

Safety Data Sheet

ACTIBIOL FLOW



Safety Data Sheet dated 24/11/2015, version 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: **ACTIBIOL FLOW**
Registration Certificate Spain No. : D.G.S.P. No 11-30-00901 HA / No 11-30-00901
No. homologation in the U.K. HSE No 7928

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

Environmental use: Suspension concentrate.
Insecticidal liquid against flying and crawling insects. Only by specialized personnel.
Food industry: Suspension concentrate. Insecticidal liquid against crawling insects. Only by specialized personnel.

1.3. Details of the supplier of the safety data sheet

Approval holder:
Química de Munguía, S.A
Derio Bidea 51 48100 Munguía (Vizcaya) Spain
Phone: 00 +34-94 674 10 85
e-mail: info@quimunsa.com

Marketing company :
LODI UK
Pensnett Trading Estate 3rd Avenue
West Midlands
DY6 7FD KINGSWINFORD United Kingdom
Tel. 00 44 1628 779 027

Competent person responsible for the safety data sheet:
fds@lodi.fr

1.4. Emergency telephone number

NPIS (National Poison Centre) - Birmingham Unit
[To be called by medical staff or physicians]
City Hospital, Birmingham, B18 7QH, UK
Tel: 0844 892 011

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:


Properties / Symbols:

Xn Harmful
N Dangerous for the environment

R Phrases:



R22 Harmful if swallowed.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

EC regulation criteria 1272/2008 (CLP)

 Warning, Acute Tox. 4, Harmful if swallowed.

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-  Warning, Aquatic Acute 1, Very toxic to aquatic life.
-  Warning, Aquatic Chronic 1, Very toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:
No other hazards

2.2. Label elements

Symbols:



Attention

Hazard statements:

H302 Harmful if swallowed

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P102 Keep out of reach of children.

P261 Avoid breathing vapours.

P280 Wear protective gloves.

P262: Avoid contact with eyes, skin or clothing.

P309 + P310 + P101 IF exposed or discomfort: Immediately call a POISON CENTER or doctor. If medical advice is needed, have a container or the label.

P403 + P233 + P405 Store in a well ventilated area. Keep container tightly closed.

Store locked up.

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents and / or its container according to hazardous waste regulations.

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

This SDS concerns a mixture, see 3.2.

3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:


5.48 % Alpha-cypermethrin

CAS: 67375-30-8

R25, R37, R48/22 R50/53, T,N


 Warning, STOT RE 2, H373

 Warning, STOT SE 3, H335

 Warning, Aquatic Acute 1, H400

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 Warning, Aquatic Chronic 1, H410

 Danger, Acute Tox. 3, H301

0.002 % bitter substance
CAS: 3734-33-6
F , R11

SECTION 4: First aid measures

4.1. Description of first aid measures

- Remove patient from contaminated area.
- Remove contaminated or sprinkled clothing.
- Wash eyes with plenty of water for 15 minutes at least. Do not forget to remove contact lenses.
- Wash skin with plenty of water and soap, without rubbing.
- If ingested, do not induce vomiting
- Keep patient rested
- Keep track of body temperature
- Control breathing. Artificial respiration if necessary
- If unconscious, lay patient aside with head lower than the rest of the body and knees semi-flexed.
- Move patient to a Health Centre immediately and show label or container if possible
NEVER LEAVE PATIENT ALONE.

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

Poisoning may cause: Eye, skin, mucous membrane, respiratory and gastrointestinal irritation.

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

Symptomatic treatment

IN CASE OF POISONING PHONE TOXICOLOGY NATIONAL INSTITUTE

SECTION 5: Firefighting measures

ACTIBIOL FLOW is not flammable.

General rules for firefighting in 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

5.1. Extinguishing media

Suitable ways of extinguishing: Turn off the fire using foam, CO₂ or water spray

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

5.2. Special hazards arising from the substance or mixture

Do not breathe vapours. Combustion gases of organic materials must always be considered as toxic by inhalation.

5.3. Advice for firefighters

Use masks with filters for organic products alone equipment in confined areas.

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No action should be performed that could mean a personal risk or made by staff without appropriate risk training. Do not allow the entry to unnecessary and unprotected personnel. Only use appropriate personal protection equipment (see Section 8).

6.2. Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

Channelling large amounts and collect in containers; dispose of according to local regulations. Wash small amounts with water. Remove the water used according to local regulations.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Read the label carefully before use.
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.

7.2. Conditions for safe storage, including any incompatibilities

Keep out of the sun exposure.
Store in a dry place in closed containers.
Store in the original container.

