

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

Tradename Mascot Exocet  
Company Identification Company Rigby Taylor Limited, Rigby Taylor House,  
Crown Lane, Horwich, Bolton, Lancashire,  
BL6 5HP  
Phone: 01204 677777  
Fax: 01204 677715  
E-mail: [sales@rigbytaylor.com](mailto:sales@rigbytaylor.com)  
Emergency Phone (NPIS) 0844 8920111 (24hours)

## 2. HAZARDS IDENTIFICATION

Harmful by inhalation. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	EC-No.	Symbol(s)	R-phrase(s)	Concentration
propiconazole	60207-90-1	262-104-4	Xn, N	R22, R43, R50/53	14.3% w/w
Tetrahydrofurfyl alcohol	97-99-4	202-625-6	Xi	R36	40-50% w/w

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

## 4. FIRST AID MEASURES

**General advice:** Have the product container, label or Material Safety Data Sheet with you when calling the emergency number, a poison control centre or physician, or going for treatment.

**Inhalation:** Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or Poison Control Centre immediately.

**Skin contact:** Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

**Ingestion:** If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

**Medical advice:** There is no specific antidote available. Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media:

Extinguishing media - small fires: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media - large fires: Use alcohol-resistant foam or water spray.

**Extinguishing media which must not be used for safety reasons:** Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards during fire fighting:** As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health.

**Special protective equipment for fire fighters:** Wear full protective clothing and self-contained breathing apparatus.

**Further information:** Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Refer to protective measures listed in sections 7 and 8.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up:** Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**Additional advice:** If the product contaminates rivers and lakes or drains inform respective authorities.

## 7. HANDLING AND STORAGE

**Advice on safe handling:** No special protective measures against fire required.

Avoid contact with skin and eyes. When using, do not eat, drink or smoke. For personal protection see section 8. **Requirements for storage areas and containers:** No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

**Other data:** Physically and chemically stable for at least 2 years when stored in the original unopened sales containers at ambient temperatures.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Components with workplace control parameters**

Components	Exposure limit(s)	Value type	Source
propiconazole	8 mg/m <sup>3</sup>	8 h TWA	SYNGENTA

**ENGINEERING MEASURES** Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. If airborne mists or vapours are generated, use local exhaust ventilation controls. Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit. Where necessary, seek additional occupational hygiene advice.

### PERSONAL PROTECTIVE EQUIPMENT

When using this product refer to the label for details. In all other cases, use the following Personal Protective Equipment:

**Protective measures:** The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice. Personal protective equipment should be certified to appropriate standards.

**Respiratory protection:** A combination gas, vapour and particulate respirator may be necessary until effective technical measures are installed. Protection provided by air-purifying respirators is limited. Use a self-contained breathing apparatus in case of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection.

**Hand protection:** Chemical resistant gloves should be used. Gloves should be certified to an appropriate standard. Gloves should have a minimum breakthrough time that is appropriate to the duration of exposure. The breakthrough time of gloves varies according to the thickness, material and manufacturer. Gloves should be changed when breakthrough is suspected. Suitable material: nitrile rubber.

**Eye protection:** If eye contact is possible, use tight-fitting chemical safety goggles and a face shield.

**Skin and body protection:** Assess the exposure and select chemical resistant clothing based on the potential for contact and the permeation / penetration characteristics of the clothing material. Wash with soap and water after removing protective clothing. Decontaminate clothing before re-use, or use disposable equipment (suits, aprons, sleeves, boots, etc.). Wear as appropriate: impervious protective suit.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Yellowish to orange liquid.
<b>Odour:</b>	Aromatic, like solvent
<b>pH:</b>	5 - 9 at 1 %w/v
<b>Flash point: Autoignition temperature:</b>	>105°C at 997 hPa DIN EN 22719 280 °C
<b>Oxidising properties:</b>	not oxidising
<b>Explosive properties:</b>	not explosive
<b>Density: Water solubility: Viscosity, dynamic: Viscosity, dynamic: Surface tension:</b>	1.09 g/ml at 20°C Miscible 59.8 mPa.s at 20°C 25.6 mPa.s at 40°C 38.3 mN/m at 20°C

