

# SAFETY DATA SHEET

6/6/05

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

Dow AgroSciences Limited  
Latchmore Court  
Brand Street  
Hitchin  
Herts SG5 1NH

Emergency Telephone Number: UK: (00 44) 1553 761 251

Product Name: **TRACER INSECTICIDE : MAPP 12438**

LV70: 98193

Issue Date: June 04

Ref: FJ31G

Revised: Oct. 04 (Section(s) 14)

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Dangerous components (see section 16 for complete R-phrases):

Spinosyn A and                      44.2 %              N; R50/53  
Spinosyn D

Inert ingredients                      Balance

Composition Code                      GF0976

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## 3. HAZARDS IDENTIFICATION

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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## 4. FIRST-AID MEASURES

Never give fluids or induce vomiting if patient is unconscious or is having convulsions.

### Ingestion

Do not induce vomiting. Call a physician. The decision of whether to induce vomiting or not should be made by a physician.

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**Eye Contact**

Flush eyes thoroughly with water for several minutes. Remove contact lenses after initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

**Skin Contact**

Wash off in flowing water or shower, use soap if available.

**Inhalation**

Remove to fresh air. Consult a physician.

**Note to Physician**

No specific antidote. Supportive care. Treatment based on judgement of physician in response to symptoms of patient.

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**5. FIRE-FIGHTING MEASURES****Extinguishing Media**

Water fog or fine spray. Carbon dioxide. Dry chemical powder. Foam.

**Hazardous Combustion Products**

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/ or irritating.

**Protection of Firefighters**

Wear protective clothing and use self-contained breathing apparatus.

**Additional Information**

Keep containers cool by spraying with water. Contain runoff to prevent entry into water or drainage systems.

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**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions**

Wear appropriate safety clothing and eye/face protection (see Section 8).

**Environmental Precautions**

Do not wash into sewers or into any body of water. Advise water authority if spillage has entered water course or drainage system.

**Methods of Cleaning Up**

Collect all waste material and place in closable marked containers. For large spills, barricade area and consult manufacturer. If further assistance is required, telephone the emergency contact number.

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## 7. HANDLING AND STORAGE

### Handling

Use good personal hygiene. Do not consume or store food in the work area. Wash hands and exposed skin before eating, drinking or smoking and after work.

### Storage

Product should be stored in compliance with local regulations. Store in a cool, dry, well-ventilated place in the original container. Protect from excessive heat and cold. Do not store near food, drink, animal feeding stuffs, pharmaceuticals, cosmetics or fertilisers. Keep out of reach of children.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

None established.

### Engineering Controls

Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

### Respiratory Protection

For most conditions, no respiratory protection should be needed. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

### Hand/Skin Protection

Wear clean, long-sleeved, body-covering clothing. Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Examples of preferred glove barrier materials include: Nitrile. Neoprene. Polyvinyl chloride ("PVC" or "vinyl").

NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all requisite workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), as well as the instructions/specifications provided by the glove supplier.

For emergency conditions: Use protective clothing impervious to this material. Selection of specific items will depend on operation.

### Eye/Face Protection

Use safety glasses.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: white to light tan
Odour	: low
Water solubility	: disperses
Flash point	: not determined (water based)
Rel. density (water=1)	: 1.09 g/cm <sup>3</sup> (approx.)
Boiling point/range	: 100 deg.C (approx.)

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## 10. STABILITY AND REACTIVITY

### Chemical Stability

Is stable under normal storage conditions.

### Conditions to Avoid

None determined.

### Materials to Avoid

Strong basic, acidic or oxidising materials.

### Hazardous Decomposition Products

None under normal conditions of storage and use.

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## 11. TOXICOLOGICAL INFORMATION

### Ingestion

Low toxicity if swallowed. The oral LD<sub>50</sub> for rats is >5000 mg/kg.

### Skin Contact

The dermal LD<sub>50</sub> for rabbits is >5000 mg/kg. Prolonged skin contact is unlikely to result in absorption of harmful amounts. Prolonged or repeated exposure is not likely to cause significant skin irritation.

### Sensitisation

Non-sensitising to guinea pig skin.

### Eye Contact

May cause slight temporary eye irritation.

### Inhalation

No adverse effects anticipated by this route of exposure incidental to proper handling. The LC<sub>50</sub> for inhalation in rats is >5 mg/L.

### Additional Information

Not carcinogenic. Not mutagenic. Not toxic for reproduction.

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## 12. ECOLOGICAL INFORMATION

### Persistence and Degradability

Assessment largely or completely based on data for active ingredient.

#### Spinosyn A:

Half-life in soils is dependent on soil type and conditions and is approximately 9-17 days.

#### Spinosyn D:

Half-life in soils is dependent on soil type and conditions and is approximately 14 days.

### Aquatic Toxicity

Based on data for the formulation.

Acute LC50 for common carp (*Cyprinus carpio*) is >100 mg/L.

Acute LC50 for zebra fish (*Brachydanio rerio*) is >100 mg/L.

Acute EC50 for water flea *Daphnia magna* is 16.9 mg/L.

Algal toxicity EC50 for green algae is >100mg/L.

Growth inhibition EC50 in diatom (*Navicula* sp.) is <1 mg/L.

### Avian Toxicity

Assessment largely or completely based on data for active ingredient.

Acute oral LD50 for bobwhite (*Colinus virginianus*) is >2000mg/kg.

Acute oral LD50 for mallard duck is >2000mg/kg.

### Additional Information

Assessment largely or completely based on data for active ingredient.

LD50 for bees is 0.05 microgram/bee.

LD50 for earthworms is >970mg/kg.

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## 13. DISPOSAL CONSIDERATIONS

Very toxic to aquatic organisms. Do not contaminate ponds, waterways or ditches with chemical or used container. Wash out thoroughly. Container and washings must be disposed of safely and in accordance with applicable regulations. The preferred options are to send to licensed reclaimer or to permitted incinerators. Do not re-use container for any purpose.

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## 14. TRANSPORT INFORMATION

### Road & Rail

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Spinosad)

Truck/Rail ADR/RID : 9 Label : 9

Classification Code : M6

Packing Group : III

Kemler Code : 90 UN Number : 3082

Tremcard Nr. CEFIC : 90GM6-III

### Sea

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Spinosad)

Sea - IMO/IMDG Class: 9 UN Nr : 3082 Label: 9

Packing Group : III EMS : F-AS-F

Marine Pollutant : Y (Y/N)

### Air

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Spinosad)

Air-ICAO/IATA Class : 9 UN Nr : 3082 Label: 9

Sub Class :

Packing Group : III Pack Instr. Passenger : 911

Pack Instr. Cargo : 911

**Remarks** : Sample shipment not allowed by mail.

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## 15. REGULATORY INFORMATION

**Hazard Symbol** : N - Dangerous for the Environment

**Risk Phrases** : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R50/53).

**Safety Phrases** : Keep out of reach of children (S2).  
This material and its container must be disposed of in a safe way (S35).  
Use appropriate containment to avoid environmental contamination (S57).

Refer to the Product Label for full local Regulatory Authority label precautions

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## 16. OTHER INFORMATION

### Risk-phrases in Section 2

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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The information herein is given in good faith and to the best of our knowledge but no warranty, express or implied is made.