

SAFETY DATA SHEET

11/2/05

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

Dow AgroSciences Limited
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Emergency Telephone Number: UK: 0870 600 2999
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Product Name: **VITAX LAWN CLEAR: MAPP10851**

LV70: 59663

Issue Date: April 98

Ref: CCP16

Revised: Nov. 04 (Section(s) 3, 15 & 16)

2. COMPOSITION/INFORMATION ON INGREDIENTS

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

			CAS	EC No
Fluroxypyr 1-methylheptyl ester	13 g/L	R53	081406-37-3	279-752-9
Mecoprop-P	54 g/L		016484-77-8	240-539-0
Solvent plus inert ingredients	Balance			
Composition Code	EF1374			

3. HAZARDS IDENTIFICATION

Irritating to eyes. Harmful 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. The decision of whether to induce vomiting or not should be made by a physician.

Eye Contact

Irrigate immediately with water for at least 5 minutes. Consult a physician if irritation persists.

Skin Contact

Wash skin with plenty of water. Remove contaminated clothing. Wash contaminated clothing before reuse.

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. If lavage is performed, suggest endotracheal and/or oesophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

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

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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

Soak up with sand or other non-combustible absorbent material and place into containers for disposal. For large spills, barricade area and consult manufacturer. If further assistance is required, telephone the emergency contact number.

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. Avoid contact with eyes.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

Fluroxypyr 1-methylheptyl ester: Dow AgroSciences IHG is 10 mg/m³. Supplier recommendation for solvent is 100 ppm

Engineering Controls

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

Respiratory Protection

When airborne exposure guidelines and/or comfort levels may be exceeded, use an approved air-purifying respirator. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

Hand/Skin Protection

For brief contact, no precautions other than clean body-covering clothing and chemical resistant gloves should be needed. When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

Eye/Face Protection

Use safety glasses. Where contact with the liquid is likely, chemical goggles are recommended.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: pale brown
Rel. density (water=1)	: 1.03 g/cm ³ (20 deg.C)
Water solubility	: emulsifiable
Flash point	: none

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.

11. TOXICOLOGICAL INFORMATION

Based on data for similar formulation.

Ingestion

The estimated oral LD50 for rats is >2000mg/kg.

Skin Contact

The estimated dermal LD50 for rats is >2000mg/kg.

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

Brief contact may cause slight skin irritation with local redness.

Sensitisation

Non-sensitising to guinea pig skin.

Eye Contact

May cause moderate eye irritation.

Inhalation

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

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12. ECOLOGICAL INFORMATION

Assessment largely or completely based on data for active ingredient.

Persistence and Degradability

Fluroxypyr 1-methylheptyl ester:

Rapidly hydrolysed to the parent acid. Half-life in soils is dependent on soil type and conditions and is approximately 14-56 days.

Mecoprop:

Undergoes microbial degradation in the soil. Half-life in soils is dependent on soil type and conditions and is approximately 7-13 days.

Aquatic Toxicity

Fluroxypyr 1-methylheptyl ester:

Acute LC50 for fish is reported to be greater than the maximum saturation level.

Acute LC50 for daphnids is reported to be greater than the maximum saturation level.

Mecoprop:

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).

Avian Toxicity

Fluroxypyr 1-methylheptyl ester:

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

Mecoprop:

Material is slightly toxic to birds on an acute basis (500mg/kg <LD50 <2000mg/kg).

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.

14. TRANSPORT INFORMATION

Product is not classified for any mode of transportation.

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15. REGULATORY INFORMATION

Hazard Symbol : Xi - Irritant

Risk Phrases : Irritating to eyes (R36).
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53).

Safety Phrases : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26).
This material and its container must be disposed of in a safe way (S35).

16. OTHER INFORMATION

Risk-phrases in Section 2

R22 - Harmful if swallowed.

R38 - Irritating to skin.

R41 - Risk of serious damage to eyes.

R53 - May cause long-term adverse effects in the aquatic environment.

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