



Safety Data Sheet

According to EC Directive 2001/58/EC

Print date: 25-Apr-2005

Revision Number: 2

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

Identification of the substance or preparation

MSDS Ref. No.: SCSDS408
Product name: RE-ACT

Use of the Substance/Preparation

Recommended use: For use only as a horticultural herbicide.

Company/Undertaking Identification
Scotts UK Professional, Paper Mill Lane, Bramford, Ipswich, Suffolk IP8 4BZ United Kingdom
Emergency telephone number: ++44 (0) 1865 407333

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation

| Components | CAS-No | Weight % | EC-No. | Classification |
|---|------------|----------|-----------|----------------------------|
| (R)-2-(4-Chloro-2-methylphenoxy)propionic acid (Mecoprop-p) | 16484-77-8 | 10 - 25% | 240-539-0 | Xn:R22, Xi: R41, N: R51-53 |
| MCPA, Dimethylamine Salt | 2039-46-5 | 10 - 25% | RM1000530 | Xn: R20/21/22 |
| Dimethylamine dicamba | 2300-66-5 | 1 - 5% | | R52/53 Xi;R36 |

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

3. HAZARDS IDENTIFICATION

Classification

Harmful

Most important hazards

Harmful if swallowed.
Risk of serious damage to eyes.

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 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 skin irritation persists, call a physician. |
| Eye contact: | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately. |

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water spray mist or foam, Dry powder, Carbon dioxide (CO₂).

Unsuitable extinguishing media:

High volume water jet

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

Thermal decomposition can lead to release of irritating gases and vapors

Special protective equipment for firefighters:

Use personal protective equipment. In the event of fire, wear self-contained breathing apparatus.

Specific methods:

Collect contaminated fire extinguishing water separately. This must not be discharged into drains

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

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

Environmental precautions:

Do not allow material to contaminate ground water system. 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:

Dam up. Soak up with inert absorbent material. Shovel into suitable container for disposal.

7. HANDLING AND STORAGE

Handling:**Technical measures/precautions:**

Ensure adequate ventilation..

Safe handling advice:

Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Do not breathe vapours or spray mist. When using do not eat or drink. When using do not smoke. Wash off splashes (immediately).. Wash hands and exposed skin after use / handling..

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

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

Incompatible products:

None known.

Specific use(s):

No information available

Verband der Chemischen Industrie (VCI):

Exempt

Risk classification according to VbF (Germany)

Exempt

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

Ensure adequate ventilation.

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

Respirator with FFP1 filter

Hand protection:

Protective gloves. Nitrile rubber.

Eye/face protection:

Face-shield.

Skin and body protection:

lightweight protective clothing, Rubber boots.

Hygiene measures

Avoid contact with skin and eyes. When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Wash hands before stopping and immediately after handling..

Exposure limit values**Environmental exposure controls**

There are no Occupational Exposure Limits available.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information**Physical State:**

Liquid

Color:

Brown

Odor:

Amine-like

Important Health Safety and Environmental Information**pH:**

7.5 - 9

Boiling point/range:

Approximately 100 (°C)

Density:

1.13g/ml

Solubility:

Completely miscible

Other information

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Stability: | Stable under recommended storage conditions. |
| Conditions to avoid: | No information available |
| Materials to avoid: | Acids. |
| Hazardous decomposition products: | Thermal decomposition can lead to release of irritating gases and vapours. |

11. TOXICOLOGICAL INFORMATION

Component information

(R)-2-(4-Chloro-2-methylphenoxy)propionic acid (Mecoprop-p)

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

MCPA, Dimethylamine Salt

| | |
|---------------------------------|------------|
| LD50/oral/rat = | 962mg/kg |
| LD50/dermal/rat = | >4000mg/kg |
| LC50/inhalation/4h/rat = | >6.36mg/l |

Dimethylamine dicamba

| | |
|---------------------------------|------------|
| LD50/oral/rat = | 1707mg/kg |
| LD50/dermal/rabbit = | >2000mg/kg |
| LC50/inhalation/4h/rat = | >9.6mg/l |

Product information

Local effects

| | |
|----------------------|--|
| Skin effects: | Irritating to skin. |
| Eye effects: | Severe eye irritation. Risk of serious damage to eyes. |
| Inhalation: | No information available. |
| Ingestion: | No information available. |

12. ECOLOGICAL INFORMATION

Product information

Component information

(R)-2-(4-Chloro-2-methylphenoxy)propionic acid (Mecoprop-p)

Ecotoxicity effects EC50/48h/daphnia = >100mg/l
LC50/96h/rainbow trout = 150 - 220mg/l
EC50/72h/algae = 532mg/l

MCPA, Dimethylamine Salt

Ecotoxicity effects EC50/48h/daphnia = >190mg/l
LC50/96h/rainbow trout = 50mg/l
EC50/72h/algae = 57mg/l

Dimethylamine dicamba

Ecotoxicity effects EC50/48h/daphnia = 110mg/l
LC50/96h/rainbow trout = 135mg/l

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Do not contaminate ponds, waterways or ditches with chemical or used container..
Can be incinerated, when in compliance with local regulations.

Contaminated packaging: Do not re-use empty containers Dispose of as unused product. In accordance with local and national regulations.

14. TRANSPORT INFORMATION

Product information

Physical State: Liquid

ADR/RID

UN-No: Not classified for transport

IATA

UN-No: Not classified for transport

IMO / IMDG

UN-No: Not classified for transport

15. REGULATORY INFORMATION

Indication of danger:

Xn - Harmful.

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

R -phrase(s)

R22 - Harmful if swallowed.

R41 - Risk of serious damage to eyes.

Registration number UK/Eire

MAPP 12231

16. OTHER INFORMATION**Text of R Phrases mentioned in Section 2**

R22 - Harmful if swallowed.

R36 - Irritating to eyes.

R41 - Risk of serious damage to eyes.

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Reason for revision:

None

Prepared by:

Regulatory Affairs Department.

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End of Safety Data Sheet