



MATERIAL SAFETY DATA SHEET

According to criteria CE)n° 1907/2006 (REACH)

Date/ Updated June 2014.

1. Product and Company information

1.1. Product identification:

ACTIBIOL FLOW

Registration Certificate No. : **D.G.S.P. No 11-30-00901 HA -11-30-00901**

1.2. Uses:

Environmental use: Suspension concentrate. Insecticide liquid for flying and crawling insects. Only by specialized personnel.

Food industry: Suspension concentrate. Insecticide liquid for crawling insects. Only by specialized personnel

1.3. Company Identification:

Química de Munguía, S.A
Derio Bidea 51 48100 Munguía (Vizcaya)
Phone: 34-94 674 10 85
e-mail: info@quimunsa.com

Marketing Company:

Lodi UK Ltd
Building 69, Third Avenue
Pensnett Trading Estate,
Kingswinford
West Midlands. DY6 7FD
Tel: 01384 404242
Email: sales@lodi-uk.com

1.4. Emergency Response phone number:

34 94 674 1085 (available only in business hours)

2. Product Hazards Identification

Product must be handled according to procedures established in regulations concerning Safety and Health at Work.

2.1. Main Hazards:

Harmful. St. Andrew's cross and initials Xn

Dangerous to environment and pictogram

Pictograms

Xn- Harmful



N- Dangerous to environment



Risk phrases

R22

Harmful if ingested

R50/53

Very toxic to aquatic organisms it may cause long term adverse effects in aquatic environment

3. Composition and Information on Ingredients

Ingredients	CAS NO	% w/w	Labelling according to regulation 67/548/CEE	Classification according to regulation (UE) No. 1272/2008 [UE-GHS/CLP]
Alfa-cipermetrina	67375-30-8	5.48%	R25, R37, R50/53, T,N	Acute Tox. 3 *, H301 STOT RE 2 *, H373 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Sustancia de sabor amargo	3734-33-6	0.002%	R11 F	

4. First Aid Measures

4.1. Poisoning symptoms

Poisoning may cause: Eyes, skin, mucous membranes, respiratory and gastrointestinal irritation..

4.2. First Aid

Remove victim from contaminated area.

Remove contaminated or sprinkled clothing.

Wash eyes with plenty of water for 15 minutes at least. Do not forget removing contact lenses..

Wash skin with plenty of water and soap, without rubbing.

If ingested, do not induce vomiting

Keep patient resting

Keep body temperature

Control breathing. Artificial respiration if necessary

If unconscious, lay the patient aside with head lower than the rest of the body and knees semi-flexed.

Move the patient to a Health Centre immediately and show label or container if possible

NEVER LEAVE PATIENT ALONE.

4.3. Notes to a Physician

Symptomatic treatment

IN CASE OF POISONING PHONE TOXICOLOGY NATIONAL INSTITUTE

Phone nº 91-5620420

5. Fire –Fighting measures

ACTIBIOL FLOW is not flammable.

General rules for fire fighting in the presence of insecticides: Suitable means for extinguishing fire: Foam, dust, CO₂ or pulverized water.

Do not breathe fumes. Use masks with filters for organic products or autonomous kits in closed premises



Additional information: Accumulate contaminated extinction water separately. It must not be poured in sewerage or drains.

6. Accidental release measures

Personal protection measures: Handle according to industrial hygiene cautions and observe safety practices...

Methods for collecting and cleaning up: Channel big quantities and collect them in containers. Collect the waste left using absorbent material and remove according to local regulation in force

Small quantities: Recover the product and collect it physically. Do not use steam to clean contaminated areas.

7. Handling and storage

7.1. Handling

Read the label carefully before using.

To avoid risk to people and environment follow instructions for use.

Do not mix with other chemicals.

Ventilate properly before entering the room.

Avoid contact with treated surfaces.

Food industry

In food industry do not apply ACTIBIOL FLOW in the presence of food and observe a minimum safety time limit of 12 hours before using treated premises.

Protective measures will be taken for food or tools manipulated in places or facilities treated with this product not to contain any active ingredients residue.

Do not use in the presence of people

Instruction for use: Spray towards baseboards and soils. Do not use aurally or on surfaces where food is manipulated, prepared, consumed or served. Do not apply using fogging equipments..

Environmental Hygiene

Do not use in the presence of people and/or pets

Do not apply in playgrounds, kindergartens or nurseries

Instructions for use: Apply directly towards surfaces, baseboards and soils

Do not apply aurally.

Do not apply on food, cookware or surfaces where food is manipulated, prepared, consumed or served.

Safety Time limit: 12 hours.

7.2. Storage

Keep away from sunlight.

Store in a dry place and in closed containers.

Store in the original container.



7.3. Specific uses

Environmental use. Only by specialized personnel

Environmental Hygiene: Only by specialized personnel

8. Exposure limits/ Personal protection

8.1. Exposure limits

Avoid any contact with skin.

8.2. Individual protective equipment

General measures for protection and hygiene: Avoid contact with product using gloves, waterproof clothing and shield.

9. Physical-Chemical Properties

9.1. General information

Appearance

Physical state	:Liquid
Colour	:White
Odour	:Not measurable.

9.2. Relevant information concerning Health, Safety and Environment

Boiling temperature	>100°C
Melting point	Not applicable
Solidification	<0°C
PH	Slightly acid 5.5-7
Density	0.92 g/cc
Solubility in water	Forms suspensions in the presence of water.
Solubility in other solvents:	Soluble in some solvents

10. Stability and Reactivity

Stable under normal storage conditions.

10.1. Conditions to avoid

Avoid contact with acids, alkalis and oxidizing agents.

10.2. Hazardous decomposition products

Toxic products may be produced by thermal decomposition. Therefore, in case of fire or combustion do not breathe fumes.



11. Toxicological Information

Acute Toxicity

DL₅₀- Oral in rats: <7000 mg/Kg

DL₅₀- Dermal in rats: >35000 mg/Kg

DL₅₀- Inhalation in rats (4 hours): >5.79 mg/l of air

NOEL (90 days): 60 mg/Kg diet.

12. Ecotoxic Information

12.1. Avoid contact with river and underground water.

12.2. Persistence/Degradability

Product is degraded by the biochemical action of soils.

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

12.3. Bioaccumulation

There is nothing indicating bioaccumulation of the product.

12.4. Aquatic toxicity

Toxic to fish.

12.5. Toxicity in bees

Toxic to bees.

13. Disposal Considerations

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

Contaminated containers:

They can be emptied in an optimum way. Remove containers and packaging according to regulation in force.

14. Transport Information

ACTIBIOL FLOW

UN No : : 3082

Liquid substance potentially dangerous to environment (contains alphacypermethrin)

Class: 9

Label: 9

9, ADR

Hazard N°. 90

15. Regulatory Information

Classification according to Spanish Royal Decree 255/2003

The product must be labelled according to R.D. 255/2003 "Classification, Packaging and Labelling of Hazardous: Preparations"

Xn-Harmful



Dangerous to environment (N)



Risk Phrases

R22: Harmful if ingested

R51/53: Very toxic to aquatic organisms, it may cause long-term adverse effects in aquatic environment...

Caution Phrases

S2 : Keep out of the reach of children

S 13 : Keep away from food, beverage and animal feed

S 24/25 Avoid contact with eyes and skin

S 37: Use suitable gloves.

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

S 60 This product and container must be disposed of as hazardous waste.

S.61 Avoid releasing the product in environment. Request specific instructions from Material Safety Data Sheet..

Safety Time limit: 12 hours

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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