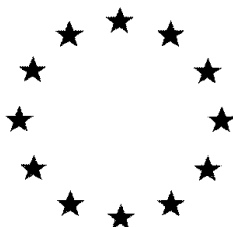


# European Commission



**TRANSFLUTHRIN**

**CAS number 118712-89-3**

**Document III-A  
Section 8 Measures  
Study Summaries  
Active Substance**

**Rapporteur Member State: The Netherlands  
August 2013**

CA-report and Proposed Decision of The Netherlands in the context of the  
Possible inclusion of Transfluthrin in Annex I of Council Directive 98/8/EC

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## Doc IIIA

**Measures necessary to protect man, animals and the environment**

## SECTION 8

BPD Data Set IIA /  
Annex Point VIII.8.

<b>Reference</b>	Bayer Environmental Science Safety Data Sheet. Version 1/D Revision date 18 October 2005.	<b>Official use only</b>												
<b>8.1 Recommended methods and precautions concerning handling, use, storage, transport or fire (Annex IIA, point 8.1)</b>	<p><u>Handling and Use</u></p> <p>Use only in area provided with appropriate exhaust ventilation.</p> <p><b>Personal protective equipment</b></p> <p><u>Hand Protection:</u> solvent-resistant gloves</p> <p><u>Eye protection:</u> Safety glasses with side-shields</p> <p><u>Hygiene measures:</u></p> <p>Avoid contact with skin, eyes and clothing.</p> <p>Keep working clothes separately.</p> <p>Wash hands immediately after work, if necessary take a shower.</p> <p>Remove soiled and/or soaked clothing immediately and clean thoroughly before using again.</p> <p>Garments that cannot be cleaned must be destroyed (burnt).</p> <p><u>Storage</u></p> <p>Store in original container.</p> <p>Keep containers tightly closed in a dry, cool and well-ventilated place.</p> <p>Store in a place accessible by authorized persons only.</p> <p>Keep away from food, drink and animal feedingstuffs.</p> <p>German storage class 10 Combustible liquids neither in Storage Class 3A nor 3B</p> <p>Only use containers that are approved specifically for the substance/product.</p> <p><u>Transport</u></p> <p><b>ADR/RID/ADNR</b></p> <table border="0"> <tr> <td>UN-No</td> <td><b>3082</b></td> </tr> <tr> <td>Labels</td> <td>9</td> </tr> <tr> <td>Packaging group</td> <td>III</td> </tr> <tr> <td>Hazard no.</td> <td>90</td> </tr> <tr> <td>Description of the goods</td> <td>UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  (TRANSFLUTHRIN)</td> </tr> </table> <p><b>IMDG</b></p> <table border="0"> <tr> <td>UN-No</td> <td><b>3082</b></td> </tr> </table>	UN-No	<b>3082</b>	Labels	9	Packaging group	III	Hazard no.	90	Description of the goods	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  (TRANSFLUTHRIN)	UN-No	<b>3082</b>	<p>X</p> <p>X</p>
UN-No	<b>3082</b>													
Labels	9													
Packaging group	III													
Hazard no.	90													
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UN-No	<b>3082</b>													

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Class	9	
Packaging group	III	
EmS	F-A , S-F	
Marine pollutant	Marine pollutant	
Description of the goods SUBSTANCE,	ENVIRONMENTALLY LIQUID, N.O.S.  (TRANSLUTHRIN )	HAZARDOUS

**IATA**

UN-No	<b>3082</b>	
Class	9	
Packaging group	III	
Description of the goods SUBSTANCE,	ENVIRONMENTALLY LIQUID, N.O.S.  (TRANSLUTHRIN )	HAZARDOUS

**FIRE**

Extinguishing media: water spray, carbon dioxide (CO<sub>2</sub>), foam, sand

Wear respiratory protection. In the event of fire and/or explosion do not breathe fumes.

Contain the spread of the fire-fighting media.

Do not allow run-off from fire fighting to enter drains or water courses.

**8.2 In case of fire,  
nature of reaction  
products,  
combustion gases,  
etc. (Annex IIA,  
point 8.2)**

In the event of fire, the formation of hydrogen chloride, hydrogen fluoride and carbon monoxide must be anticipated.

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**General Information:** Remove patients from the danger zone. If there is a risk of unconsciousness, position and transport in stable sideways position. Remove soiled or soaked clothing immediately.

**Inhalation:** Remove to fresh air. Keep patient warm and at rest. Call a physician immediately.

**Skin contact:** Washoff immediately with soap and plenty of water. After skin contact: Apply Vitamin E cream or simple toilet milks. Take medical treatment.

**Eye contact:** Rinse eyes thoroughly with water.

**Ingestion:** Do not induce vomiting. Wash out mouth with water. Call a physician immediately.

**Information for the physician:** This product/preparation contains a pyrethroid. Must NOT be confused with organophosphorus compounds.

**Symptoms**

Dizziness, headache, listlessness, nausea and vomiting, epigastric pain, muscular fasciculation of limbs, unconsciousness, convulsions and coma (very high doses), tremors, gastrointestinal discomfort, excitement, Systemic: Usually transient with resolution within 24 hours. After skin contact: paresthesia (local).

