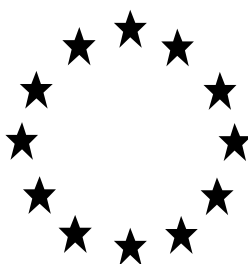


Competent Authority Report
Programme for Inclusion of Active Substances in Annex
I to Council Directive 98/8/EC



s-Methoprene (PT 18)

CAS-No. 65733-16-6

DOCUMENT IIIA (A8)

Evaluation Report

Bábolna Bioenvironmental Centre Ltd.

Rapporteur: Ireland

October 2010

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

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Subsection (Annex Point)

- 8.1 Recommended methods and precautions concerning handling, use, storage, transport or fire (IIA8.1)**
- 8.1.0 Methods and precautions concerning placing on the market**
Biopren® Pharaoh's Ant Colony Eliminator is recommended for use by professional pest control operators and by non-professionals. Specific training is not required for the use of Biopren® Pharaoh's Ant Colony Eliminator. S-Methoprene is produced in closed systems with appropriate control measurements in place to exclude release of the active substance.
- 8.1.1 Methods and precautions concerning production, handling and use of the active substance and its formulations**
- Eye protection: OSHA-approved safety glasses, goggles or face shield
- Protective clothing: Avoid contact with clothes and skin
- Ventilation: Mechanical ventilation should be used when handling this product in enclosed spaces
- Respiratory protection: Not required
- Other protective equipment: Not required
- The usual precautionary measures for handling chemicals should be observed.
- 8.1.2 Methods and precautions concerning storage of the active substance and its formulations**
Store containers upright and closed. Store in areas that are cool, dry and well-ventilated, store in a refrigerator. Store away from heat, ignition sources and strong oxidisers. Do not contaminate water, feed or food during storage, handling and disposal. Read and follow all precautions and instructions on the product label.
- 8.1.3 Methods and precautions concerning transport of the active substance and its formulations**
- Proper shipping name: Environmentally Hazardous Substance N.O.S. (Methoprene)
- UN no.: 3082
- ADR/RID:
Class: 9.M6.III
Label: 9
Packing Group: III

Section A8

Measures necessary to protect man, animals and the environment

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Class: 9.M6.III

Label: 9

Packing Group: III

ICAO/IATA:

Class: 9.M6.III

Label: 9

Packing Group: III

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

Extinguishing media: Foam, carbon dioxide or dry chemicalFire fighting procedures: Treat as an oil fire. Use a full-faced self contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water spray. Contain the run-off, if possible, for proper disposal.

8.2

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

S-Methoprene is non-flammable according to its flashpoint value (143°C, closed cup method). According to the structure of the substance, typical decomposition products would be oxides of carbon and evaporated water. No typical hazardous decomposition products are known.

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

<u>Eyes</u>	May cause eye irritation	Immediately flush with water for at least 15 minutes. If irritation persists, seek medical attention.
<u>Skin</u>	Not known to cause skin irritation	If irritation occurs, wash affected irritation area with soap and water.
<u>Inhalation</u>	No known adverse effects	Remove person to fresh air.
<u>Ingestion</u>	No known adverse effects	Seek medical attention. Do not induce vomiting.

Section A8

Measures necessary to protect man, animals and the environment

Official
use only

- 8.3.2 Emergency measures to protect the environment** Contain the spill. Prevent from reaching surface waters or other water supplies. Soak up spillages with an appropriate absorbent and transfer into waste containers for disposal. Clean the spill area with detergent and water.
- Contaminated absorbent and wash water should be disposed of according to local regulations.
- 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** Not applicable as the substance is non-volatile (vapour pressure approximately 3.15 mPa). Furthermore, the product is presented in an enclosed bait box for use indoors and release to air is considered unlikely. Therefore, no specific decontamination processes are deemed to be required.
- 8.4.2 Possibility of destruction or decontamination following release in water, including drinking water** Prevent from reaching surface waters or other water supplies. Soak up spillages with an appropriate absorbent and transfer into waste containers for disposal. Clean the spill area with detergent and water.
- Contaminated absorbent and wash water should be disposed of according to local regulations. S-Methoprene has low water solubility (6.85 ppm) and is rapidly degraded in the aqueous environment *via* photolysis. Furthermore, the product is presented in an enclosed bait box for use indoors and release to water is considered unlikely. Therefore, no specific decontamination processes are deemed to be required.
- 8.4.3 Possibility of destruction or decontamination following release in or on soil** Prevent from reaching surface waters or other water supplies. Soak up spillages with an appropriate absorbent and transfer into waste containers for disposal. Clean the spill area with detergent and water.
- Contaminated absorbent and wash water should be disposed of according to local regulations. S-Methoprene is rapidly degraded in soil. Furthermore, the product is presented in an enclosed bait box for use indoors and release to soil is considered unlikely. Therefore, no specific decontamination processes are deemed to be required.

Section A8

Measures necessary to protect man, animals and the environment

Official
use only

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)	<p><u>Disposal:</u></p> <p><u>Uncleaned packaging:</u></p> <p><u>RCA/CERCLA hazardous waste:</u></p>	<p>Prevent the contamination of environment by wastes. Do not contaminate water, food or feed. Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility.</p> <p>Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by local authorities.</p> <p>Not listed</p>
8.5.1	Possibility of re-use or recycling	Packaging can be recycled.	
8.5.2	Possibility of neutralisation of effects	S-Methoprene is an ester which does not dissociate in water. Therefore, consideration of neutralisation procedures is not appropriate.	
8.5.3	Conditions for controlled discharge including leachate qualities on disposal	Wastes may be disposed of on site or at an approved waste disposal facility. No special conditions for controlled discharge are recommended.	
8.5.4	Conditions for controlled incineration	<p>As S-Methoprene does not have a halogen content greater than 60%, an investigation into the pyrolytic behaviour under controlled conditions is not required. No compounds of concern are generated as a result of incineration.</p> <p>Controlled incineration at an approved chemical waste facility is a possible means of disposal. There are no special conditions required for safe incineration.</p>	
8.6		<p>Observations on undesirable or unintended side-effects, e.g. on beneficial and other non-target organisms (IIA8.6)</p> <p>According to the data presented in Section A 7.5, undesired and unintended side-effects for non-target organisms and vertebrates are not expected to be caused by S-Methoprene.</p>	
8.7		<p>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)</p>	

Section A8

Measures necessary to protect man, animals and the environmentOfficial
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S-Methoprene is not listed on the "List of substances determined for the EC Groundwater Directive 80/68/EEC".

Evaluation by Competent Authorities	
Use separate "evaluation boxes" to provide transparency as to the comments and views submitted	
EVALUATION BY RAPPORTEUR MEMBER STATE	
Date	01/04/2010
Materials and methods	Agree
Results and discussion	Agree
Conclusion	Agree
Reliability	1
Acceptability	Acceptable
Remarks	N/A
COMMENTS FROM ...	
Date	<i>Give date of comments submitted</i>
Results and discussion	<i>Discuss if deviating from view of rapporteur member state</i>
Conclusion	<i>Discuss if deviating from view of rapporteur member state</i>
Reliability	<i>Discuss if deviating from view of rapporteur member state</i>
Acceptability	<i>Discuss if deviating from view of rapporteur member state</i>
Remarks	