## 10. STABILITY AND REACTIVITY

**Hazardous decomposition products:** Combustion or thermal decomposition will evolve toxic and irritant vapours.

**Hazardous reactions:** None known. Hazardous polymerisation does not occur. Stable under normal conditions.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute oral toxicity:</b>	LD50 male Rat, > 5,050 mg/kg LD50 female Rat, >4,340 mg/kg GHS-Classification: Category 5 The toxicological data has been taken from products of similar composition.
<b>Acute inhalation toxicity:</b>	LC50 male and female Rat, > 1.08 mg/l, 4 h. GHS-Classification: None The toxicological data has been taken from products of similar composition.
<b>Acute dermal toxicity:</b>	LD50 Rabbit, 2,020 mg/kg GHS-Classification: None The toxicological data has been taken from products of similar composition.
<b>Skin irritation:</b>	Rabbit: Slightly irritating. GHS-Classification: None
<b>Eye irritation:</b>	Rabbit: moderately irritating. GHS-Classification: None
<b>Sensitisation:</b>	Guinea Pig: A skin sensitizer in animal tests. GHS-Classification: Category 1
<b>Long term toxicity:</b>	Did not show carcinogenic, tetraogenic or mutagenic effects in animal experiments.

## 12. ECOLOGICAL INFORMATION

### ELIMINATION INFORMATION (PERSISTENCE AND DEGRADABILITY)

<b>Bioaccumulation:</b>	Propiconazole has low to medium potential to bioaccumulate.
<b>Stability in water:</b>	Propiconazole is stable in water.
<b>Stability in soil:</b>	Propiconazole is not persistent in soil.
<b>Mobility:</b>	Propiconazole has low to medium mobility in soil.

### ECOTOXICITY EFFECTS

**Toxicity to fish:** LC50 *Oncorhynchus mykiss* (Rainbow trout), 25 mg/l, 96h.  
 LC50 *Lepomis macrochirus* (bluegill), 36 mg/l, 96h.  
 GHS-Classification: Category 3

**Toxicity to aquatic invertebrates:** EC50 *Daphnia magna* Straus, 8.5 mg/l, 48 h.  
 GHS-Classification: Category 2

**Toxicity to algae:** EbC50 *Pseudokirchneriella subcapitata* (green algae), 5.6 mg/l, 96h.  
 ErC50 *Pseudokirchneriella subcapitata* (green algae), 44 mg/l, 72h.  
 GHS-Classification: Category 3

### 13. DISPOSAL CONSIDERATIONS

**Product:** Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.

**Contaminated packaging:** Empty remaining contents. Triple rinse containers. Empty containers should be taken for local recycling or waste disposal. Do not re-use empty containers.

### 14. TRANSPORT INFORMATION

Rail / Road / Sea / Air Transport (RID / ADR / IMDG / IATA)	Class	UN Number	Packaging Group
	9	3082	III
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (PROPICONAZOLE)		
Marine pollutant:	Marine pollutant		

### 15. REGULATORY INFORMATION

Classifications / Hazard symbols	Xn N	HARMFUL DANGEROUS FOR THE ENVIRONMENT
<b>Risk phrases (R)</b>	20 43 51/53	Harmful by inhalation. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
<b>Safety phrases (S)</b>	2 13 20/21 24 35 36/37 57	Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. When using, do not eat, drink or smoke. Avoid contact with skin. This material and its container must be disposed of in a safe way. Wear suitable protective clothing and gloves. Use appropriate containment to avoid environmental contamination.
<b>Special label Note</b>	To avoid risks to man and the environment, comply with the instructions for use.	
<b>Note</b>	The preparation is classified as dangerous in accordance with directive 1999/45/EC	

## 16. OTHER INFORMATION

Always read the label. Use pesticides safely.

Product registration number: MAPP 15598

Text of R phrases mentioned in Section 2:

**R22** Harmful if swallowed.

**R36** Irritating to eyes.

**R43** May cause sensitisation by skin contact.

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

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 process, unless specified in the text