7.3. Specific end use(s)

Environmental use. Only by qualified personnel.
Do not use in the presence of people and / or pets.
Do not apply on children's playgrounds, kinder gardens and nursery schools.
Instructions: Direct spray application directed to surfaces, baseboards and floors. May not be applied in the air.

You cannot apply on food, cooking utensils or surfaces where food is handled, prepared, consumed or served.

Term safety recommended: 12 hours. If the surfaces are not dried after this safety time, unprotected persons and animals should be kept away from treated areas until surface dry.

Use in Food Hygiene. Only by qualified personnel.

Applying ACTIBIOL FLOW in the food industry, will be carried out in the absence of food and be respected as a minimum recommended safety within 12 hours before making use of local agreements. If the surfaces are not dried after this safety time, unprotected persons and animals should be kept away from treated areas until surface dry.

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The necessary measures are taken to ensure that food, machinery or utensils are handled on the premises, facilities previously treated with the product do not contain residues of any of its active ingredients.

Not used in the presence of people

Directions: Normal spraying directed to baseboards and floors. May not be applied in the air.

Not to be applied on surfaces where food is handled, prepared, consumed or served

Cannot be applied by spray equipment.

Food industry

In the 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. If the surfaces are not dried after this safety time, unprotected persons and animals should be kept away from treated areas until surface dry.

Protective measures will be taken for food or tools treated with this product not to contain any active ingredient residue.

Do not use in the presence of people

Instruction for use: Spray towards baseboards and flooring. Do not use in the air

Or on surfaces where food is prepared, consumed or served.

Do not apply using fogging kits...

Environmental Hygiene

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

Do not apply in playgrounds, kinder gardens or nurseries

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

Do not apply in the air

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

Safety Time limit: 12 hours. If the surfaces are not dried after this safety time, unprotected persons and animals should be kept away from treated areas until surface dry.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Maintain adequate ventilation.

Stand away as far as possible to avoid contact and vacuum the dust during use.

8.2. Exposure controls

Respiratory protection:

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

Hand protection:

Gloves of Nitrile of chemical resistant, protection EN420 and EN374

Eye protection:

Safety glasses with side protection (EN 166, 167,168)

General protective and hygienic measures

Wash hands after handling and before eating, drinking and / or smoking. Routinely wash clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance and colour:

White Viscous liquid

Odour:

Not appreciable

Odour threshold:

N.A.

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pH:	Slightly acid 5.5-7
Melting point / freezing point:	N.A.
Initial boiling point and boiling range:	>100°C
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	N.A.
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	0.92 g/cc
Solubility in water:	Form suspensions in presence of water.
Solubility in other solvents:	Slightly Soluble in some organic solvents
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	N.A.
Decomposition temperature:	N.A.
Viscosity:	N.A.
Explosive properties:	N.A.
Oxidizing properties:	N.A.

9.2. Other information

Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal storage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Avoid contact with acids, alkalis and oxidizing agents.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

Thermal decomposition may cause some toxic products... Therefore, in case of fire or combustion do not breathe fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the mixture:

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.

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Toxicological information of the main substances found in the mixture:

N.A.

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Avoid contact with river and underground water.

Toxic to fish.

Toxic to bees.

12.2. Persistence and degradability

Product is degraded by biochemical action of soils.

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

12.3. Bioaccumulative potential

Up to the present there is no evidence of bioaccumulation.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number

ADR-UN number: 3082

14.2. UN proper shipping name

ADR-Shipping Name: UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (alphacypermethrin),9, III

14.3. Transport hazard class(es)

ADR-Class: 9

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14.4. Packing group

ADR-Packing Group: III

14.5. Environmental hazards

N.A.

14.6. Special precautions for user

N.A.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N.A.

SECTION 15: Regulatory information

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

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)

Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Dir. 2006/8/EC

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP)

Regulation (EU) n. 453/2010 (Annex I)

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Restrictions related to the product or the substances contained according to Annex XVII

Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restriction 3

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of phrases referred to in Section 3:

R25 Toxic if swallowed

R37 Irritating to respiratory system.

R48 / 22: Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R11: Highly flammable.

R50 / 53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

T: Toxic

F: Highly flammable

N: Dangerous for the environment.

H301 Toxic if swallowed

H373 May cause damage to organs through prolonged or repeated exposure

H335 May cause respiratory irritation.

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H400 Very toxic to aquatic organisms.

H410 Very toxic to aquatic life with long lasting effects.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
CSR:	Chemical safety report
DNEL:	Derived No Effect Level.
EC50 :	Efficacy concentration for 50 percent of the tested population.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
N.A.:	Not available
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
UN:	United Nations
WGK:	German Water Hazard Class.

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