**Treatment**

Systemic treatment:

Endotracheal intubation should be done and gastric lavage performed, followed by administration of charcoal.

Monitoring of respiratory, cardiac and central nervous system.

ECG - monitoring (Electrocardiogram).

Early dialysis (h(a)emoperfusion)

Check for pulmonary oedema in event of inhalation.

Against convulsions: give diazepam. For adults 5-10 mg intravenously as necessary until fully sedated; for children 2.5 mg i.v.

There is no specific antidote.

Contraindication: atropine.

Contraindication: derivatives of adrenaline.

Environmental

Do not discharge into drains/surface water/groundwater.

**Clean-up procedures:** Take up with absorbent material (e.g. sand, diatomaceous earth or a proprietary absorbent material).

Clean contaminated floors and objects thoroughly, observing environmental regulations.

Pack spilled material in suitable containers for recovery or disposal.

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- 8.4 Possibility of destruction or decontamination following release in or on the following: (a) air (b) water, including drinking water (c) soil (Annex IIA, point 8.4)**
- Dispose of by incineration in an authorised special waste incineration plant. Comply with local legislation. For larger quantities contact manufacturer. Waste key for the unused product : 020108 agrochemical waste containing dangerous substances.
- For decontamination measures, each of the environmental compartments are considered as follows:
- Air: Significant contamination of air is unlikely to occur under conditions of normal use.
  - Water: Significant contamination of water is unlikely to occur under conditions of normal use.
  - Soil: Significant contamination of soil is unlikely to occur under conditions of normal use.
- 8.5 Procedures for waste management of the active substance for industry or professional users**
- Dispose of by incineration in an authorised special waste incineration plant. Comply with local legislation. For larger quantities contact manufacturer. Waste key for the unused product : 020108 agrochemical waste containing dangerous substances.
- 8.5.1 Possibility of re-use or recycling (Annex IIA, point 8.5.1)**
- Re-use and recycling are not recommended. The product should only be used for the intended purpose.
- 8.5.2 Possibility of neutralisation of effects (Annex IIA, point 8.5.2)**
- There is no known possibility of neutralization. Incineration is the recommended method of disposal.
- 8.5.3 Conditions for controlled discharge including leachate qualities on disposal (Annex IIA, point 8.5.3)**
- Not applicable. Discharge is not permitted.
- 8.5.4 Conditions for controlled incineration (Annex IIA, point 8.5.4)**
- Any disposal must comply with Local and National Requirements which are derived from the EU Directives 94/67/EC of 16 December 1994 on the incineration of hazardous waste and 2000/76/EC of 4 December 2000 on the incineration of hazardous waste. These Directives establish operating conditions under which hazardous/controlled waste must be incinerated and include details such as a minimum temperature of 850°C, as measured near the inner wall or at another representative point of the combustion chamber as authorised by the competent authority, for two seconds; prescribe limits for air emissions; control discharges of waste water; control the disposal of incineration residues; and provide prescriptive methods and calculations for the determination of air emissions etc.

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Annex Point VIII.8.****Stability and reactivity**

Thermal decomposition: at 250 °C or higher (DSC, heating rate 3 °C/min in glass).

Specific consideration of halogens is not needed (content not critical: < 60 % w/w halogens).

**8.6 Observations on undesirable or unintended side-effects, e.g. on beneficial and other non-target organisms (Annex IIA, point 8.6)**

Refer to Doc IIIA5.

**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 ground water against pollution caused by certain dangerous substances**

Transfluthrin does not come under any of the categories in list I, and hence is considered to be included in list II (as a biocide). The proposed uses of transfluthrin are predominantly indoors and the potential soil contamination will be minimal, hence contamination of pore water is extremely unlikely (document II-B).

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<b>Evaluation by Competent Authorities</b>	
	Use separate "evaluation boxes" to provide transparency as to the comments and views submitted
	<b>EVALUATION BY RAPPORTEUR MEMBER STATE</b>
<b>Date</b>	28-03-2007
<b>Materials and methods</b>	Applicant's version is acceptable, with the addition of: Personal protective equipment: Wear suitable protective clothing and gloves Storage: Keep out of the reach of children.
<b>Conclusion</b>	Applicant's version is adopted, with the above mentioned additions
<b>Reliability</b>	1
<b>Acceptability</b>	Acceptable, with additions.
<b>Remarks</b>	None.
	<b>COMMENTS FROM ...</b>
<b>Date</b>	<i>Give date of comments submitted</i>
<b>Results and discussion</b>	<i>Discuss additional relevant discrepancies referring to the (sub)heading numbers and to applicant's summary and conclusion. Discuss if deviating from view of rapporteur member state</i>
<b>Conclusion</b>	<i>Discuss if deviating from view of rapporteur member state</i>
<b>Reliability</b>	<i>Discuss if deviating from view of rapporteur member state</i>
<b>Acceptability</b>	<i>Discuss if deviating from view of rapporteur member state</i>
<b>Remarks</b>	

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