



1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY				
Safety Data Sheet For:	FUNGUS CLEAR GUN!			
Common name of active ingredient:	Penconazole			
Intended use:	For use only as a Home Garden Fungicide on roses and other ornamental plants. (NOT for use on edible crops)			
Dilution:	Ready to use			
For further information contact:	Consumer Business Group, The Scotts Company (UK) Limited, Salisbury House, Weyside Park, Catteshall Lane, Godalming, Surrey GU7 1XE. Tel: 01483 410 210			
24 Hour Emergency Telephone Line:	01865 407333			
Date of Introduction:	September 2000			
Date of Withdrawal:	-			
Date of Change:	-			
2. COMPOSITION INFORMATION ON INGREDIENTS (Directive 91/155/EC & 93/112/EC)				
Spec No.	006424			
Ingredient(s)	Composition	CAS No.	Symbols	R Phrases
Penconazole	0.015% w/w	-	-	-
3. HAZARDS IDENTIFICATION				
Classification: (UK COPR)	NOT CLASSIFIED		Symbol(s):	NOT REQUIRED
Ingestion:	Unlikely to cause a problem.			
Eye contact:	Not irritant.			
Skin contact:	Not irritant.			
Skin absorption:	May occur. Unlikely to cause a problem.			
Inhalation:	Unlikely to cause a problem.			
PRECAUTIONS (From the label): KEEP OFF SKIN. WASH HANDS AFTER USE. KEEP AWAY FROM CHILDREN. DO NOT CONTAMINATE ponds or streams. EMPTY CONTAINER COMPLETELY and dispose of safely.				
4. FIRST AID MEASURES				
Ingestion:	Accidental ingestion is unlikely to cause significant toxicity. Patients who ingest the formulation deliberately should be referred for medical assessment.			
Eye contact:	Flush contaminated eyes with a gentle jet of clean water.			
Skin contact:	Remove contaminated clothing and wash affected parts of the body with soap and water.			
Inhalation:	STOP patient working and move to fresh air away from the source of contamination.			
5. FIRE FIGHTING MEASURES				
The product is not flammable. Use a CO ₂ , dry chemical or water fog fire extinguisher. Prevent contamination of waterways and drains.				

6. ACCIDENTAL RELEASE MEASURES

Spillage of Bulk Material: Wearing the protective clothing detailed in section 8: Soak up on absorbant material, such as, sand or vermiculite. Collect up into a labelled container and dispose of via an authorised contractor. Do not allow material to contaminate drains, ditches or waterways.

7. HANDLING AND STORAGE

Shelf life: At least 2 years.
Product packaging: Up to 1 litre HDPE trigger spray.
Special precautions: Protect from frost.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

For normal amateur use: None required.

Precautions (from the label) for normal use of the product:
KEEP OFF SKIN. WASH HANDS AFTER USE.

In case of accidental spillage or in experimental use:

Coverall, faceshield (BS 2092 G1), vapour and dust respirator providing a minimum protection factor of 10 which has HSE type approval, nitrile gloves and rubber boots.

Occupational Exposure Standard(s) EH40:
None

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical nature:	Aqueous liquid	Flash point:	> 100°C
Appearance/odour:	Opalescent liquid / odour of castor oil	Flammability:	Non-flammable
Water solubility:	Soluble	Decomposition temperature:	Not available
Lipid solubility:	Not available	Explosion limits:	Not available
Specific gravity:	0.995	pH:	7-8
Boiling point:	100°C	Other:	None known
Oxidising properties:	None known		

10. STABILITY AND REACTIVITY

Stability (normal conditions): Stable for 2 years.
Conditions to avoid: None known
Incompatible with: None known
Hazardous decomposition products: None known

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀: Product (supplier): (rat; by calculation) 10000 mg/kg
Active ingredient (penconazole): (rat) 2125 mg/kg
Active ingredient (penconazole): (mice) 2444 mg/kg

Ingestion: Product is unlikely to cause a problem.

Acute Dermal LD₅₀: Product (supplier): (rabbit; by calculation) 10000 mg/kg
Active ingredient (penconazole): (rat) >3000 mg/kg

Skin: Product is not an irritant.
Skin absorption may occur. Unlikely to cause a problem.

Eyes: Product is not an irritant

Inhalation LC₅₀ (4h): Product is unlikely to cause a problem.
Active ingredient (penconazole): >4000 mg/m³

Other: None known



12. ECOLOGICAL INFORMATION	<p>All information below is for the active ingredient penconazole:</p> <p>Daphnia LC₅₀ (48h): 7-11 mg/l</p> <p>Fish LC₅₀: (96h): Rainbow trout 1.7-4.3 mg/l. Carp 3.8-4.6 mg/l. Blugill sunfish 2.1-2.8 mg/l.</p> <p>Birds LD₅₀: Japanese quail 2424 mg/kg; Peking duck >3000 mg/kg; Mallard ducks >1590 mg/kg. Bobwhite quail & mallard ducks >5620 ppm.</p> <p>Bees LD₅₀: >5µg/bee (oral & topical)</p> <p>Earthworms LC₅₀: >1000 mg/kg</p> <p>Algae LC₅₀: <i>Scenedesmus subspicatus</i> 3.0 mg/l. <i>Selenastrum capricornutum</i> 0.83 mg/l.</p> <p>Biodegradation: Not available</p> <p>Other: Not available</p> <p>Precautions (from the label): DO NOT CONTAMINATE ponds or streams.</p>
13. DISPOSAL CONSIDERATIONS	<p>User: Place empty container in the domestic refuse.</p> <p>Surplus Bulk Product/Spillage: Via local authority or authorised waste disposal contractor.</p>
14. TRANSPORT INFORMATION	<p>NOT CLASSIFIED</p>
15. REGULATORY INFORMATION	<p>Classification: NOT CLASSIFIED Symbol(s): NOT REQUIRED</p> <p>This product is classified under the Control of Pesticides Regulations 1986</p> <p>PRECAUTIONS (From the label): KEEP OFF SKIN. WASH HANDS AFTER USE. KEEP AWAY FROM CHILDREN. DO NOT CONTAMINATE ponds or streams. EMPTY CONTAINER COMPLETELY and dispose of safely.</p> <p>Current Registration Number: UK MAPP 10154</p> <p>Previous Registration Number(s): None</p>
16. OTHER INFORMATION	<p>For further advice authorised persons (Doctor/Veterinary Surgeon) may contact the National Poisons Information Service Centre:</p> <p>Belfast: 01232 240503</p> <p>Birmingham: 0121 507 5588 or 0121 507 5589</p> <p>Cardiff: 029 2070 9901</p> <p>Dublin: 00 353 1 837 9964 or 00 353 1 837 9966</p> <p>Edinburgh: 0131 536 2300 or 0131 536 1000</p> <p>Leeds: Veterinary only: 01132 450530</p> <p>London: 020 763 59191</p> <p>Newcastle: 01912 820300 or 01912 325131</p> <p>Reference number: SDS No 211</p> <p>Version: 1</p> <p>Date of Sheet: 17th August 2000</p> <p>The appearance of a 'REVISION' stamp and or colour line in the left hand side border of any of the boxes indicates a change in the information to the previous issue.</p> <p>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 nor where instructions or recommendations are not followed.</p>