

RIGBY TAYLOR LTD

PRODUCT SAFETY DATA SHEET: MASCOT SYSTEMIC C

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

Marketed by: RIGBY TAYLOR LTD RIGBY TAYLOR HOUSE CROWN LANE HORWICH BOLTON LANCASHIRE BL6 5HP Tel: 01204 677777 Fax: 01204 677715	Manufactured by: SUMIAGRO (UK) LTD MERLIN HOUSE FALCONRY COURT BAKERS LANE EPPING ESSEX CM16 5DQ Tel: 01992 563700 Fax: 01992 407333
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Product name: MASCOT SYTEMIC

Description/use of product: An aqueous suspension concentrate containing 500g/litre carbendazim for use as a systemic fungicide on managed amenity turf and to control worm casting.

2. COMPOSITION/INFORMATION ON INGREDIENTS:

Hazardous No	Concentration	Symbol	Risk	CAS No	EC
Ingredients: Carbendazim	500g/litre	Xn	Phrases R68	010605-21-7	234-232-0

3. HAZARDS IDENTIFICATION:

Possible risk of irreversible effects.

4. FIRST AID MEASURES (ACTION)

Inhalation: Remove to fresh air. No specific intervention is indicated, as the compound is not likely to be hazardous by inhalation. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician if necessary.

Skin contact: Wash skin with soap and clean water thoroughly for 15 minutes. Wash contaminated clothing before reuse. This product may cause temporary allergic skin reaction in a few susceptible persons. This condition should be treated as an allergic dermatitis. There is no evidence of after effects or permanent injury.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation develops convey to a hospital Accident/Emergency Department.

Ingestion: Do not induce vomiting. Do not give emetics. Wash out mouth with clean water. Convey patient to a hospital Accident/Emergency Department.

Guide to Doctor: For ingestion of small quantities activated charcoal as an adsorbent at a dosage of 30g in 100ml water may be used. Initial treatment should be symptomatic and supportive.

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5. FIRE FIGHTING MEASURES:

Suitable Extinguishing Media: Carbon dioxide, dry chemical powder, foam or water spray.

Special Hazards: Will not burn but dangerous fumes may be evolved.

Protective Equipment: Self-contained breathing apparatus and protective clothing.

Specific fighting measures: Evacuate personnel to a safe area. Keep personnel away from and upwind of fire. Wear self-contained breathing apparatus. Wear full protective equipment. Use water spray. Runoff from fire control may be a pollution hazard. Cool tank/container with water spray.

6. ACCIDENTAL RELEASE MEASURES:

Precautions: Prevent from entering watercourses or drains. Inform local water plc if spillage enters drains and the Environment Agency (England & Wales), the Scottish Environment Protection Agency (Scotland) or the Environmental and Heritage service (Northern Ireland) if the product enters surface or ground waters. Keep people and animals away.

Protective equipment: Overalls, impervious gloves, rubber boots, face shield or goggles.

Containment: Contain spillages immediately with sufficient absorbent material to absorb all liquid. Sweep into suitable container and store in a safe place until disposal.

Disposal: Dispose of contaminated materials as advised in the MAFF/HSE "Pesticides: Code of Practice for the Safe use of Pesticides on Farms and Holdings."

7. HANDLING & STORAGE:

Handling: Avoid breathing vapours or mist. Avoid breathing dust. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling.

Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Storage: Store in a secure, cool, dry, well-ventilated place away from food, drink and animal feeding stuffs. Keep container tightly closed. Do not allow material to become wet during storage. Provide storage with automatic extinguishing system. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. This product should be segregated from flammable gases and flammable liquids by at least 10 ft. during warehouse storage.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Occupational exposure standard: None.

Precautions: Wear suitable protective clothing (coveralls) suitable protective gloves and face protection (face shield) when handling the concentrate. Wear suitable protective clothing (coveralls) when applying by vehicle mounted equipment. Wear suitable protective clothing (face shield) when handling contaminated surfaces or applying by hand held equipment. Wash hands before meals and after work. Harmful to fish or other aquatic life. Do not contaminate surface waters or ditches with chemical or used container. Keep in original container, tightly closed in a safe place. Wash out container thoroughly, empty washings into spray tank and dispose of safely.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Greyish/white, almost odourless, viscous, homogenous liquid suspension.

Solubility in water: Miscible.

Decomposition temperature: carbendazim begins to visibly decompose at 218^oC.

pH: 6 - 8

Viscosity: Non-viscous

Flash Point: Non-flammable.

10. STABILITY AND REACTIVITY:

Stability: Stable at normal temperatures and storage conditions. Stable for at least two years below 50^oC. Slowly decomposed in alkaline solution.

Conditions to Avoid: Extreme temperatures.

Polymerisation: Polymerisation will not occur.

Materials to Avoid: None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION:

Acute Toxicity:

Oral LD₅₀ : > 2.0 g/kg (rat)

Dermal LD₅₀ : > 2.0 g/kg (rat)

Inhalation LC₅₀ : > 2150mg/m³ (rat)

Skin irritation: Non irritant.

Skin sensitization: Non sensitising.

Eye irritation: Non irritant.

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12. ECOLOGICAL INFORMATION:

Harmful to fish and other aquatic life. Do not contaminate surface waters or ditches with chemical or used container.

Acute effects on aquatic organisms and fishes:

EC₅₀ (48-h) for *Daphnia magna* is 0.19mg/l.

LC₅₀ (96-h) for Rainbow trout is 5.5mg/l.

Toxicity on birds: The acute oral toxicity of carbendazim 500g/l SC to bobwhite quail was found to be in excess of 2000m/kg.

13. DISPOSAL CONSIDERATIONS:

Follow the guidance on the disposal of pesticides as given in the MAFF/HSE "Pesticides: Code of Practice for the safe Use of pesticides on Farms and Holdings.

14. TRANSPORT INFORMATION

UN No: 3082

Packing Group: III

ROAD/RAIL:

ADR/RID Class: 9

ADR/RID Item No: 11(c)

Proper Shipping Name: Environmentally hazardous substance, liquid, N.O.S. (contains 500g/litre carbendazim).

SEA:

IMDG Class: 9

Proper Shipping Name: Environmentally hazardous substance, liquid, N.O.S. (contains 500g/litre carbendazim). Marine Pollutant.

AIR:

ICAO/IATA Class: 9

Proper Shipping Name: Environmentally hazardous substance, liquid, N.O.S. (contains 500g/litre carbendazim). Marine Pollutant.

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15. REGULATORY INFORMATION:

Mascot Systemic is approved under the "Control of pesticides regulations 1986" (MAPP 11335) and labelled accordingly.

Mascot Systemic is classified according to the "Chemicals (Hazard Information and Packaging and Supply) Regulations 2002 (CHIP3). The following apply:

Symbol:

Xn – Harmful

Risk Phrases:

Possible risk of irreversible effects.

Safety Phrases:

Wear suitable protective clothing and gloves.

This material and its container must be disposed of as hazardous waste.

16. OTHER INFORMATION:

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as a guide to safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification, since the conditions of the operations mentioned are beyond our control. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process unless specified in the text. SumIAgro disclaims any liability for loss or damage resulting from the use of these data, information or suggestions.

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