

SAFETY DATA SHEET

SUPER MOSSTOX

19939 2.00 GB Current 05.07.2002

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Trade Name	SUPER MOSSTOX
Product (Specification) Code	19939
Aventis CropScience Product Code	None known.
Usage	Solution concentrate (water based) Fungicide
Appearance	Flowable red / brown liquid .
Manufacturer/Supplier	Bayer Environmental Science
Address	Durkan House 214-224 High Street Waltham Cross Hertfordshire EN8 7DP
Phone Number	01992 784270
Fax Number	01992 784276
Emergency Phone Number	0800 220876 (24 hr UK) +44 1603 242424 (24 hr Overseas)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components in Product for EC

Component Name	CAS No	Conc. %w/w	R Phrases	Classification
1. Dichlorophen	97-23-4	28.00 as free acid	R22, R36	Xn
2. Sodium hydroxide	1310-73-2	< 10.00	R35	C

3. HAZARDS IDENTIFICATION

Main Hazards	Harmful if swallowed. Causes severe burns.
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4. FIRST-AID MEASURES

Eyes	In case of eye contamination, rinse immediately with water for at least 15 minutes and obtain URGENT medical advice.
Skin	Carefully remove contaminated clothing. Wash affected area with soap and water. Seek URGENT medical advice.
Ingestion	Wash out mouth with water. Do not induce vomiting. Keep patient at rest and seek URGENT medical aid.
Inhalation	If inhaled, remove to fresh air and keep at rest. Obtain medical aid if at all worried.
Advice to Physicians	Brief Summary of Symptoms and Signs: Local Contamination: Causes severe burns to the skin and eyes which may result in permanent eye damage. Systemic Poisoning: If swallowed causes severe burns to gastrointestinal tract. Treatment: Local Contamination: Symptomatic after decontamination. Skin and eye irritation require irrigation with water and referral for specialist advice. Systemic Poisoning: Initial treatment should be symptomatic and supportive. In cases of ingestion seek urgent gastroenterological advice. Further advice is available from; Bayer Environmental Science via the emergency telephone number above or from the nearest Poisons Unit.

5. FIRE-FIGHTING MEASURES

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5. FIRE-FIGHTING MEASURES (continued)

Extinguishing Media	Product is not combustible. If product is involved in a fire, use waterspray, foam, dry powder, carbon dioxide or sand.
Unsuitable Extinguishing Media	None.
Special Exposure Hazards	May give off toxic fumes if heated to decomposition.
Protective Equipment for Fire-Fighting	Wear self contained breathing apparatus. Do not breathe fumes.
Fire Fighting Guidance	If possible and without risk, remove intact containers from exposure to fire. Otherwise, spray unopened containers with water to keep cool. Whenever possible, contain fire-fighting water by bunding area with sand or earth.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with spilled material or contaminated surfaces. If ordinary clothing becomes contaminated remove it immediately. When dealing with the spillage do not eat, drink or smoke and wear personal protective clothing as detailed in Section 8.
Environmental Precautions	Keep people and animals away. Prevent entry into drains, sewers and watercourses. In the UK if spillage enters drains leading to sewage works inform local water company plc immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060). Overseas, inform the appropriate authority immediately.
Spillages	Contain/absorb spillage in sand/earth or in a suitable inert material. Transfer collected material to heavy duty plastic drums and keep safe for disposal.
Note	Check also for any local site procedures in force.

7. HANDLING AND STORAGE

Handling	No specific precautions required when handling unopened containers; follow any relevant manual handling guidance. Refer to Section 8 if exposure to product is possible. Wash thoroughly with soap and water after handling and before eating, drinking or smoking.
Storage	Store in original packs/containers in a dry secure area designated for pesticides with access for authorised staff only. Store away from seeds, fertilizers and animal feedstuffs.
Technical Storage Measures	Protect from frost.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards	
1. Product	None assigned.
Engineering Control Measures	Refer to any applicable COSHH assessments. Engineering controls should be used where practicable in preference to personal protection.
Respiratory Protection	None required when handling the product.
Hand Protection	Wear chemical resistant PVC or nitrile gloves.
Eye Protection	Wear safety goggles with unperforated side shield or goggles (conforming to BS EN 166 or BS 2092 for older goggles).
Other	Wear PVC or chemical resistant disposable overalls and PVC boots.
Other Information	If feasible, decontaminate protective clothing before removal. Where decontamination is not feasible (before or after removal) dispose of as contaminated waste.

