

SAFETY DATA SHEET

Product: Mossicide

Issued: 26/03/04
Revision No: 2
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1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY/UNDERTAKING.

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Product name: MOSSICIDE

Description/use of product: A soluble concentrate containing 360 g/litre dichlorophen as the sodium salt for the control of moss and fungi on masonry and moss in lawns.

2. COMPOSITION/INFORMATION ON INGREDIENTS.

Hazardous ingredients	Concentration	Symbol	Risk phrases	CAS No.	EC No.
Dichlorophen	28%	Xn, Xi, N	R22, R36, R50/53	000097-23-4	202-567-1
Sodium hydroxide	8.6%	C	R35	001310-73-2	215-185-5

3. HAZARDS IDENTIFICATION.

Main hazards: Harmful if swallowed. Causes severe burns. Very toxic to aquatic organisms, may cause long-term effects in the aquatic environment.

4. FIRST AID MEASURES.

Skin contact: Symptoms:

There may be irritation and redness at the site of contact.

Action:

Remove all contaminated clothes and footwear immediately unless stuck to the skin. Drench the affected skin with running water for 10 minutes or longer if the substance is still on the skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact: Symptoms:

There may be irritation and redness.

Action:

Immediately flush eyes with plenty of water for at least 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Symptoms:

Nausea and stomach pain may occur. There may be vomiting. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation.

Ingestion:

Do not induce vomiting. If conscious, give 1 pint of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in recovery position. Transfer to hospital as soon as possible.

Inhalation: Symptoms:

Nausea and pain may occur. There may be vomiting.

Action:

Remove the casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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5. FIRE FIGHTING MEASURES.

Extinguishing media: Carbon dioxide. Water spray.

Exposure hazards: In combustion emits toxic fumes.

Protective equipment: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES.

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions: Contain the spillage using bunding. Do not discharge into drains or rivers. If this cannot be avoided the appropriate authorities should be informed.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE.

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

Storage conditions: Store in a cool, well-ventilated area. Keep container tightly closed. Keep temperature above 5°C. Avoid incompatible materials and conditions – see section 10 of SDS.

Suitable packaging: Polyethylene.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus if handling a mist, otherwise general ventilation.

Hand protection: Gloves (alkali-resistant)

Eye protection: Safety goggles. Face-shield.

Skin protection: Alkali resistant protective clothing. Boots made of PVC.

9. PHYSICAL AND CHEMICAL PROPERTIES.

State: Liquid.

Colour: Red-brown

Odour: Characteristic odour.

Solubility in water: Miscible

Relative density: 1200 to 1230 kg/m³

pH: ~13

10. STABILITY AND REACTIVITY.

Stability: Stable under normal conditions.

Materials to avoid: Zinc. Aluminium.

Hazardous decomposition products: Hydrogen chloride, carbon monoxide.

11. TOXICOLOGICAL INFORMATION.

Effects of exposure: Nausea

Ingredient 2: SODIUM HYDROXIDE: Intraperitoneal, mouse LD₅₀ 40 mg/kg

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12. ECOLOGICAL INFORMATION.

Ecotoxicity: MOSSICIDE
Dichlorophen Fish 96 hr LC₅₀ 40 mg/kg

Mobility: Soluble in water.

Persistence and degradability: Expected to be slowly but ultimately biodegradable.

Other adverse effects: Highly toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS.

Follow the guidance on the disposal of pesticides as given in the MAFF/HSE "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings".

14. TRANSPORT INFORMATION.

UN No: 1760

Packing group: III

ROAD/RAIL

ADR/RID Class: 8

Hazard ID No: 80

Labelling: 8

Proper shipping name: Corrosive Liquid, N.O.S. (sodium hydroxide & dichlorophen)

SEA

IMDG Class: 8

EmS: 8-15

Proper shipping name: Corrosive Liquid, N.O.S. (sodium hydroxide & dichlorophen)

AIR

ICAO/IATA Class: 8

Packing instructions: 820

Proper shipping name: Corrosive Liquid, N.O.S. (sodium hydroxide & dichlorophen)

Customs tariff no: 290810-00-00

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15. REGULATORY INFORMATION.

Mossicide is approved under the "Control of Pesticides Regulations 1986" (MAFF 09606) and labelled accordingly.

Mossicide is classified according to the "Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP3). The following apply:

Hazard symbols: C, N



CORROSIVE



**DANGEROUS FOR
THE ENVIRONMENT**

Risk phrases: Harmful if swallowed.

Causes severe burns.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

After contact with skin, wash immediately with plenty of water.

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

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION.

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification, since the conditions of the operations mentioned are beyond our control. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text. SumiAgro disclaims any liability for loss or damage resulting from the use of these data, information or suggestions.