



## DECIS TRAP

Version 1 / EU  
102000024739

1/10

Revision Date: 23.07.2012

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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Trade name DECIS TRAP  
Product code (UVP) 80054378

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use Insecticide

#### 1.3 Details of the supplier of the safety data sheet

Supplier Bayer CropScience AG  
Alfred-Nobel-Straße 50  
40789 Monheim am Rhein  
Germany

Telefax +49(0)2173-38-7394  
Responsible Department Product Safety and Specification Management  
+49(0)2173-38-3409/3189 (during business hours only)  
Email: BCS-MSDS@bayer.com

#### 1.4 Emergency telephone no.

Emergency telephone no. Global Incident Response Hotline (24h)  
+1 (760) 476-3964 (Company 3E for Bayer CropScience)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

**Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.**

Acute aquatic toxicity: Category 1  
H400 Very toxic to aquatic life.

Chronic aquatic toxicity: Category 1  
H410 Very toxic to aquatic life with long lasting effects.

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

N Dangerous for the environment, R50/53

#### 2.2 Label elements

**Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.**

Hazard label for supply/use required.



Signal word:



M-434981-01-1

**DECIS TRAP**Version 1 / EU  
102000024739

2/10

Revision Date: 23.07.2012  
Print Date: 23.07.2012

## Warning

## Hazard statements

H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

## Precautionary statements

P273 Avoid release to the environment.  
P280 Wear protective gloves.  
P501 Dispose of contents/container as hazardous waste to an approved waste disposal plant.

**2.3 Other hazards**

No other hazards known.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures****Chemical nature**

Others (XX)  
Deltamethrin 0.015 g/dispenser

**Hazardous components**

R-phrases according to EC directive 67/548/EEC  
Hazard statements according to Regulation (EC) No. 1907/2006

Name	CAS-No. / EC-No.	Classification		Concentration [%]
		EC Directive 67/548/EEC	Regulation (EC) No 1272/2008	
Deltamethrin	52918-63-5 258-256-6	T; R23/25 N; R50/53	Acute Tox. 3, H331 Acute Tox. 3, H301 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	0,03

**Further information**

Deltamethrin	52918-63-5	M-Factor: 1.000.000 (acute)
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For the full text of the R-phrases/ Hazard statements mentioned in this Section, see Section 16.

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures****General advice**

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Inhalation**

Move to fresh air. When symptoms persist or in all cases of doubt seek medical advice.

**Skin contact**



## DECIS TRAP

Version 1 / EU  
102000024739

3/10

Revision Date: 23.07.2012  
Print Date: 23.07.2012

Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.

### Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.

### Ingestion

Do NOT induce vomiting. Rinse mouth. Keep at rest. Obtain medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

Local: May cause a transient, localized paresthesia, characterized by tingling, burning or numbness sensation in some individuals. The product causes irritation of eyes, skin and mucous membranes. Systemic: Excitement, Gastrointestinal discomfort, Tremors, Dizziness, Headache, Nausea, Vomiting, Muscular fasciculation, Unconsciousness, Convulsions, Coma

### 4.3 Indication of any immediate medical attention and special treatment needed

#### Risks

This product contains a pyrethroid.  
Pyrethroid poisoning should not be confused with carbamate or organophosphate poisoning.

#### Treatment

Local treatment:

Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

Systemic treatment:

In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.

Monitor: respiratory and cardiac functions.

ECG - monitoring (Electrocardiogram).

Watch for pulmonary edema, which may develop in serious cases of poisoning even after 24-48 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

Keep respiratory tract clear.

Oxygen or artificial respiration if needed.

In case of convulsions, a benzodiazepine (e.g. diazepam) should be given according to standard regimens.

Contraindication: derivatives of adrenaline.

Contraindication: atropine.

There is no specific antidote.

Recovery is spontaneous and without sequelae.

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## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Unsuitable extinguishing media

High volume water jet

### 5.2 Special hazards arising from the substance or mixture

In the event of fire the following may be released:



## DECIS TRAP

Version 1 / EU  
102000024739

4/10

Revision Date: 23.07.2012  
Print Date: 23.07.2012

Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)  
Ammonia  
Amines  
Cyanides

### 5.3 Advice for firefighters

#### Special protective equipment for fire-fighters

In the event of fire and/or explosion do not breathe fumes.  
Wear self-contained breathing apparatus and protective suit.