9. PHYSICAL AND CHEMICAL PROPERTIES

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9. PHYSICAL AND CHEMICAL PROPERTIES (continued)

Physical State	Liquid.
Colour	Red Brown.
Odour	Phenolic.
pH	ca. 13
Boiling Range/Point (deg C)	Not determined.
Melting Point/Freezing Point (deg C)	Not determined.
Flash Point (deg C)	Non-combustible.
Explosion Limits (%)	None.
Solubility in Water	Miscible.
Vapour Pressure	Not determined.
Density (g/ml)	1.22 at 20 °C.
Flammability	Not combustible
Auto-flammability (deg C)	Not applicable
Explosive Properties	None.
Oxidising Properties	None.
Vapour Density (Air = 1)	As for water
Dust Explosion Data	Not applicable
Summary/Other Data	A non-combustible liquid.

10. STABILITY AND REACTIVITY

Stability	Stable at ambient conditions.
Conditions to Avoid	None.
Materials to Avoid	None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Inhalation	Low toxicity.
Skin and Eye Contact	Liquid will cause severe burns.
Ingestion	Harmful if swallowed.
Carcinogenicity	No data.
Genotoxicity	No data.
Reproductive Toxicity	No data.

12. ECOLOGICAL INFORMATION

Mobility	No data.
Persistence/Degradability	Data given in this section are for the active ingredient: The product is partially or slowly biodegradable.
Bio-accumulation	No data.
Aquatic Toxicity	Data given in this section are for the active ingredient: Toxic to fish.

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12. ECOLOGICAL INFORMATION (continued)

Other Toxicity No data.

13. DISPOSAL CONSIDERATIONS


Product Disposal Disposal of product would usually be by incineration in an appropriately licensed commercial incinerator. Small quantities may be accepted in licensed landfill sites. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK). In the UK disposal arrangements should be in accordance with the Duty of Care Regulations and, where applicable, with the Special Waste Regulations.

Container Disposal Lightly contaminated packaging may be acceptable for landfill, otherwise incineration will be required. See above for advice.

14. TRANSPORT INFORMATION

UN Number 1760
UN Proper Shipping Name Corrosive liquid, n.o.s. (contains sodium hydroxide)
UN Class 8
UN Packaging Group III
ADR/RID - Description 1760, Corrosive liquid, n.o.s (contains sodium hydroxide) 8, 66*(c), ADR
CDG(CPL) - Description 1760, Corrosive liquid, n.o.s (contains sodium hydroxide).
Class: 8.
Hazard Identification Number: 80.
Packing Group: III.
IMDG - Proper Shipping Name As for UN.
IMDG - Ems Number 8 - 06
IMDG - MFIAG Table Number 760
ICAO - Proper Shipping Name As for UN.

15. REGULATORY INFORMATION

Risk symbol  Irritant

Hazard Classification Xi - Irritant

Designated Name Super Mosstox (contains dichlorophen 340 g/l and sodium hydroxide)

R phrases 36/38-Irritating to eyes and skin.

S phrases 26-In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 36/37-Wear suitable protective clothing and gloves. 45-In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Control of Pesticides Regulations 1986: Precautions WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when opening containers and diluting or mixing the concentrate. WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND RUBBER BOOTS when using hand-held spraying equipment. WASH SPLASHES from skin or eyes immediately. WHEN USING DO NOT EAT, DRINK OR SMOKE. KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

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15. REGULATORY INFORMATION (continued)

Note	KEEP OUT OF REACH OF CHILDREN. WASH HANDS before meals and after work. DANGEROUS TO FISH OR OTHER AQUATIC LIFE. Do not contaminate surface waters or ditches with chemical or used container. KEEP UNPROTECTED PERSONS AND ANIMALS OUT OF TREATED AREAS for 48 hours or until dry. KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place. WASH OUT CONTAINER THOROUGHLY and dispose of safely. The labelling information above is that which has been approved under 'The Control of Pesticide Regulations 1986' and may differ from that indicated by any toxicological and/or other testing otherwise indicated in this 'Safety Data Sheet' If you require any further clarification please contact Bayer Environmental Science via the phone number quoted elsewhere in this 'Safety Data Sheet'.
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16. OTHER INFORMATION

MSDS first issued	8 December 2000
MSDS data revised	5 July 2002
Revisions Highlighted	Main Hazards First Aid - Eyes First Aid - Skin First Aid - Ingestion Advice to Physicians Colour Odour pH Density (kg/m3) Appearance Skin and Eye Contact Ingestion Persistence/Degradability UN Number UN Proper Shipping Name UN Class ADR/RID - Description IMDG - Proper Shipping Name IMDG - EmS Number IMDG - MFAG Table Number CDG(CPL) - Description Note Designated Name
Footnote	This Safety Data Sheet was prepared in compliance with Commission Directive 93/112/EC, 67/548/EEC and 88/379/EEC as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.
Disclaimer	The above information is intended to give general health and safety guidance on the storage and transport of the substance or product to which it relates. It is not intended to apply to the use of the substance or product for which purposes the substance or product label and any appropriate technical usage literature available should be consulted and any relevant licences, 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

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16. OTHER INFORMATION (continued)

information or advice contained in this safety data sheet.
