

# RIGBY TAYLOR LTD

## PRODUCT SAFETY DATA SHEET: MASCOT CONTACT

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

**Marketed By:**  
**RIGBY TAYLOR LTD**  
**RIGBY TAYLOR HOUSE**  
**CROWN LANE**  
**HORWICH**  
**BOLTON**  
**BL6 5HP**  
**Tel: 01204 677777**  
**Fax: 01204 677715**

**Product Name:** MASCOT CONTACT      MAPP 13718  
**Common name of active ingredient:** CHLOROTHALONIL  
**Intended Use:** For use only as a Horticultural Fungicide

### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

#### Chemical Characterisation:

Chemical name	Concentration	Classification	CAS No	EINECS/ ELINCS
Chlorothalonil	40.2% w/w	Car Cat 3: Xn: R40: N: R50, R53	001897-45-6	217-588-1
Propane-1,2-diol	< 10% w/w	-	57-55-6	200-338-0

### 3. HAZARDS IDENTIFICATION

#### Physiochemical:

##### Health:

**General:** Limited evidence of a carcinogenic effect

**Eye Contact:** Irritating to eyes

**Skin Contact:** May cause sensitisation by skin contact. A mild irritant to skin.

**Inhalation:** Harmful by inhalation. Irritating to respiratory system.

##### Environmental: DANGEROUS TO THE ENVIRONMENT

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

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<b>4. FIRST AID MEASURES:</b>
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<b>General Information:</b>
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Chlorothalonil may produce temporary irritant reactions (redness of eyes, mild bronchial irritation, redness or rash on exposed skin). Symptomatic treatment and supportive therapy is indicated.

<b>Ingestion:</b> If swallowed seek medical advice immediately and show the container, label or this data sheet if possible. <i>Do not induce vomiting.</i>
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<b>Eye Contact:</b> Immediately irrigate with eye wash solutions or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.
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<b>Skin Contact:</b> Take off immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water. Such action is necessary to minimise contact with skin. Contaminated clothing should be laundered before re-use. Seek medical attention if irritation persists.
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<b>Inhalation:</b> Remove patient from exposure, keep warm and at rest. Obtain medical attention as a precaution.
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<b>5. FIRE FIGHTING MEASURES:</b>
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<b>General Hazard:</b> Non-combustible.
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<b>Extinguishing Media:</b> Foam, carbon dioxide, dry powder or water fog.
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<b>Extinguishing Media to Avoid:</b> Strong water jet.
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<b>Special Exposure Hazards:</b> Combustion or thermal decomposition will evolve toxic and irritant vapours.
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<b>Protective Equipment:</b> Self-contained breathing apparatus and suitable protective clothing.
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<b>Further Information:</b> Keep fire exposed containers cool by spraying with water. Contain fire water run-off with for example, temporary earth barriers.
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<b>6. ACCIDENTAL RELEASE MEASURES:</b>
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<b>Methods For Cleaning Up:</b> Ensure suitable personal protection during removal of spillages – (see also section 8). This means wearing eye protection, chemically resistant gloves, boots and coveralls. Absorb spillages onto sand, earth or any suitable absorbent material. Transfer into a labelled container for disposal (see also section 13). Wash the spillage area with water. Washings must be prevented from entering surface water drains.
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<b>Environmental:</b> Dangerous for the environment. Spillages or uncontrolled considerations discharge into watercourses must be alerted to the appropriate regulatory body.
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**7. HANDLING & STORAGE:**

**Advice On Safe Use:**  
 Read the label before use.  
 Wear suitable protective clothing (coveralls), suitable protective gloves and face protection (faceshield) when handling the concentrate.  
 Wear suitable protective clothing (coveralls), when applying by vehicle mounted/drawn equipment.  
 Wear suitable protective clothing (coveralls), suitable protective gloves and rubber boots when using a pedestrian controlled sprayer.  
     Wear suitable protective clothing (coveralls) and suitable protective gloves when handling contaminated equipment surfaces.  
     When using do not eat, drinking or smoke.  
     Wash splashes from skin or eyes immediately.  
         Do not breathe spray.  
         This product must only be applied by pedestrian controlled sprayer or vehicle mounted/drawn equipment.  
         Wash hands and exposed skin before eating, drinking or smoking and after work.