#### Further information

Keep out of smoke.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with spilled product or contaminated surfaces.  
When dealing with a spillage do not eat, drink or smoke.

### 6.2 Environmental precautions

Do not allow to get into surface water, drains and ground water.  
If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and materials for containment and cleaning up

#### Methods for cleaning up

Use mechanical handling equipment.  
Keep in suitable, closed containers for disposal.

#### Additional advice

Check also for any local site procedures.

### 6.4 Reference to other sections

Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

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## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Advice on safe handling

Avoid contact with skin, eyes and clothing.

#### Advice on protection against fire and explosion

No special precautions required.

#### Hygiene measures

Avoid contact with skin, eyes and clothing.  
Wash hands before breaks and immediately after handling the product.  
When using, do not eat, drink or smoke.

**DECIS TRAP**Version 1 / EU  
102000024739

5/10

Revision Date: 23.07.2012

Print Date: 23.07.2012

**7.2 Conditions for safe storage, including any incompatibilities****Requirements for storage areas and containers**

Store in original container and out of the reach of children, preferably in a locked storage area.

Store at room temperature.

Keep away from direct sunlight.

**Advice on common storage**

Keep away from food, drink and animal feedingstuffs.

**7.3 Specific end uses**

Refer to the label and/or leaflet.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Deltamethrin	52918-63-5	0,02 mg/m <sup>3</sup> (TWA)		OES BCS*

\*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

**8.2 Exposure controls****Personal protective equipment**

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection	No personal respiratory protective equipment normally required.
Hand protection	Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.
Eye protection	Wear goggles conforming to EN166 (Field of Use 5 or equivalent).
Skin and body protection	Wear standard coverall and type 5 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

**Protective measures**

Do not inhale vapours.

Use only in area provided with appropriate exhaust ventilation.

Remove contaminated clothing immediately and dispose of safely.

Wash skin after work.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

**DECIS TRAP**Version 1 / EU  
102000024739

6/10

Revision Date: 23.07.2012

Print Date: 23.07.2012

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Form	solid
Colour	colourless
Odour	none
pH	not applicable
Decomposition temperature	> 300 °C
Melting point/range	no data available
Water solubility	insoluble
Partition coefficient: n-octanol/water	log Pow: 4,6 at 25 °C The value mentioned relates to the active ingredient deltamethrin.

**9.2 Other information**

Further safety related physical-chemical data are not known.

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**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity****Thermal decomposition**

&gt; 300 °C

Stable at ambient temperature.

No decomposition up to the given temperature.

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions when stored and handled according to prescribed instructions.

**10.4 Conditions to avoid**

Extremes of temperature and direct sunlight.

**10.5 Incompatible materials**

Store only in the original container.

**10.6 Hazardous decomposition products**

Toxic gases/vapours

Irritant gases/vapours

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**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

Acute oral toxicity

LD50 (rat) 87 mg/kg

The value mentioned relates to the active ingredient deltamethrin.

**DECIS TRAP**Version 1 / EU  
102000024739

7/10

Revision Date: 23.07.2012

Print Date: 23.07.2012

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Acute inhalation toxicity	LC50 (rat) 0,6 mg/l Exposure time: 6 h The value mentioned relates to the active ingredient deltamethrin.
Acute dermal toxicity	LD50 (rat) > 2.000 mg/kg The value mentioned relates to the active ingredient deltamethrin.
Acute toxicity (other routes of administration)	LD50 intravenous (rat) Dose: 2.526 mg/kg The value mentioned relates to the active ingredient deltamethrin.
Skin irritation	No skin irritation (rabbit) The value mentioned relates to the active ingredient deltamethrin.
Eye irritation	No eye irritation (rabbit) The value mentioned relates to the active ingredient deltamethrin.
Sensitisation	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Magnusson & Kligman test The value mentioned relates to the active ingredient deltamethrin.
Assessment repeated dose toxicity	Deltamethrin caused neurobehavioral effects and/or neuropathological changes in animal studies. The toxic effects of Deltamethrin are related to transient hyperactivity typical for pyrethroid neurotoxicity.
Assessment Mutagenicity	Deltamethrin was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.
Assessment Carcinogenicity	Deltamethrin was not carcinogenic in lifetime feeding studies in rats and mice.
Assessment Toxicity to Reproduction	Deltamethrin did not cause reproductive toxicity in a two-generation study in rats.
Assessment developmental toxicity	Deltamethrin caused developmental toxicity only at doses toxic to the dams. The developmental effects seen with Deltamethrin are related to maternal toxicity.

