



Material Safety Data Sheet

According to EC Directive 1907/2006

Print date: 12-Oct-2007

Revision Number: 0

Revision date:

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

Identification of the substance or preparation

MSDS Ref. No.: SCSDS542
Product name: Daconil Weatherstick

Use of the Substance/Preparation

Recommended use: For use only as a horticultural fungicide.

Company/Undertaking Identification
Emergency telephone number:

- Scotts UK Professional, Paper Mill Lane, Bramford, Ipswich, Suffolk IP8 4BZ United Kingdom
- ++44 (0) 1865 407333

2. HAZARDS IDENTIFICATION

Classification

Xn - Harmful
N - Dangerous for the environment

Most important hazards

Harmful by inhalation.
Limited evidence of a carcinogenic effect
May cause sensitization by skin contact
Irritating to eyes and respiratory system.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation

| Components | CAS-No | Weight % | EC-No. | Classification |
|------------------|-----------|----------|--------------|---|
| Chlorothalonil | 1897-45-6 | > 25% | 608-014-00-4 | Carc Cat 3: R40, T+:R26, Xi: R41, Xi: R37, R43 N;R50-53 |
| Propylene glycol | 57-55-6 | 10 - 25% | RM1000451 | NE |

For the full text of the R phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

| | |
|------------------------|--|
| General advice: | In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). |
| Ingestion: | If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting. |
| Inhalation: | Move to fresh air. If not breathing, give artificial respiration. Call a physician or Poison Control Centre immediately. |
| Skin contact: | Wash off immediately with plenty of water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician. |
| Eye contact: | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required. |

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Carbon dioxide (CO₂). Water spray. alcohol-resistant foam. dry chemical.

Unsuitable extinguishing media:

High volume water jet

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases:

Thermal decomposition can lead to release of irritating gases and vapours.

Special protective equipment for firefighters:

Use personal protective equipment. Self-contained breathing apparatus and suitable protective clothing.

Specific methods:

Water mist may be used to cool closed containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear personal protective equipment.

Environmental precautions:

Prevent further leakage or spillage. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up:

Soak up with inert absorbent material. Shovel into suitable container for disposal. Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE

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Handling:

Technical measures/precautions:

Read and follow label instructions.

Safe handling advice:

Avoid contact with skin and eyes. When using, do not eat, drink or smoke. Wash off splashes (immediately). Wash hands and exposed skin after use / handling.

Storage:

Technical measures/storage conditions:

Store in original container. Keep tightly closed in a dry and cool place. Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.

Incompatible products:

No information available

Specific use(s):

No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

Ensure adequate ventilation.

Occupational exposure controls

Personal protective equipment

Respiratory protection:

Respirator with FFP3 filter.

Hand protection:

Chemical resistant gloves. Nitrile rubber.

Eye/face protection:

Tightly fitting safety goggles.

Skin and body protection:

Wear suitable protective clothing.

Hygiene measures

General industrial hygiene practice. Avoid contact with skin and eyes. Remove and wash contaminated clothing before re-use. Wash hands and exposed skin after use / handling..

Exposure limit values

Propylene glycol

Norway - 8 h:

25 ppm TWA
79 mg/m³ TWA

UK EH40 WEL:

10 mg/m³ TWA
150 ppm TWA
474 mg/m³ TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State:

Liquid

Appearance:

Suspension

Color:

Light brown

Odor:

Slight, pungent

Important Health Safety and Environmental Information

Boiling point/range: >100 (°C)
Melting point/range: -5 (°C)
Density: 1.25g/ml
Solubility: Dispersible
Explosive properties: Doesn't present explosion hazard

Other information

Oxidising properties: Not oxidizing .
pH: 6 - 9

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.
Conditions to avoid: None known.
Materials to avoid: None known.
Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapours

11. TOXICOLOGICAL INFORMATION

Component information

Product information

LC50/inhalation/4h/rat = >1.96mg/l
LD50/dermal/rabbit = >20,000mg/kg
LD50/oral/rat = 4,200mg/kg

Local effects

Skin effects: May cause skin irritation in susceptible persons.
Eye effects: May cause eye irritation with susceptible persons
Inhalation: Harmful by inhalation.
Ingestion: No information available.
Sensitization: May cause sensitization by skin contact.

12. ECOLOGICAL INFORMATION

Product information

Aquatic toxicity:
Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment..

Component information*Chlorothalonil***Ecotoxicity effects**

LC50/96h/rainbow trout =0.195mg/l (supplier information)

Ecotoxicity effects

EC50/24 h/Daphnia magna = 0.882mg/l (supplier information).

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Dispose of in accordance with local regulations and national regulations. Where possible recycling is preferred to disposal or incineration.

Contaminated packaging: Do not re-use empty containers. Triple rinse containers..

14. TRANSPORT INFORMATION**Product information**

Physical State: Liquid

ADR/RID

UN-No: 3082
Proper shipping name: Environmentally Hazardous Substance Liquid N.O.S.(chlorothalonil).
Hazard Class: 9
Packing group: III

IATA

UN-No: 3082
Proper shipping name: Environmentally Hazardous Substance Liquid N.O.S.(Chlorothalonil)
Hazard Class: 9
Packing group: III

IMO / IMDG

UN-No: 3082
Proper shipping name: Environmentally Hazardous Substance Liquid N.O.S.(Chlorothalonil)
Hazard Class: 9
Packing group: III
Description: Marine Pollutant

15. REGULATORY INFORMATION

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Indication of danger:

Xn - Harmful.

N - Dangerous for the environment.

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



R -phrase(s)

R20 - Harmful by inhalation.

R40 - Limited evidence of a carcinogenic effect

R43 - May cause sensitization by skin contact.

R36/37 - Irritating to eyes and respiratory system.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S -phrase(s)

S 2 - Keep out of the reach of children.

S13 - Keep away from food, drink and animal feedingstuffs.

S24 - Avoid contact with skin.

S35 - This material and its container must be disposed of in a safe way.

S57 - Use appropriate container to avoid environmental contamination.

S20/21 - When using, do not eat, drink or smoke.

S36/37 - Wear suitable protective clothing and gloves.

Registration number UK/Eire

MAPP 12636

16. OTHER INFORMATION

Text of R Phrases mentioned in Section 2

R26 - Very toxic by inhalation.

R37 - Irritating to respiratory system.

R40 - Limited evidence of a carcinogenic effect

R41 - Risk of serious damage to eyes.

R43 - May cause sensitization by skin contact.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Reason for revision:

*** Indicates changes since the last revision. This version replaces all previous versions

Prepared by:

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End of Safety Data Sheet