

SAFETY DATA SHEET

7/2/01

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
 Eire: 01 821 4999

Poisons Information Centre: UK: 0121 507 5588/5589
 Eire: 01 837 9964/66

Product Name: **RUBIGAN* FUNGICIDE : MAFF 05489**

LV70: 20208

Issue Date: Nov. 94

Ref: H8614

Revised: Nov. 00 (Section(s) 1, 3, 13 & 15)

2. COMPOSITION/INFORMATION ON INGREDIENTS**Components contributing to hazard:**

		CAS	EINECS
Fenarimol	120 g/L	060168-88-9	262-095-7
Inert ingredients	Balance		
Composition Code	000383		

3. HAZARDS IDENTIFICATION

Dangerous to fish or other aquatic life.

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 an attending physician.

Eye Contact

Irrigate immediately with water for at least 5 minutes.

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Skin Contact

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

Inhalation

Remove to fresh air. Consult a physician.

Note to Physician

Likely symptoms of ingestion are nausea, vomiting, and diarrhoea. Supportive care. Treatment based on judgement of physician in response to symptoms of patient.

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

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

Hazardous Combustion Products

During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.

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).

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.

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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**

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, if respiratory irritation is experienced 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 impervious gloves should be needed. For emergency conditions: Use protective clothing impervious to this material. Selection of specific items will depend on operation.

Eye/Face Protection

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: milky white
Rel. density (water=1)	: 1.05 approx. (20 deg.C)
Boiling point/range	: >100 deg.C
pH	: 7.9 (1% aqueous suspension)
Water solubility	: miscible
Flash point	: none

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10. STABILITY AND REACTIVITY

Chemical Stability

Is stable under normal storage conditions.

Conditions to Avoid

Avoid freezing.

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

Single dose oral toxicity is considered to be low.

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

Skin Contact

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

A single prolonged exposure is not likely to result in the material being absorbed through skin in 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 eye irritation.

Inhalation

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

12. ECOLOGICAL INFORMATION

Persistence and Degradability

Assessment largely or completely based on data for active ingredient.

Undergoes microbial degradation in the soil. Half-life in soils is dependent on soil type and conditions and is approximately 20-140 days.

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Aquatic Toxicity

Material is slightly toxic to fish on an acute basis (10mg/l <LC50 <100mg/L).

Material is slightly toxic to aquatic invertebrates on an acute basis (10mg/L <LC50 <100mg/L).

Avian Toxicity

Assessment largely or completely based on data for active ingredient.

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

13. DISPOSAL CONSIDERATIONS

Dangerous to fish or other aquatic life. 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.

15. REGULATORY INFORMATION

Hazard Symbol : None required

Risk Phrases : None required.

Safety Phrases : Do not breathe spray. (S23)
Wear suitable gloves and eye/face protection. (S37/39)

16. OTHER INFORMATION

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