

# RIGBY TAYLOR LTD

## PRODUCT SAFETY DATA SHEET: MASALON FUNGICIDE C

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

<b>Marketed By:</b> <b>RIGBY TAYLOR LTD</b> <b>RIGBY TAYLOR HOUSE</b> <b>CROWN LANE</b> <b>HORWICH</b> <b>BOLTON</b> <b>BL6 5HP</b> <b>Tel: 01204 677777</b> <b>Fax: 01204 677715</b>	<b>Manufactured by:</b> <b>DOW AGROSCIENCES LIMITED</b> <b>LATCHMORE COURT</b> <b>BRAND STREET</b> <b>HITCHIN</b> <b>HERTS</b> <b>SG5 1NH</b> <b>Emergency Telephone Number:</b> <b>UK: 0870 600 2999</b> <b>EIRE: 01 821 4999</b>
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**Product Name:** MASALON\* FUNGICIDE : MAPP 12385

LV70: 8089 Issue date: Aug 03 Ref: HH110

\* MASALON Trademark of Dow AgroSciences.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

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

	<b>Concentration</b>		<b>CAS</b>	<b>EC No</b>
Myclobutanil	4.5 %	Xn,N; R22-36-51/53-63	88671-89-0	
Cyclohexanone	<5 %	Xn; R10-20	000108-94-1	203-631-1
Aromatic hydrocarbon solvent	<10 %	Xn; R65, N; R51-53, R66	064742-94-5	265-198-5
Composition code:	GF1619 (GF0987)			

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### 3. HAZARDS IDENTIFICATION:

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

### 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.

**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. Consult a physician if irritation develops.

**Inhalation:** Remove to fresh air. Consult a physician.

**Note to Physician:** 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 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. Combustion products include: Hydrogen chloride. Hydrogen cyanide.

**Protection of fire fighters:** Wear protective clothing and use self-contained breathing apparatus.

**Additional Information:** Cool containers exposed to fire or heat with water spray. Contain runoff to prevent entry into water or drainage systems. Avoid breathing smoke. Work upwind of any spill.

### 6. ACCIDENTAL RELEASE MEASURES:

**Personal Precautions:** Wear appropriate safety clothing and eye/face protection (see Section 8). Remove contaminated clothing immediately, wash skin area with soap and water, and launder clothes before reuse or dispose of properly.

**Environmental Precautions:** Do not wash into sewers or into any body of water. Advise water authority if spillage has entered water or drainage systems.

**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.

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### 7. HANDLING & 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 eye and skin contact.

**Storage:** Product should be stored in compliance with local regulations. Store in a cool, dry, well-ventilated place in the original container. 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:

Myclobutanil: Dow AgroSciences is 1.0mg/m<sup>3</sup>

**Engineering Controls:** Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

**Respiratory Protection:** For most conditions, no respiratory protection should be needed. However, 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. Use chemical resistant gloves classified under standard EN 374: Protective gloves against chemicals and micro-organisms. Examples of preferred glove barrier materials include: Nitrile. Polyvinyl chloride ("PVC" or "vinyl"). Neoprene. Examples of acceptable glove barrier materials include: Neoprene. Avoid gloves made of: Polyvinyl alcohol ("PVA").

When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 3 or higher (breakthrough time greater than 60 minutes according to EN 374) is recommended.

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.

When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material. 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.

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<b>9. PHYSICAL AND CHEMICAL PROPERTIES:</b>
<b>Appearance:</b> viscous liquid
<b>Colour:</b> white
<b>Odour:</b> aromatic
<b>pH:</b> 7.3 (21 deg. C)
<b>Relative Density (water=1):</b> 1.0073 g/cm <sup>3</sup> (20 deg C). (EEC: A3 METHOD)
<b>Flash Point:</b> > 100 deg. C (EEC: A9 METHOD)
<b>Explosive properties:</b> not explosive (EEC: A14 METHOD)
<b>Surface tension:</b> 44.5 mN/m (20 deg.C) (EEC: A5 METHOD)
<b>Oxidising properties:</b> not applicable

<b>10. STABILITY AND REACTIVITY:</b>
<b>Chemical Stability:</b> Is stable under normal storage conditions.
<b>Conditions to avoid:</b> Avoid extremes of temperature.
<b>Materials to avoid:</b> Strong oxidising agents.
<b>Hazardous Decomposition Products:</b> Decomposition products may include and are not limited to: Hydrogen chloride.

<b>11. TOXICOLOGICAL INFORMATION:</b>
Based on data for similar formulation.
<b>Ingestion:</b> Low toxicity if swallowed. The oral LD50 for rats is >2000 mg/kg.
<b>Skin Contact:</b> The dermal LD50 for rabbits is >2000 mg/kg. Prolonged skin contact is unlikely to result in absorption of harmful amounts. Essentially non-irritating to the skin.
<b>Sensitisation:</b> Non-sensitising to guinea pig skin.
<b>Eye Contact:</b> May cause eye irritation.
<b>Inhalation:</b> No adverse effects anticipated by this route of exposure incidental to proper handling.
<b>Additional information:</b> Not carcinogenic. Not mutagenic.
Myclobutanil: This substance is classified as toxic for reproduction category 3 in the EC.

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### 12. ECOLOGICAL INFORMATION

**Persistence and Degradability:** Assessment largely or completely based on data for active ingredient. Half-life in soils is dependent on soil type and conditions and is approximately 66 days.

**Aquatic toxicity:** Based on data for similar formulation.  
Material is expected to be harmful to aquatic organisms (LC50 / EC50 / IC50 between 10 and 100 mg/L in most sensitive species).

**Avian toxicity:** Based on data for similar formulation.  
Acute oral LD50 for bobwhite (*Colinus virginianus*) is > 510mg/kg.

**Additional information:** Based on data for similar formulation.  
LD50 for bees is > 362 microgram/bee.

### 13. DISPOSAL CONSIDERATIONS:

Harmful to aquatic organisms. Do not contaminate ponds, waterways or ditches with chemical or used container. The preferred options are to send to licensed reclaimer or to permitted incinerators. Any disposal practice must be in compliance with all local and national laws and regulations.

### 14. TRANSPORT INFORMATION

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

### 15. REGULATORY INFORMATION

**Hazard Symbol:**  
None required.

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

**Safety Phrases:**  
This material and its container must be disposed of in a safe way (S35).  
Refer to the Product Label for full local Regulatory Authority label precautions.

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**16. OTHER INFORMATION:**

**Risk-Phrases in Section 2:**

R10 – Flammable.

R20 – Harmful by inhalation.

R22 – Harmful if swallowed.

R36 – Irritating to eyes.

R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R63 – Possible risk of harm to the unborn child.

R65 – Harmful: may cause lung damage if swallowed.

R66 – Repeated exposure may cause skin dryness or cracking.

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

**Date of Issue:** August 2003.