**Storage:**  
 Keep away from food, drink and animal feeding stuffs.  
 Keep out of conditions reach of children.  
 Keep in original container, tightly closed in a safe place.  
 Protect from extremes of temperature. Protect from frost.

**Shelf Life:** Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION:**

<b>Exposure Control:</b>			
Chlorothalonil	LTEL 8hr TWA	0.1mg/m <sup>3</sup>	Supplier Data
Propane-1,2-diol	LTEL 8hr TWA	150ppm	474mg/m <sup>3</sup> Vapour & particulates (EH40/2002)
	Propane-1,2-diol (EH40/2002)	LTEL 8hr TWA	10mg/m <sup>3</sup> Particulates

**Engineering Controls:** Ensure adequate ventilation of working area.

**Personal Protection:** Observe normal standards for handling chemicals. Avoid inhalation of dust. Wash hands before breaks and after use. Personal protective equipment is not normally required – gloves can be worn for personal hygiene. In case of accidental spillage of bulk product, wear personal protective equipment appropriate to the task (see below)

**Respiratory Protection:** Respirator, EN149:2001FFP3

**Hand Protection:** Nitrile gloves.

**Eye Protection:** Faceshield, BSEN1663F (minimum)

**Other Protection:** Protective overall and rubber boots.

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<b>9. PHYSICAL AND CHEMICAL PROPERTIES:</b>
<b>Physical Form</b> Liquid
<b>Colour:</b> Light grey
<b>Odour:</b> Slightly pungent
<b>pH:</b> 6.0-8.0
<b>Water Solubility:</b> Miscible
<b>Boiling Point Range:</b> > 100 deg C
<b>Melting Point Range:</b> Not applicable
<b>Flash Point:</b> Does not flash
<b>Flammability:</b> Not applicable
<b>Freezing Point:</b> -5 deg C
<b>Density:</b> 1.23 – 1.26/mg at 25 deg C
<b>Additional Information:</b> None

<b>10. STABILITY AND REACTIVITY:</b>
<b>Chemical Stability:</b> Is stable under normal conditions.
<b>Conditions to avoid:</b> None known.
<b>Materials to avoid:</b> None known.
<b>Hazardous Reactions:</b> None known.
<b>Hazardous Decomposition Products:</b> Combustion or thermal decomposition will evolve toxic and irritant vapours.
<b>Further Information:</b> None.

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<b>11. TOXICOLOGICAL INFORMATION:</b>				
<b>Acute Toxicity (lethal doses)</b>	Oral median lethal dose	Rat	4200mg/k	Low oral toxicity*
	Dermal median lethal	Rabbit	>20000mg/kg	Unlikely to be hazardous by skin contact*
	Median lethal	Rat	>1.96mg/l (4hrs)	Unlikely to cause harmful effects when handled and used as directed on the label.*
<b>Acute Toxicity (irritation, sensitisation etc)</b>				
	Eye irritation	Moderate irritation to rabbit eyes.*		
	Skin Irritation	Mild irritant to rabbit skin.*		
	Skin sensitisation Buehler: It is a skin desensitiser in animal tests*			*
<b>Chronic Toxicological:</b>				
Long term exposure:				
Chlorothalonil is reported as a high dose threshold carcinogenic effect/ long term in rats and mice.				
This is not considered to be a risk to man when handled and used exposure as directed on the label.*				
*Source of Information: Supplier data				

<b>12. ECOLOGICAL INFORMATION</b>				
<b>Acute Toxicity:</b>				
LC <sub>50</sub> (96hr)	0.195mg/l	Rainbow Trout	Chlorothalonil	Supplier information
EC <sub>50</sub> (24hr)	0.882mg/l	Daphnia Magna	Chlorothalonil	Supplier information
EC <sub>50</sub> (72hr)	0.520mg/l	Green Algae	Chlorothalonil	Supplier information
<b>Degradability:</b> Supplier information for Chlorothalonil. There is evidence of rapid degradation in water. There is evidence of degradation in soil.				
<b>Further information:</b> Environmental protection. Do not contaminate surface water or ditches with chemical or used container. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body immediately.				
Do not allow direct spray from horizontal boom sprayers to fall within 5m of the top of the bank of a static or flowing waterbody, unless a Local Environments Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1m of the top of the ditch which is dry at the time of application.				
Do not allow direct spray from hand-held sprayers to fall within 1m of the top of the bank of a static or flowing waterbody. Direct spray away from water.				

