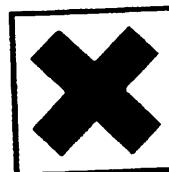


1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name: 'Daconil' ²⁷⁸⁷ TURF
MAFF No: 07929

Company: Miracle Professional
 Salisbury House
 Weyside Park
 Catteshall Lane
 Godalming
 Surrey GU7 1XE



IRRITANT

Phone number: 01483 410210
Emergency phone: 01865 407333

2. COMPOSITION/INFORMATION ON INGREDIENTS

Broad spectrum turf fungicide containing 500 g/l chlorothalonil. An aqueous suspension.

EEC No: 217-588-1 : chlorothalonil

Hazardous ingredient(s)	CAS No.	g/l	Symbol	R Phrases
Chlorothalonil	001897-45-6	500	Xn	R40

3. HAZARDS IDENTIFICATION

Irritating to eyes, respiratory system and skin.
 May cause skin sensitisation in sensitive individual.
Very toxic to fish.

4. FIRST-AID MEASURES

Inhalation Remove patient from exposure, keep warm and at rest.
 Obtain medical attention as a precaution.

Skin Contact Take off immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water. Such action is essential to minimise contact with skin. Contaminated clothing should be laundered before re-use. Seek medical attention if irritation persists.

Eye Contact Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.

Ingestion If swallowed seek medical advice immediately and show the container, label or this Data Sheet, if possible.
Do not induce vomiting.

Medical Advice:

Chlorothalonil may produce temporary allergic reactions (redness of eyes, mild bronchial irritation, redness or rash on exposed skin.) Antihistamines or steroid creams are effective treatment. Symptomatic treatment and supportive therapy as indicated.

5. FIRE-FIGHTING MEASURES

Non-combustible.
 Keep fire exposed containers cool by spraying with water.

Extinguishing media

Small fires: use foam, carbon dioxide or dry powder extinguishant.

Large fires: use foam or water-fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers.

Protective Equipment:

Self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal protection: Ensure suitable personal protection during removal of spillages. This means wearing eye protection, chemically resistant gloves, boots and coveralls.

Clean up methods: Absorb spillages onto sand, earth or any suitable absorbent material. Transfer to a container for disposal. Wash the spillage area with water. Washings must be prevented from entering surface water drains.
 Spillages or uncontrolled discharge into water courses must be alerted to the appropriate regulatory body.

7. HANDLING AND STORAGE					
7.1 Handling					
Read the label before use.					
Avoid contact with skin and eyes. Do not breathe spray. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.					
7.2 Storage					
Keep in original container, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs. Protect from extremes of temperature. Protect from frost.					
Storage 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					
Personal precautions: Not required when used as directed on the label.					
Occupational Exposure Limits: Not applicable to field use.					
	LTEL 8hr TWA		STEL		Time
Hazardous ingredient(s)	ppm	mg/m³	ppm	mg/m³	min
Chlorothalonil		0.1			
9. PHYSICAL AND CHEMICAL PROPERTIES					
Form:	liquid		Colour:	light grey	
Odour:	not available		pH (Value)	6.0 - 8.0	
Boiling point (°C):	not available		Melting point (°C):	not available	
Auto Ignition Temp (°C):	not available		Flash Point (°C):	not available	
Explosive Properties:	not applicable		Oxidising Properties:	not applicable	
Vapour Pressure (mm Hg):	not available		Solubility (Water):	miscible	
Freezing point (°C)	-5		Density (g/ml):	1.23 - 1.26 at 25°C	
10. STABILITY AND REACTIVITY					
Hazardous Decomposition Product(s): Combustion or thermal decomposition will evolve toxic and irritant vapours.					
11. TOXICOLOGICAL INFORMATION					
Inhalation:	High concentration of mist may be irritant to the respiratory tract.				
Skin Contact:	Slight/mild irritant to rabbit skin. May cause skin sensitisation in sensitive individuals. Dermal Median Lethal Dose >20,000 mg/kg (rabbit). Repeated and/or prolonged contact may cause skin irritation and may increase the possibility of allergic reactions.				
Eye Contact:	Severe eye irritant. May cause serious damage to eyes.				
Ingestion:	Low oral toxicity. Oral Median Lethal Dose >4200 mg/kg (rat)				
12. ECOLOGICAL INFORMATION					
Toxicity:	This ecological assessment is calculated from data available on the components of the formulation. <i>Very toxic to fish.</i> LC ₅₀ rainbow trout (96 hours) approx 0.1 mg/l (by calculation).				
13. DISPOSAL CONSIDERATIONS					
Empty containers should not be used for other purposes. Do not contaminate ponds, waterways or ditches with chemical or used containers. 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 local or national legislation.					
14. TRANSPORT INFORMATION					
UN No.:	3082				
ROAD/RAIL:	ADR/RID Class	Not applicable			
SEA:	IMDG Class - primary:	9 MISCELLANEOUS DANGEROUS SUBSTANCES			
	Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains chlorothalonil 50%)			
	Marine Pollutant:	Classified as a Marine Pollutant.			
	UN Packing Group Sea:	III			

15. REGULATORY INFORMATION

Classification:	IRRITANT	
Hazard Symbol:	Xi	
Risk Phrases:	R36/3738	Irritating to eyes, respiratory system and skin.
	R41	Risk of serious damage to eyes.
Safety Phrases	S2	Keep out of reach of children.
	S13	Keep away from food, drink and animal feeding stuffs.
	S20/21	When using do not eat, drink or smoke.
	S37/39	Wear suitable gloves and eye/face protection.
	S23	Do not breathe spray.

This product has been labelled in accordance with the Control of Pesticides Regulations, 1986. Users should ensure that they comply with any relevant local or national legislation.

The (COSHH) Control of Substances Hazardous to Health Regulations 1994 may apply to the use of this product at work.

16. OTHER INFORMATION

This product was previously marketed by Zeneca Professional (MAFF 06867) and by ICI (MAFF 03658).

This data sheet was prepared in accordance with Directives 91/155/EEC and 93/112/EC.

Use: For use only as a turf fungicide

Product packed in 2 or 3 litre HDPE containers.

'Daconil' 2787 is a trade mark of ISK Biosciences Ltd.

The information on this sheet is not a specification, 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.