cause dermatitis

Inhalation: At high concentrations irritates the upper respiratory tract.

It is not mutageneses, carcinogens or teratogeneses with use dosage

Note: estimated product values

12. Ecological information

12.1. Avoid contact with fluvial water.

12.2. Persistence/Degradability

Product is highly degraded by the biochemical action of the soil.

Persistence time may vary depending on the chemical and physical characteristics of the soil.

12.3. Bioaccumulation

There is nothing indicating bioaccumulation of the product.

12.4. Aquatic toxicity

Toxic for fishes

12.5. Toxicity in bees

Toxic for bees.

13. Disposal Regulations

The disposal should be carried out taking into account the regional regulations in force.

Contaminated containers: They can be emptied in an optimum way. The elimination should be performed according to legislation in force

14. Transport Regulations.

Transport by Road ADR/RID

ONU number: 3082

Transport Designation: Dangerous substance for the environment (continent cypermethrine)

ADR/RID class: 9

Package group: III

Label: 9

Additional information: Danger No.90

15. Regulatory Information

The final product should be labelled with the following data:

Pictograms:



Harmful (Xn)



Dangerous for the environment (N)

Risk phrases

R42 Possibility of sensibilisation by inhalation

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases

S 2 Keep out of reach of children.

S 13 Keep away from food, drink and animal feed stuffs.

S 23 Toxic by inhalation

S 36/37 Wear suitable clothes and gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately and show the label where possible.

S 60 This material and its container must be disposed of as hazardous waste

S 61 Avoid release to the environment. Refer to special instructions/safety data sheets



16. Other information.

The information contained in the safety data sheet is correct to the best of our knowledge and it relates only to the provided product. This Safety Data Sheet does not substitute either to the summary of the product characteristics or the regulations in force. As a result, an inappropriate or improper use is only a responsibility of the user

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