

BAYTHROID 50 EC

R-17117.SPAIN

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Trade name : BAYTHROID 50 EC
Common name of active ingredients : Cyfluthrin
Description : NPE Free
Use : Insecticide
Producer : Irvita Plant Protection N.V.
 Pos Cabai Office Park, Unit 13,
 P.O.Box 403
 Curaçao Netherlands Antilles
 Tel: 599-9-738-4096 / 738-4040 Fax: 599-9-738-4005
 MSDS@ma-industries.com
Emergency phone nr : Instituto Nacional de Toxicologia: (24h service):
 Madrid 34-91-562.04.20
 Barcelona 34-93-317.44.00
 Sevilla 34-95-437.12.33

2. HAZARDS IDENTIFICATION

Human health hazards : Harmful by inhalation and if swallowed.
 Irritating to eyes.
 Harmful: may cause lung damage if swallowed.
Environmental hazard : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is considered to be hazardous and contains hazardous components.

Substance name	Value(s)	CAS No	EC No	Index No	Classification
Cyfluthrin	: 5.4 %	68359-37-5	269-855-7	607-253-00-1	----- T+: R28 T: R23 N: R50-53 (M fact. = 1000)
CaDBS/2-Ethylhexanol	: < 6 %	-----	-----	-----	----- Xi: R38-41
Solvesso 150 ND	: < 85 %	64742-94-5	265-198-5	649-424-00-3	----- Xn: R65

4. FIRST AID MEASURES

Effects and symptoms : In case effects of paresthesia caused by skin contact (itching, burning or numbness) occur, these are temporary and do not last longer than 24 hours.
First aid
Inhalation : Keep victim warm and at rest. Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.
Ingestion : Do not induce vomiting. Immediately consult a doctor .
Skin contact : Remove affected clothing and wash all exposed skin area with soap and water, followed by warm water rinse. Seek medical attention if ill effect develops.
Eye contact : Consult an eye specialist. Wash off with plenty of water
Note to physician : No specific antidote known. Treat symptomatically and give supportive therapy.

BAYTHROID 50 EC

R-17117.SPAIN

5. FIRE-FIGHTING MEASURES

- Extinguishing media** : Dry chemical, alcohol-resistant foam, water spray, carbon dioxide , sand .
- Special procedures** : Exercise caution when fighting any chemical fire.
- Special exposure hazards** : Thermal decomposition may generate : carbon monoxide , carbon dioxide , chlorides , nitrogen oxides , fluorides , hydrogen cyanide .
- Protection against fire** : Use self-contained breathing apparatus when in close proximity to fire.
Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Use appropriate protection (see section 8).
- Environmental precautions** : Prevent entry to sewers and public waters.
Notify authorities if product enters sewers or public waters.
- After spillage and/or leakage** : Clean up any spills as soon as possible, using an absorbent material to collect it.
Use suitable disposal containers. Dilute residues. Recover the cleaning water for disposal.

7. HANDLING AND STORAGE

- Handling** : Use only in well ventilated areas.
- Storage** : Keep out of the reach of children . Keep away from food, drink and animal feedingstuffs . Store in dry, cool, well-ventilated area. Protect from freezing. Avoid temperatures above 40 °C .
- Packing** : Coextruded or fluorinated polyethylene containers

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Industrial hygiene** : Provide local exhaust or general room ventilation.
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
- **Respiratory protection** : Face mask with ABEK-P2 filter.
- **Skin protection** : Wear suitable protective clothing and gloves .
- **Hand protection** : Gloves.
- **Eye protection** : Chemical goggles or face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : Liquid
- Colour** : Yellowish
- Odour** : Aromatic
- pH value** : 5.4 (1% aqueous solution)
- Specific gravity** : 0.92 at a temperature of 20 °C
- Solubility in water** : Emulsifiable
- Flash point [°C]** : 62
- Auto-ignition temperature [°C]** : > 400
- Explosion limits** : Not explosive

BAYTHROID 50 EC

R-17117.SPAIN

10. STABILITY AND REACTIVITY

- Hazardous decomposition products** : Thermal decomposition may generate : carbon monoxide , carbon dioxide , chlorides , nitrogen oxides , fluorides , hydrogen cyanide .
- Hazardous reactions** : Reacts with : strong acids , bases .
- Hazardous Polymerization** : Will not occur.
- Conditions to avoid** : Direct sunlight , heat , open flame

11. TOXICOLOGICAL INFORMATION

- Toxicity information** : The data below are for Baythroid 100 EC ;
- Rat oral LD50 [mg/kg]** : 500 < LD50 <1000
- Rat dermal LD50 [mg/kg]** : >4000
- Rat inhalation LC50 [mg/l/4h]** : 1.38
- Dermal irritation (rabbit)** : Not irritant
- Eyes irritation (rabbit)** : Irritant
- Sensitization** : Non sensitizer
- Other** : May cause temporary and localised sensation of itching, burning or numbness, without cutaneous lesions (paresthesia).

12. ECOLOGICAL INFORMATION

- Ecological effects information** : For Cyfluthrin (Active ingredient);
- 96 H-LC50 - Rainbow trout [µg/l]** : 0.47
- 48 H-EC50 - Daphnia magna [µg/l]** : 0.16
- 72H - IC50 - Algae [mg/l]** : >10

13. DISPOSAL CONSIDERATIONS

- Disposal** : Avoid release to the environment.
Dispose in a safe manner in accordance with local/national regulations.

14. TRANSPORT INFORMATION

- **UN No.** : 3082
- **Proper shipping name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (5% Cyfluthrin)
- **Packing group** : III
- **Class** : 9
- **H.I. nr :** : 90
- **IMDG-Marine pollution** : YES

15. REGULATORY INFORMATION

- EU Classification** : This product is provisionally labelled by the supplier in accordance with the suppliers understanding of the EU regulations

Symbol(s)



BAYTHROID 50 EC

R-17117.SPAIN

15. REGULATORY INFORMATION (continued)

- R Phrase(s)** : Xn: Harmful.
N: Dangerous for the environment.
: R20/22 - Harmful by inhalation and if swallowed.
R36 - Irritating to eyes.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 - Harmful : may cause lung damage if swallowed.
- S Phrase(s)** : S02 - Keep out of the reach of children.
S13 - Keep away from food, drink and animal feedingstuffs.
S23 - Do not breathe gas/fumes/vapour/spray.
S24/25 - Avoid contact with skin and eyes.
S36/37 - Wear suitable protective clothing and gloves.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).
S62 - If swallowed, do not induce vomiting : seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

Recommended uses and restrictions : Insecticide

Text of R-phrases in heading 3 :

: R23 - Toxic by inhalation.

R28 - Very toxic if swallowed.

R41 - Risk of serious damage to eyes.

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

R65 - Harmful : may cause lung damage if swallowed.

Print date : 1 / 2 / 2010

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

End of document