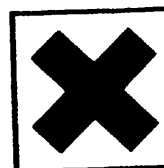


1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name: 'Enforcer'
MAFF No: 07866

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

Phone number: 01483 410210
Emergency phone: 01865 407333



IRRITANT

2. COMPOSITION/INFORMATION ON INGREDIENTS

A chlorophenol fungicide and mosskiller. An aqueous solution containing 360 g/l of dichlorophen.

Hazardous ingredient(s)	CAS No.	g/l	Symbol	R Phrases
Dichlorophen	000097-23-4	360	Xn	R22 R36

3. HAZARDS IDENTIFICATION

May cause burns to skin and eyes.

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.

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: Symptomatic treatment and supportive therapy as indicated.

5. FIRE-FIGHTING MEASURES

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 precautions: 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. Wear suitable protective clothing.

Avoid contact with skin and eyes. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking. Do not breathe spray mist.

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.

Can corrode metals - wash spray off metals immediately. Unsuitable containers: aluminium, galvanised steel.

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 protection: When using this product refer to the label for details.

Occupational Exposure Limits: Not applicable to field use.

Hazardous ingredient(s)	LTEL 8hr TWA		STEL		Time min
	ppm	mg/m ³	ppm	mg/m ³	
No Occupational Exposure Limit Assigned					

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid	Colour:	red
Odour:	phenolic	pH (Value)	13 approx.
Boiling point (°C):	not available	Melting point (°C):	not available
Auto Ignition Temp (°C):	not available	Flash Point (°C):	does not flash
Explosive Properties:	not applicable	Oxidising Properties:	not applicable
Vapour Pressure (mm Hg):	not available	Solubility (Water):	miscible
Partition Coefficient:	not available	Density (g/ml):	1.2

10. STABILITY AND REACTIVITY

Hazardous Reactions: Can react with aluminium, zinc.

Hazardous Decomposition Product(s): Combustion or thermal decomposition will evolve toxic and irritant vapours.

11. TOXICOLOGICAL INFORMATION

This health hazard assessment is based on a consideration of the composition of this product.

Inhalation: Unlikely to cause harmful effects under normal conditions of handling and use.

Skin Contact: May cause burns.

Eye Contact: Will cause eye irritation.

Ingestion: Low oral toxicity.
Oral Median Lethal Dose >2000 mg/kg (rat)

12. ECOLOGICAL INFORMATION

Toxicity: This ecological assessment is calculated from data available on the components of the formulation.

Toxic to fish.

LC₅₀ rainbow trout (48 hour) approx 1.5 mg/l.

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 (NAAC/NTC).

Disposal should be in accordance with local or national legislation.

14. TRANSPORT INFORMATION

UN No.: 1760

UN Pack .Group: III

ROAD/RAIL: ADR/RID Class 8
ADR/RID Item No: 42 (c)
AIR: ICAO/IATA Class - primary 8 CORROSIVE SUBSTANCE

SEA: IMDG Class - primary: 8 CORROSIVE SUBSTANCE
Proper Shipping Name: CORROSIVE LIQUID, N.O.S. (contains dichlorophen)

15. REGULATORY INFORMATION

Classification: CORROSIVE

Hazard Symbol: C

Risk Phrases: R34 Causes burns.

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.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

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.

16. OTHER INFORMATION

This product was previously marketed by Zeneca (MAFF 7079).

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

Use: A mosskiller and fungicide.

Product packed in 5 litre HDPE containers.

'Enforcer' is the property of Miracle Garden Care Limited.

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.