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**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

Toxicity to fish	LC50 (Rainbow trout ( <i>Oncorhynchus mykiss</i> )) 0,00091 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient deltamethrin.
Toxicity to aquatic invertebrates	EC50 (Water flea ( <i>Daphnia magna</i> )) 0,00056 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient deltamethrin.
Toxicity to aquatic plants	EC50 (Algae) > 9,1 mg/l Exposure time: 72 h The value mentioned relates to the active ingredient deltamethrin.

**DECIS TRAP**Version 1 / EU  
102000024739

8/10

Revision Date: 23.07.2012  
Print Date: 23.07.2012

Toxicity to other organisms      LD50 (Colinus virginianus (Bobwhite quail)) > 2.250 mg/kg  
The value mentioned relates to the active ingredient deltamethrin.

LD50 (Anas platyrhynchos (Mallard duck)) > 4.640 mg/kg  
The value mentioned relates to the active ingredient deltamethrin.

**12.2 Persistence and degradability**

Biodegradability      The value mentioned relates to the active ingredient deltamethrin.  
The product is readily degradable in the environment.

**12.3 Bioaccumulative potential**

Bioaccumulation      Lepomis macrochirus (Bluegill sunfish)  
Bioconcentration factor (BCF): 1.400  
The value mentioned relates to the active ingredient deltamethrin.

**12.4 Mobility in soil**

Stability in soil      Not applicable for this mixture.

**12.5 Results of PBT and vPvB assessment**

Not relevant as no chemical safety report is necessary.

**12.6 Other adverse effects**

Additional ecological information  
No further ecological information is available.

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**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods****Product**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Follow advice on product label and/or leaflet.

Dispose in accordance with all local, state/provincial and federal regulations.

**Contaminated packaging**

Dispose of as unused product.

Do not re-use empty containers.

Consult state and local regulations regarding the proper disposal of container.

**Waste key for the unused product**

020108 agrochemical waste containing dangerous substances

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**SECTION 14: TRANSPORT INFORMATION****ADR/RID/ADN**

14.1 UN number	<b>3077</b>
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DELTAMETHRIN MIXTURE)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environm. Hazardous Mark	YES
Hazard no.	90



**DECIS TRAP**Version 1 / EU  
102000024739

9/10

Revision Date: 23.07.2012  
Print Date: 23.07.2012

Tunnel Code E

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

**IMDG**

14.1 UN number	<b>3077</b>
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DELTAMETHRIN MIXTURE)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Marine pollutant	YES

**IATA**

14.1 UN number	<b>3077</b>
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DELTAMETHRIN MIXTURE )
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environm. Hazardous Mark	YES

**14.6 Special precautions for user**

See sections 6 to 8 of this Safety Data Sheet.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No transport in bulk according to the IBC Code.

Further Information	No part of ADR/RID/IMDG (special provision 335) and no part of IATA (A 158).
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**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Further information  
WHO-classification: II (Moderately hazardous)

**15.2 Chemical Safety Assessment**

A chemical safety assessment is not required.

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**SECTION 16: OTHER INFORMATION**

Text of R-phrases mentioned in Section 3

R23/25	Toxic by inhalation and if swallowed.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Text of the hazard statements mentioned in Section 3



## DECIS TRAP

Version 1 / EU  
102000024739

10/10

Revision Date: 23.07.2012

Print Date: 23.07.2012

H301	Toxic if swallowed.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

The information contained within this Safety Data Sheet is in accordance with the guidelines established by Regulation (EU) 1907/2006 and Regulation (EU) 453/2010 amending Regulation (EU) No 1907/2006 (and any subsequent amendments). This data sheet complements the user's instructions, but does not replace them. The information it contains is based on the knowledge available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements.

Reason for Revision: Safety Data Sheet according to Regulation (EU) No. 453/2010.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.