

# SAFETY DATA SHEET

11/2/05

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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: 0870 600 2999  
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Product Name: **PREMIER GRANULES HERBICIDE : MAPP 10866**

LV70: 51208 Issue Date: June 94 Ref: H841B  
Revised: Nov. 04 (Section(s) 3, 15 & 16)

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

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

			CAS	EC No
Trifluralin	2.0 %	Xi,N; R36-43-50/53	001582-09-8	216-428-8
Isoxaben	0.5 %	R53	82558-50-7	407-190-8
Inert ingredients	Balance			

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## 3. HAZARDS IDENTIFICATION

This product is not classified as dangerous according to EC criteria.

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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**

Irrigate immediately with water for at least 5 minutes.

**Skin Contact**

Wash skin thoroughly with soap and water.

**Inhalation**

Remove to fresh air. Consult a physician.

**Note to Physician**

No specific antidote. Likely symptoms of ingestion are nausea, vomiting, and diarrhoea. 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 fire extinguishers. 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; however, in dusty atmospheres, use an approved particulate respirator. 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.

### Eye/Face Protection

Safety glasses should be sufficient for most operations; however, for dusty operations wear chemical goggles.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: granules
Colour	: yellow
Bulk density	: 39-42 lb/cu.ft
pH	: 7.0-8.0 (50% aq. dispersion)
Flash point	: not applicable
Autoignition temperature	: >537 deg.C

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## 10. STABILITY AND REACTIVITY

### Chemical Stability

Is stable under normal storage conditions.

### Conditions to Avoid

Avoid extremes of temperature.

### 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 LD50 for rats is >2000mg/kg.

### Skin Contact

The dermal LD50 for rabbits is >2000mg/kg.

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

Brief contact is essentially nonirritating to the skin.

### Sensitisation

Non-sensitising to guinea pig skin.

### Eye Contact

May cause slight eye irritation.

### Inhalation

No adverse effects anticipated by this route of exposure incidental to proper handling.

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## 12. ECOLOGICAL INFORMATION

### Persistence and Degradability

Trifluralin:

Tightly bound to soil and is extremely resistant to leaching and elution. Degradation occurs by volatilisation, photodegradation, aerobic and anaerobic mechanisms, as the more usual routes. Half-life in soils is dependent on soil type and conditions and is approximately 25-289 days.

Isoxaben:

Undergoes microbial degradation in the soil. In soil, the half-life is approximately 150-180 days. There is no evidence of any significant leaching, therefore it is unlikely to contaminate ground water.

### Aquatic Toxicity

Material is not harmful to fish on an acute basis (LC50>100mg/L).

Material is not harmful to aquatic invertebrates on an acute basis (EC50>100mg/L).

Material is not harmful to algae (IC50>100mg/l).

### Avian Toxicity

Trifluralin:

Material is practically non-toxic to birds on an acute basis (LD50 >2000mg/kg).

Isoxaben:

Material is practically non-toxic to birds on an acute basis (LD50 >2000mg/kg).

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## 13. DISPOSAL CONSIDERATIONS

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

Sample shipment not allowed by mail. Product is not classified for any mode of transportation.

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## 15. REGULATORY INFORMATION

**Hazard Symbol :** None required

**Risk Phrases :** None required.

**Safety Phrases :** None required.

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## 16. OTHER INFORMATION

### **Risk-phrases in Section 2**

R36 - Irritating to eyes.

R43 - May cause sensitisation by skin contact.

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

R53 - 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.