

**SUPER MOSSTOX**

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Version 1 / GB
102000002250

Revision Date: 26.03.2004

Print Date: 26.03.2004

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**Product information**

Trade name	SUPER MOSSTOX
Product code (UVP)	05933536
Product code (EXP)	10071A
Specification	19939
Usage	fungicide
Company	Bayer Environmental Science Durkan House 214-224 High Street Waltham Cross Hertfordshire EN8 7DP Great Britain
Telephone	+44(0)1992 784270
Telefax	+44(0)1992 784276
Emergency telephone number	0800-220876 (UK only) +44(0)1223-870312

2. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**Soluble concentrate (SL)
Dichlorophen 360 g/l**Hazardous components**

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrases(s)	Concentration [%]
Dichlorophen	97-23-4	Xn, N	R22, R36, R50/53	28.00
Sodium hydroxide	1310-73-2 215-185-5	C	R35	< 10.00

3. HAZARDS IDENTIFICATION**Risk advice to man and the environment**Harmful if swallowed.
Causes severe burns.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**4. FIRST AID MEASURES****General advice**

Remove contaminated, soaked clothing immediately and dispose of safely. Take victim immediately to hospital.

Inhalation

Move the patient to fresh air and keep at rest. Seek medical advice immediately.



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Skin contact

Wash off immediately with plenty of water for at least 15 minutes. Seek medical advice immediately.

Eye contact

Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Seek medical advice immediately.

Ingestion

Do not induce vomiting. Wash out mouth with water. Keep at rest. Seek URGENT medical advice.

Notes to physician

Symptoms

Local: Burning sensation, severe irritation, redness

Symptoms

Systemic: Nausea and stomach pain may occur., There may be vomiting., There may be soreness and redness of the mouth and throat.

Treatment

Local treatment:

Initial treatment should be symptomatic and supportive.

Treatment

Systemic treatment:

Initial treatment should be symptomatic and supportive.

If conscious give 1 pint (560 ml) of water to drink immediately.

Keep airway clear, administer artificial respiration if necessary.

In case of shortness of breath, give oxygen.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

water spray
alcohol-resistant foam
dry chemical
carbon dioxide (CO₂)

Extinguishing media which must not be used for safety reasons

Product itself is non-combustible; fire extinguishing measures to suit surroundings.

Specific hazards during fire fighting

In case of fire the evolution of dangerous gases is possible.

Special protective equipment for fire-fighters

In the event of fire and/or explosion do not breathe fumes.

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat.

Whenever possible, contain fire-fighting water by bunding area with sand or earth.

6. ACCIDENTAL RELEASE MEASURES



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Personal precautions

Avoid contact with spilled product or contaminated surfaces.
When dealing with a spillage do not eat, drink or smoke.

Environmental precautions

Keep people and animals away.
Do not discharge into the drains/surface water/groundwater.
If spillage enters drains leading to sewage works inform local water company immediately.
If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

Methods for cleaning up

Take up with absorbent material (e.g. sand, earth or a proprietary absorbent material).
Transfer collected material to heavy duty plastic drums and keep safe for disposal.
Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations

Additional advice

Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.
Check also for any local site procedures.

7. HANDLING AND STORAGE

Handling

Advice on safe handling

No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.
Use only in area provided with appropriate exhaust ventilation.

Advice on protection against fire and explosion

No special precautions required.

Storage

Requirements for storage areas and containers

Keep containers tightly closed in a cool, well-ventilated place.
Store in a place accessible by authorized persons only.

Further information on storage conditions

Keep away from direct sunlight.
Protect against frost.

Storage stability

Storage temperature 0 - 30 °C

Suitable materials

Keep in original packaging, tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Refer to COSHH assessment (Control of substances Hazardous to Health Regulations 1999 as amended). Engineering controls should be used in preference to personal protective equipment wherever practicable.

Personal protective equipment



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Respiratory protection	No personal respiratory protective equipment normally required.
Hand protection	PVC or nitrile rubber gloves
Eye protection	Chemical resistant goggles must be worn.
Skin and body protection	Light protective clothing, PVC PVC boots

Hygiene measures

- When using, do not eat, drink or smoke.
- Remove soaked clothing immediately.
- Remove soiled clothing immediately.
- Clean hands and face at work intervals and after work.
- Work in an adequately ventilated room.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	Liquid
Colour	red to brown
Odour	phenolic

Safety data

pH	ca. 13
Density	ca. 1.22 g/cm ³ at 20 °C
Water solubility	miscible
Other information	The product is not combustible.

10. STABILITY AND REACTIVITY

Conditions to avoid	Extremes of temperature and direct sunlight.
Materials to avoid	aluminium zinc
Hazardous reactions	Reactions with metals, with evolution of hydrogen. Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 (rat) < 2,000 mg/kg
Acute dermal toxicity	LD50 (rat) > 2,000 mg/kg
Skin irritation	corrosive (rabbit)



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Eye irritation corrosive (rabbit)

Further information
Information given is based on data on the components and the toxicology of similar products

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability The value mentioned relates to the active ingredient dichlorophen.
The product is not readily biodegradable according to OECD criteria
but is inherently biodegradable.

Ecotoxicity effects

Toxicity to fish LC50 0.8 mg/l
Exposure time: 96 h
The value mentioned relates to the active ingredient dichlorophen.

13. DISPOSAL CONSIDERATIONS

Product

In accordance with current regulations may be taken to waste disposal site or incineration plant,
after consultation with site operator and/or with the responsible authority
Can be landfilled or incinerated, when in compliance with local regulations.
Advice may be obtained from the local waste regulation authority (part of the Environment
Agency in the UK).

Contaminated packaging

Packaging that cannot be cleaned should be disposed of as product waste.
Empty containers can be landfilled after cleaning, when in compliance with the Environmental
Protection (Duty of Care) Regulations 1991.

Waste key for the unused product

020108 agrochemical waste containing dangerous substances

14. TRANSPORT INFORMATION

ADR/RID/ADNR

UN-No	1760
Labels	8
Packaging group	II
Hazard no.	80
Description of the goods	UN 1760 CORROSIVE LIQUID, N.O.S. (DICHLOROPHEN, SODIUM HYDROXIDE SOLUTION)

IMDG

UN-No	1760
Class	8
Packaging group	II
Marine pollutant	Marine pollutant
Description of the goods	CORROSIVE LIQUID, N.O.S (DICHLOROPHEN, SODIUM HYDROXIDE SOLUTION)

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UN-No	1760
Class	8
Packaging group	II
Description of the goods	CORROSIVE LIQUID, N.O.S (DICHLOROPHEN, SODIUM HYDROXIDE SOLUTION)

CDG CPL

UN-No	1760
Class	8
Packaging group	III
Hazard identification number	80
Emergency action code	2X
Proper shipping name	CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)

15. REGULATORY INFORMATION

This product has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP 3.

Hazardous components which must be listed on the label:

- Dichlorophen
- Sodium hydroxide

Symbol(s)

C	Corrosive
N	Dangerous for the environment

R-phrase(s)

R22	Harmful if swallowed.
R35	Causes severe burns.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S35	This material and its container must be disposed of in a safe way.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S57	Use appropriate containment to avoid environmental contamination.

Exceptional labelling of special preparations

Restricted to professional users.
To avoid risks to man and the environment, comply with the instructions for use.

Further information

WHO-classification: II (Moderately hazardous)

16. OTHER INFORMATION**Further information**

Text of R phrases mentioned in Section 2:

R22 Harmful if swallowed.



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R35	Causes severe burns.
R36	Irritating to eyes.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Changes since the last version will be highlighted in the margin. This version replaces all previous versions.