

RIGBY TAYLOR LTD

PRODUCT SAFETY DATA SHEET: MASCOT RAYZOR.

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

Marketed By:

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Trade Name: MASCOT RAYZOR: MAPP 14329

Usage: Fungicide

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment.

Limited evidence of a carcinogenic effect.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Suspension Concentrate (SC)

Iprodione 225g/l SC

Hazardous components

Chemical name	Concentration [%]	Symbol(s)	R-phrase(s)	CAS -No / EINECS-Id
Iprodione	25.00	Xn, N	R40, R50/53	36374-19-7 253-178-9
Polyarylphenyl ether phosphate	>1.00 - <20.0	Xi	R36	90093-37-1
Tributyl phenol polyglycol ether	>0.10 - <2.50	Xn, N	R22, R41 R51/53	9046-09-7
1,2-Propanediol	> 1.00			57-55-6 200-338-0

For the full text of the R phrases mentioned in this Section, see Section 16.

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4. FIRST AID MEASURES

General advice: In the case of an accident or you feel unwell, seek medical advice immediately (show the label where possible).

Skin Contact: Wash off thoroughly with plenty of water and soap, if available with polyethyleneglycol 400, subsequently rinse with water.

Eye Contact: Rinse immediately with plenty of water and soap also under the eyelids, for at least 15 minutes.

Ingestion: If swallowed, seek medical advice immediately and show this container or label.

Notes to Physician:

Treatment: There is no specific antidote. Treat symptomatically. Medical supervision for minimum 48 hours.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Water spray.

Carbon dioxide (CO₂).

Dry powder.

Specific Hazards during Fire Fighting:

In the event of fire the following can be released:

Carbon Monoxide (CO)

Hydrogen chloride (HCl)

Nitrogen oxides (NO_x)

Special Protective Equipment for Fire-Fighters: In the event of fire wear self-contained breathing apparatus.

Further Information: Contain the spread of the fire-fighting media.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment.

Environmental Precautions: Do not allow to get into surface water, drains and ground water. If spillage enters drains leading to sewage works inform local water company immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807 060).

Methods of Cleaning Up: Recover the product by pumping, suction or absorption using a dry and inert absorbent clay. Collect and transfer the product into a properly labelled and lightly closed container. When picked up, treat product and prescribed in Ch. 13 "Disposal Considerations."

Additional Advice: Information regarding safe handling, see section 7. Information regarding personal protective equipment, see section 8. Check also for any local site procedures.

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7. HANDLING & STORAGE

Handling: Advice on safe handling. No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice. Advice on protection against fire and explosion: No special precautions required.

Storage: Requirements for storage areas and containers: Store in a place accessible by authorised persons only. Keep away from direct sunlight.

Advice on Common Storage: Keep away from food, drink and animal feedingstuffs.

Storage Stability:

Other Data: Storage temperature should ideally lie between 0 and 40 °C, however, storage for two weeks at 54 °C has shown no adverse effects regarding product safety or stability.

Temperature tolerance-10 °C.

Suitable Materials: High density polythene.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Refer to COSHH Assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practical. Refer also to COSHH Essentials.

Components with Workplace Control Parameters:

Components	CAS-N0	Control Parameters	Update	Basis
Iprodione	36734-19-7	2mg/m ³		
1,2-Propanediol (Particulate)	57-55-6	10mg/m ³ (TWA)	2007	EH40 WEL
1,2-Propanediol (Total vapour and particulates)	57-55-6	474mg/m ³ /150ppm (TWA)	2007	EH40 WEL

Personal Protective Equipment:

Respiratory Protection: No personal respiratory protective equipment normally required. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

Hand Protection: Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0.40mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.

Eye Protection: Wear goggles conforming to EN166 (Field of Use 5 or equivalent).

