



Material Safety Data Sheet

According to EC Directive 1907/2006

Print date: 29-Feb-2008

Revision Number: 0

Revision date:

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

Identification of the substance or preparation

MSDS Ref. No.: 019885
Product name: Proliance Quattro

Use of the Substance/Preparation

Recommended use: Herbicide.

Company/Undertaking Identification

- Scotts UK Professional, Paper Mill Lane, Bramford, Ipswich, Suffolk IP8 4BZ United Kingdom

Email: INFO-MSDS@Scotts.com

2. HAZARDS IDENTIFICATION

Classification

The product is non-dangerous in accordance with Directive 1999/45/EC

Most important hazards

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation

| Components | CAS-No | Weight % | EC-No. | Classification |
|-----------------------|------------|----------|--------|----------------|
| Glucopon 225 DK/HH | 68515-73-1 | 10 - 25% | USA223 | Xi;R41 |
| Glyphosate-diammonium | 69254-40-6 | > 25% | | N;R51/53 |

NE = Non-Established

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

4. FIRST AID MEASURES

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. Consult a physician. |
| Skin contact: | Rinse skin immediately with plenty of water for 15-20 minutes. If skin irritation persists, call a physician. Remove and wash contaminated clothing before re-use. |
| Eye contact: | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required. |
| Notes to physician: | No specific antidote known. Treat symptomatically. |

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

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

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:

Cool containers / tanks with spray water. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Use personal protective equipment.

Environmental precautions:

Prevent further leakage or spillage. Do not contaminate water. Do not flush into surface water or sanitary sewer system.

Methods for cleaning up:

Prevent further leakage or spillage. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Handling:**Technical measures/precautions:**

Ensure adequate ventilation.

Safe handling advice:

Avoid contact with skin and eyes. When using, do not eat, drink or smoke.

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

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. 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:

Read and follow label instructions.

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

No personal respiratory protective equipment normally required.

Hand protection:

Chemical resistant gloves in case of intensive contact .

Eye/face protection

Eye/face protection is not required, but is recommended in manufacturing situations where contact may occur.

Skin and body protection:

Lightweight protective clothing.

Hygiene measures

Wash hands and exposed skin after use / 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: Slight, Sweet

Important Health Safety and Environmental Information

Flash point: >104 (°C)
Density: 1.266g/cm³ at 20°C

Other information

Oxidising properties: Not oxidizing .
pH: 6.8 at (25°C)

10. STABILITY AND REACTIVITY

Stability:

Stable under recommended storage conditions.

| | |
|--|--|
| Conditions to avoid: | Combustion or thermal decomposition gives off toxic irritant vapours.. |
| Materials to avoid: | No information available |
| Hazardous decomposition products: | No decomposition if stored normally |

11. TOXICOLOGICAL INFORMATION

Component information

Product information

| | |
|---------------------------------|---|
| LC50/inhalation/4h/rat = | >5.1mg/l (Based on test results obtained with similar product). |
| LD50/dermal/rat = | >5000mg/kg |
| LD50/oral/rat = | >5000mg/kg |

Local effects

| | |
|----------------------|--|
| Skin effects: | May cause skin irritation in susceptible persons. |
| Eye effects: | May cause eye irritation with susceptible persons. |
| Inhalation: | No information available. |
| Ingestion: | No information available. |

12. ECOLOGICAL INFORMATION

Product information

Aquatic toxicity:

LC50/96h/rainbow trout = 800mg/l.
EC50/48h/daphnia = 160mg/l.
ErC50/72h/bluegreen algae =320mg/l .

Component information

Glyphosate is not persistent in soil. Glyphosate is persistent in water. Glyphosate is immobile in soil.

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. Where possible recycling is preferred to disposal or incineration. |
| Contaminated packaging: | Empty remaining contents.. Triple rinse containers. Do not re-use empty containers. Empty containers should be taken for local recycling, recovery or waste disposal. |

14. TRANSPORT INFORMATION**Product information****Physical State:** Liquid**ADR/RID****UN-No:** Not classified for transport**IATA****IMO / IMDG****UN-No:** Not classified for transport**15. REGULATORY INFORMATION****Indication of danger:**

The product is non-dangerous in accordance with Directive 1999/45/EC
To avoid risks to man and the environment, comply with the instructions for use.

R -phrase(s)

None

S -phrase(s)

S 2 - Keep out of the reach of children.
S13 - Keep away from food, drink and animal feedingstuffs.
S20/21 - When using, do not eat, drink or smoke.

Registration number UK/Eire

MAPP 13760

16. OTHER INFORMATION**Text of R Phrases mentioned in Section 3**

R41 - Risk of serious damage to eyes.
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:

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End of Safety Data Sheet