

Section A8

Measures necessary to protect man, animals and the environment

Official
use only

Air transport ICAO/IATA

UN/ID No.: : UN3352
Class-primary : 6.1 Toxic Substance
UN Pack. Group : III
Proper shipping name : PYRETHROID PESTICIDE,
LIQUID, TOXIC
(contains lambda-cyhalothrin 81-91%)

8.1.4 Methods and precautions concerning fire of the active substance and its formulations

Combustion gases: carbon dioxide; carbon monoxide; nitrogen oxides; hydrogen fluoride. Combustion products are toxic and/or irritant.

Emergency measures in case of an accident
Measures have to be taken to prevent the contaminated extinguishing agent from seeping into the ground or from spreading uncontrollably.
Fire fighting water has to be contained, concentrated and decontaminated by filtration using charcoal. The water can be disposed of in a suitable sewage treatment plant or incinerated. The charcoal can be disposed of in a suitable waste incineration plant in accordance with the official regulations. (Birk, 1998c)

8.2

In case of fire, nature of reaction products, combustion gases, etc. (IIA8.2)

Combustion gases: carbon dioxide; carbon monoxide; nitrogen oxides; hydrogen fluoride. Combustion products are toxic and/or irritant.

8.3

Emergency measures in case of an accident (IIA8.3)

8.3.1 Specific treatment in case of an accident, e.g. first-aid measures, antidotes, medical treatment if available

General: In case of indisposition place the patient in a well-ventilated area and protect him from hypothermia. IN CASE OF SUSPECTED POISONING: Immediately call a physician. Prompt medical attention is essential.

Eye Contact: Rinse eyes with clean water for several minutes.

Ingestion: Repeatedly administer medicinal charcoal in a large quantity of water. NOTE: Never give anything by mouth to an unconscious person. Do not induce vomiting. If swallowed take to a hospital immediately.

Skin Contact: Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water, including hair and under fingernails.

Inhalation: Immediately remove to fresh air. Call a physician immediately.

Antidote: No specific antidote is known! Apply symptomatic therapy.

8.3.2 Emergency measures to protect the environment

Environmental Protection Measures following Accidents: Pay attention to protective clothing and safety measures. Collect product and dispose of in an incinerator approved for chemicals. Dampen solid material carefully to

Section A8 Measures necessary to protect man, animals and the environment

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- prevent it being blown away. Collect material in specially marked, tightly closing containers. Wash away the remainder with plenty of water and a wetting agent. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative. Do not contaminate waters and sewers.
- 8.4 Possibility of destruction or decontamination following release in or on the following: (a) Air; (b) Water, including drinking water; (c) Soil (IIA8.4)**
- 8.4.1 Possibility of destruction or decontamination following release in the air** Dry chemical extinguisher, foam, carbon dioxide or waterspray (do not use direct jet of water) to be used to contain any release
- 8.4.2 Possibility of destruction or decontamination following release in water, including drinking water** Contaminated waters should be isolated where possible to limit the extent of contamination. Expert advice should be sought to establish the degree of contamination and the feasibility of available treatment techniques such as flocculation, carbon adsorption etc. Where relevant, the appropriate Authorities should be notified.)
- 8.4.3 Possibility of destruction or decontamination following release in or on soil** Cover spillage with moist earth or sawdust. Transfer to a container for disposal. Wash the spillage area with water. Washings must be prevented from entering surface water drains.
- 8.5 Procedures for waste management of the active substance for industry or professional users e.g. possibility of re-use or recycling, neutralisation, conditions for controlled discharge, and incineration (IIA8.5)**
- 8.5.1 Possibility of re-use or recycling** Not to be recycled. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative and dispose of in an incinerator approved for chemicals.
- 8.5.2 Possibility of neutralisation of effects** Not applicable (specifications in the TNSG on data requirements (chapt.2 A 8.5.2) should be taken into account)
- 8.5.3 Conditions for controlled discharge including leachate qualities on disposal** Product Disposal: Pay attention to protective clothing and measures. Dampen solid material carefully to prevent it being blown away. Collect material in specially marked, tightly closing containers. Clean dirty areas with water and detergent. Put washing water in containers too, to avoid any contamination of surface and ground water, water supplies and drains. Hose down the area for a prolonged period. Heavily contaminated soil layers have to be dug out down to clean soil. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative and dispose of in an incinerator approved for chemicals.
- Container Disposal: Dispose of empty containers in an incinerator

Section A8 Measures necessary to protect man, animals and the environment

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- approved for chemicals. Damaged containers: Place original containers in specially marked larger ones. Check possibilities of recycling large empty containers, drums and barrels.
- 8.5.4 Conditions for controlled incineration** Destruction can be achieved by high temperature incineration at a temperature above 1200°C and with a minimum residence time of 2 seconds.
- The halogen content of lambda-cyhalothrin does not exceed 60% and therefore a study to investigate the pyrolytic behaviour of the compound is not required.
- 8.6 Observations on undesirable or unintended side-effects, e.g. on beneficial and other non-target organisms (IIA3.6)**
Not applicable/expected
- 8.7 Identification of any substances falling within the scope of List I or List II of the Annex to Directive 80/68/EEC on the protection of groundwater against pollution caused by certain dangerous substances (IIA8.7)**
Not applicable

Evaluation by Competent Authorities

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EVALUATION BY RAPPORTEUR MEMBER STATE

Date August 2007
Conclusion [REDACTED]
Acceptability [REDACTED]

Competent Authority Report

According to Directive 98/8/EC



lambda-Cyhalothrin

CAS 91465-08-6

Active substance in Biocidal Products, Product Type 18 (Insecticide)

Notifier: Syngenta European Center

DOCUMENT III-A

Section 9: Classification

Rapporteur Member State: Sweden

Final CAR, September 2008

Borttaget: Draft

Section B9

Classification and labelling

See Document II A