



SAFETY DATA SHEET

Page : 1

Revised edition no : 5

Date : 10/4/2006

Supersedes : 20/3/2006

FORESTER

CA701731

www.lisam.com

N : Dangerous for
the environment

Xn : Harmful

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

Identification of the product : Cypermethrin 100 g/L EW.
Trade name : FORESTER
Use : Public health. Biocide
Type of product : Insecticide.
Company identification : AGRIPHAR S.A.
Rue de Renory, 26/1
B-4102 Ougrée Belgique-Belgie
Tel. : +32 (0)4 385 97 11
Fax : +32 (0)4 385 97 49
e-mail: info@agriphar.com
http://www.agriphar.com
Emergency phone nr : See Anti-poison center.

2 COMPOSITION / INFORMATION ON INGREDIENTS

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

Substance name	Contents	CAS No / EC No / Index No	Symbol(s)	R-Phrase(s)
<u>Cypermethrin</u>	: 94 to 106 g/L	52315-07-8 / 257-842-9 / 607-421-00-4	Xn N	20/22-37-50/53
Log P octanol / water at 20°C	: 6.6			
Rat oral LD50 [mg/kg]	: 250 to 4150			
Rabbit dermal LD50 [mg/kg]	: > 4920			
LC50-96 Hour - fish [mg/l]	: .00069			
Bees LD50 [µg]	: 0.035 (24h)			
48 H-CE50 - Daphnia magna [mg/l]	: .00015			

3 HAZARDS IDENTIFICATION

Risk Phrases : Harmful if swallowed. Irritating to skin. May cause sensitization by skin contact.
Environmental hazard : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Primary route of exposure : Vapours inhalation. Skin and eyes contact.
Symptoms relating to use
- Inhalation : Cough. Headache. Drowsiness. Dizziness.
- Skin contact : Redness, pain. May cause sensitization by skin contact.
- Eye contact : Direct contact with the eyes is likely slightly irritating.
- Ingestion : The main component of this product is harmful by ingestion.

4 FIRST AID MEASURES

First aid measures
- Inhalation : Assure fresh air breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention if breathing difficulty persists.
- Skin contact : Rinse immediately with plenty of water. Seek medical attention if ill effect or irritation develops.
- Eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes. Retract eyelids often. Obtain medical attention if pain, blinking or redness persist.
- Ingestion : Rinse mouth. DO NOT INDUCE VOMITING. If swallowed seek medical advice immediately and show this container or label.

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5 FIRE-FIGHTING MEASURES

- Extinguishing media
- Suitable extinguishing media : Dry chemical. Water fog. Water spray. Carbon dioxide. Foam.
 - Unsuitable extinguishing media : Do not use a heavy water stream.
- Surrounding fires : Use water spray or fog for cooling exposed containers.
- Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions : Evacuate and limit access. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.
- Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
- Clean up methods : Clean up any spills as soon as possible, using an absorbent material to collect it. Use appropriate container to avoid environmental contamination.

7 HANDLING AND STORAGE

- General : Avoid all unnecessary exposure. No naked lights. No smoking. Ventilate confined spaces before entering.
- Technical protective measures : Ground well.
- Storage : Keep locked up. Keep only in the original container in a cool, well ventilated place. Close container tightly after use.
- Handling : Handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection



- Respiratory protection : Suitable respiratory equipment.
 - Hand protection : Wear suitable gloves resistant to chemical penetration.
 - Skin protection : Skin protection appropriate to the conditions of use should be provided.
 - Eye protection : Chemical goggles or safety glasses.
 - Ingestion : When using, do not eat, drink or smoke.
- Industrial hygiene : Either local exhaust or general room ventilation is usually required.

9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state at 20 °C : Liquid.
- Colour : White (Milk-like).
- Odour : Characteristic.
- pH value : 4 - 5
- Density : 0.98
- Solubility in water : Emulsion.
- Flash point [°C] : >79°C

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10 STABILITY AND REACTIVITY

- Stability and reactivity : Stable.
- Hazardous decomposition products : According to process conditions, hazardous decomposition products may be generated. Hydrogen cyanide. Hydrochloric acid. Nitrogen oxides. Carbon dioxide. Carbon monoxide.
- Materials to avoid : Strong acids. Strong bases. Strong oxidizers.

11 TOXICOLOGICAL INFORMATION

- Acute toxicity
- Dermal : Irritating to skin. May cause sensitization by skin contact.
 - Ocular : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
- Rat oral LD50 [mg/kg] : 300 - 2000
- Rabbit dermal LD50 [mg/kg] : >2000
- Rat inhalation LC50 [mg/l/4h] : >5
- On ingredients : See Heading : Information on ingredients.

12 ECOLOGICAL INFORMATION

- Ecological effects information : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- LC50-96 Hour - fish [mg/l] : <1
- 48 Hour-EC50 - Daphnia magna [mg/l] : <1
- * IC50 72h Algae [mg/l] : < 1
- On ingredients : See Heading : Information on ingredients.

13 DISPOSAL CONSIDERATIONS

- General : Avoid release to the environment. Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.

14 TRANSPORT INFORMATION

- General information : Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency.

Land transport

- Proper shipping name : UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cypermethrin, 10% Solution), 9, III
- UN No. : 3082
- H.I. nr : 90
- ADR/RID : Class : 9
- ADR/RID Packing group : Group : III
- Labelling ADR



Sea transport

- Proper shipping name : UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cypermethrin, 10% Solution), 9, III
- IMO-IMDG code : Class : 9
- IMO Packing group : Group : III
- IMDG-Marine pollution : Marine pollutant

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14 TRANSPORT INFORMATION (continued)

- Hazard Label(s)

**Air transport**

- Proper shipping name : UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cypermethrin, 10% Solution), 9, III
- IATA - Class or division : Class : 9
- IATA Packing group : Group : III
- Hazard Label(s)



15 REGULATORY INFORMATION

- Symbol(s) : XN: Harmful.
N : Dangerous for the environment
- R Phrase(s) : R22 : Harmful if swallowed.
R38 : Irritating to skin.
R43 : May cause sensitization by skin contact.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- S Phrase(s) : S2 : Keep out of the reach of children.
S13 : Keep away from food, drink and animal feedingstuffs.
S20/21 : When using, do not eat, drink or smoke.
S23 : Do not breathe the gas, fumes, vapours, spray.
S24 : Avoid contact with skin.
S29/35 : Do not empty into drains ; dispose of this material and its container in a safe way.
S36/37 : Wear suitable protective clothing and gloves.
S51 : Use only in well-ventilated areas.
S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.

16 OTHER INFORMATION

Further information : None.

The contents and format of this SDS are in accordance with EEC Commission Directive 2001/58EC.

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End of document**AGRI PHAR S.A.**

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