Skin and Body Protection: Wear standard coverall and type 6 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

Hygiene measures: Wash hands immediately after work, if necessary take a shower. Smoking, eating and drinking should be prohibited in the application area.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid suspension

Colour: Green

Safety Data:

pH: 3 –5 at 1% (20⁰ C)

Flash Point: > 100⁰ C

No flash point – Determination conducted up to the boiling point.

Density Approx: 1.02g/cm³ at 20⁰ C

Water Solubility: Dispersible

Viscosity, dynamic: 40 – 100 mPa.s at 20⁰ C

10. STABILITY AND REACTIVITY:

Conditions to avoid: Extremes of temperature and direct sunlight.

Hazardous Reactions: No hazardous reactions when stored and handled according to prescribed instructions. Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION:

Acute Oral Toxicity; LD50 (rat) > 2,000 mg/kg.

Acute Dermal Toxicity: LD50 (rat) >2,000 mg/kg.

Skin Irritation: No skin irritation. (rabbit).

Eye Irritation: No eye irritation. (rabbit).

Sensitization: Non-sensitizing.

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects

Toxicity to Fish: LC50 (Rainbow trout (*Oncorhynchus mykiss*) 24mg/l. Exposure time: 96h.

Toxicity to Daphnia: EC50 (Water flea (*Daphnia magna*)) 0.25mg/l. Exposure time: 48h.
The value mentioned relates to the active ingredient.

Toxicity to algae: EC50 (*Scenedesmus subspicatus*) 12.8mg/l. Exposure time: 72h.

13. DISPOSAL CONSIDERATIONS:

Product: In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).

Contaminated Packaging:

Small containers (< 10 l or < 10 kg) should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing three times. Add washings to sprayer at time of filling. Dispose of empty and cleaned packaging safely. Large containers (>25 l or > 25 kg) should not be rinsed or re-used for any other purpose. Return large containers to supplier. Follow advice on product label and/or leaflet.

Waste Key for the Unused product: 020108 agrochemical waste containing dangerous substances.

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14. TRANSPORT INFORMATION ADR/RID/ADNR

UN-No: 3082

Labels: 9

Packaging Group: III

Hazard No: 90

Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IPRODIONE SOLUTION)

IMDG

UN-No: 3082

Class: 9

Packaging Group: III

EmS F-A, S-F

Packaging Group: III

Marine Pollutant. Marine Pollutant.

Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TRIFLOXYSTROBIN)

IATA

UN-No 3082

Class: 9

Packaging group: III

Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IPRODIONE SOLUTION)

UK "Carriage" Regulations

UN-No: 3082

Labels: 9

Packaging group: III

Hazard No: 90

Emergency Action Code: 3Z

Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IPRODIONE SOLUTION)

15. REGULATORY INFORMATION

This product has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) regulations 2002: CHIP3 and any subsequent amendments.

Classification:

Hazard warning labelling compulsory

Hazardous components which must be listed on the label:

Iprodione.

Symbol(s):

Xn- Harmful

N- Dangerous for the environment.

R-Phrase(s):

R40 - Limited evidence of a carcinogenic effect.

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

S-Phrase(s):

S35 - This material and its container must be disposed of in a safe way.

S36/37 - Wear suitable protective clothing and gloves.

S57 - Use appropriate container to avoid environmental contamination.

Exceptional labelling:

To avoid risks to man and the environment, comply with the instructions for use.

Further information:

WHO-classification- III (Slightly hazardous).

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16. OTHER INFORMATION:

Further Information:

Text of R phrases mentioned in Section 3:

R22 – Harmful if swallowed.

R36 – Irritating to eyes.

R40 – Limited evidence of a carcinogenic effect.

R41 – Risk of serious damage to eyes.

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

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

The above information is intended to give general health and safety guidance on the storage and transport of the product. It is not intended to apply the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licences, consents or approvals complied with. The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate at the time of publication and will be updated as and when appropriate. No liability will be accepted for any injury, loss or damage resulting from any failure to take account of the information or advice contained in this safety data sheet. Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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