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**13. DISPOSAL CONSIDERATIONS:****User:**

Empty containers should not be used for other purposes. Do not contaminate ponds, waterways or ditches with chemical or used containers.

**Surplus Product/Bulk Storage**

Dispose of product concentrate, diluted product and empty containers according to the Code of Practice for the Use of Approved Pesticides in amenity and industrial areas (published by NAAC/NTC).

Disposal should be in accordance with national and local authority regulations, e.g. special waste (Special Waste Regulations) or incineration, after consultation with the operator.

**14. TRANSPORT INFORMATION**

**United Nations number:** UN3082

**UN Packing Group:** 111

**Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains Chlorothalonil 50%).

**Road/Rail:**

ADR/RID Class: 9/111

**Sea:**

IMDG Marine Pollutant

9/3082/111 Classified as a Marine Pollutant

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**15. REGULATORY INFORMATION**

**Classification & Labelling:**  
HARMFUL. DANGEROUS FOR THE ENVIRONMENT.  
This Safety Data Sheet does not form part of the label approved under the Control of Pesticide Regulations 1986.  
Safety data sheet available to professional user on request.  
**To avoid risks to man and the environment, comply with the instructions for use.**

**Current Registration No:** UK MAPP13718

**Risk Phrases:**  
R20:HARMFUL BY INHALATION.  
R36/37: IRRITATING TO EYES AND RESPIRATORY SYSTEM.  
R40: LIMITED EVIDENCE OF CARCINOGENIC EFFECT.  
R43: MAY CAUSE SENSITISATION BY SKIN CONTACT.  
R50: VERY TOXIC TO AQUATIC ORGANISMS.  
R53: MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

**Safety Phrases/Precautions from the label:**  
**Operator Protection:**  
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.  
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying by vehicle mounted/drawn equipment.  
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when using a pedestrian controlled sprayer.  
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when handling contaminated equipment surfaces.  
WHEN USING DO NOT EAT, DRINK OR SMOKE.  
WASH SPLASHES from the skin or eyes immediately  
DO NOT BREATHE SPRAY  
THIS PRODUCT MUST ONLY BE APPLIED by pedestrian controlled sprayer or vehicle mounted/drawn equipment.  
WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking.

**Environmental Protection:**  
DO NOT CONTAMINATE SURFACE WATER OR DITCHES with chemical or used container. DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m of the top of the bank of a static or flowing waterbody, unless a Local Environments Risk Assessment of Pesticides (LERAP) permits a narrower buffer zone, or within 1m of the top of the bank of a static or flowing waterbody. Direct spray away from water.

**Storage and Disposal:**  
KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS  
KEEP OUT OF REACH OF CHILDREN.  
KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.  
WASH OUT CONTAINER THOROUGHLY and dispose of safely.  
DO NOT RE-USE CONTAINER for any purpose.  
When using, do not eat, drink or smoke. This material and container must be disposed of in a safe way. Wear suitable protective clothing and gloves. Use appropriate containment to avoid environmental contamination.

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### 16. OTHER INFORMATION:

#### **Further Information:**

The Control of Substances Hazardous to health Regulations (COSHH) may be applicable to the use of this product.

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#### **Risk Phrases referred to in section 2 for composite ingredients.**

R40: Limited evidence of carcinogenic effect.

R50: Very toxic to aquatic organisms.

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

For further advice authorised persons (e.g. doctor) may contact the National Poisons Information Service Centre:

UK National Number: 0870 600 6266

### **Section 6 of the Health and Safety at Work Act**

#### **Additional Product Safety Information**

This safety data Sheet does not form part of the label approved under the Control of Pesticides Regulations 1986. Following the instructions on the pesticide Product Label for the specified uses should ensure that the product is used safely and efficaciously for those uses.

**The information on this sheet is not a specification and it does not guarantee specific properties.**

**The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product nr where the instructions or recommendations are not followed.**

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