



Material Safety Data Sheet

According to EC Regulation 1907/2006

Print date: 29-Jan-2009

Revision Number: 0

Revision date:

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

Identification of the substance or preparation

MSDS Ref. No.: SCSDS544
Product name: Jewel

Use of the Substance/Preparation

Company/Undertaking Identification • The Scotts Company (UK) Ltd, Paper Mill Lane, Bramford, Ipswich, Suffolk IP8 4BZ United Kingdom

Emergency telephone number: • ++44 (0) 1865 407333 (24h)

Email INFO-MSDS@Scotts.com

2. HAZARDS IDENTIFICATION

Classification

Xn - Harmful
N - Dangerous for the environment

Most important hazards

Harmful if swallowed.
Risk of serious damage to eyes.
May cause sensitization by skin contact
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 |
|---------------|-------------|----------|-----------|------------------------------|
| Mecoprop-P | 16484-77-8 | > 25% | 240-539-0 | N;R51/53 Xi;R41 Xn;R22 |
| Carfentrazone | 128639-02-1 | 1 - 5% | USA184 | N;R50/53 |

NE = Non-Established

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 conscious, drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician. |
| Inhalation: | Move to fresh air. If symptoms persist, call a physician. |
| Skin contact: | Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician. |
| Eye contact: | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Carbon dioxide (CO₂). Foam. Powder.

Unsuitable extinguishing media:

Water

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

Danger of toxic gases in smoke in case of fire

Special protective equipment for firefighters:

Self-contained breathing apparatus and suitable protective clothing.

Specific methods:

Dike and collect water used to fight fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid contact with skin and eyes. Use personal protective equipment.

Environmental precautions:

Should not be released into the environment.

Methods for cleaning up:

Avoid dust formation. Moisten and remove. Neutralise non-recoverable product with a solution of caustic or soda ash, and an appropriate alcohol (methanol, ethanol or isopropanol)..

7. HANDLING AND STORAGE

Handling:**Technical measures/precautions:**

Ensure adequate ventilation.

Safe handling advice:

Avoid contact with skin and eyes. Avoid dust formation.

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Storage:**Technical measures/storage conditions:**

Store in original container. Keep tightly closed in a dry, cool and well-ventilated place. Keep away from sources of ignition - No smoking. Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.

Incompatible products:

No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

Ensure adequate ventilation.. Provide appropriate exhaust ventilation at places where dust is formed..

Occupational exposure controls**Personal protective equipment****Respiratory protection:**

Respirator with FFP3 filter.

Hand protection:

Chemical resistant gloves. Nitrile rubber. Neoprene gloves.

Eye/face protection

Safety glasses with side shields or goggles.

Skin and body protection:

impervious clothing.

Hygiene measures

Wash hands and exposed skin after use / handling. When using, do not eat, drink or smoke.

Exposure limit values

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

| | |
|------------------------|------------------|
| Physical State: | Solid |
| Appearance: | Granules |
| Color: | Brown |
| Odor: | Slight, phenolic |

Important Health Safety and Environmental Information**Other information**

| | |
|--------------------------|-------------------------------|
| pH: | 7.68 (1 % solution in water.) |
| Specific gravity: | 0.58 - 0.68 g/ml |

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Conditions to avoid: Keep away from heat and ignition sources.

Materials to avoid: No information available

Hazardous decomposition products: Carbon monoxide (CO). Carbon dioxide (CO₂). Hydrogen fluoride. hydrogen chloride. Nitrogen oxides (NO_x).

11. TOXICOLOGICAL INFORMATION

Component information

Mecoprop-P

LD50/oral/rat = 1050mg/kg
 LD50/dermal/rat = >4000mg/kg
 LC50/inhalation/4h/rat = >5.6mg/l

Carfentrazone

LD50/oral/rat = > 5000 mg/kg
 LD50/dermal/rat = > 5000 mg/kg
 LC50/inhalation/4h/rat = > 5.09 mg/kg

Product information

LC50/inhalation/4h/rat = >5mg/l
 LD50/dermal/rat = >2000mg/kg
 LD50/oral/rat = 1464mg/kg

Local effects

Skin effects: Non-irritating to the skin.
Eye effects: May cause severe ocular lesions.
Inhalation: No information available.
Ingestion: Harmful if swallowed.
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

EC50/72h/algae = 0.4mg/l .
 LC50/96h/rainbow trout = 35.4mg/l.
 EC50/48h/daphnia = 141mg/l.

Component information

Mecoprop-P

Ecotoxicity effects

EC50/48h/daphnia =>91 mg/L
 LC50/96h/rainbow trout => 100 mg/L
 EC50/72h/algae = 270 mg/L

*Carfentrazone***Ecotoxicity effects**

EC50/48h/daphnia =>9.8 mg/L
 LC50/96h/rainbow trout =1.6 mg/L
 EC50/72h/algae = 0.012 mg/L

13. DISPOSAL CONSIDERATIONS**Waste Disposal Methods:**

Do not contaminate ponds, waterways or ditches with chemical or used container. Do not empty into drains. Dispose of in accordance with local regulations and national regulations.

Contaminated packaging:

Do not re-use container for any other purpose and dispose of safely . In accordance with local and national regulations.

14. TRANSPORT INFORMATION**Product information****Physical State:**

Solid

ADR/RID**UN-No:**

3077

Proper shipping name:

Environmentally Hazardous Substance Solid
 N.O.S.(Mecoprop-P, Carfentrazone-ethyl)

Hazard Class:

9

Packing group:

III

IATA**UN-No:**

3077

Proper shipping name:

Environmentally Hazardous Substance Solid
 N.O.S.(Mecoprop-P, Carfentrazone-ethyl)

Hazard Class:

9

Packing group:

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IMO / IMDG**UN-No:**

3077

Proper shipping name:

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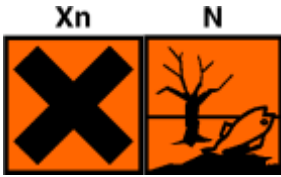
15. REGULATORY INFORMATION

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Indication of danger:

N - Dangerous for the environment.

Xn - Harmful.

**R -phrase(s)**

R22 - Harmful if swallowed.

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.

S -phrase(s)

S 2 - Keep out of the reach of children.

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

S29 - Do not empty into drains.

S39 - Wear eye/face protection.

S46 - If swallowed, seek medical advice immediately and show this container or label.

S57 - Use appropriate container to avoid environmental contamination.

S24/25 - Avoid contact with skin and eyes.

S37/39 - Wear suitable gloves and eye/face protection.

Registration number UK/Eire

MAPP 14327 PCS No.: 02953

16. OTHER INFORMATION

Text of R Phrases mentioned in Section 3

R22 - Harmful if swallowed.

R41 - Risk of serious damage to eyes.

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

R51/53 - 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:

Regulatory Affairs Department.

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End of Safety Data Sheet