



# Material Safety Data Sheet

According to EC Directive 2001/58/EC

Print date: 22-Mar-2007

Revision Number: 1

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

### Identification of the substance or preparation

MSDS Ref. No.: 3102.01.42  
Product name: Greenmaster Liquid High K

### Use of the Substance/Preparation

Recommended use: Liquid concentrate.

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

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical nature of the preparation

Components	CAS-No	Weight %	EC-No.	Classification
Ammoniumnitrate, NH <sub>4</sub> NO <sub>3</sub>	6484-52-2	1 - 5%	229-347-8	O;R08

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

## 3. HAZARDS IDENTIFICATION

### Classification

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

### Most important hazards

None

## 4. FIRST AID MEASURES

**General advice:** If you feel unwell, seek medical advice (show the label where possible).  
**Ingestion:** Never give anything by mouth to an unconscious person. Clean mouth with water and drink afterwards plenty of water. Consult a physician if necessary.  
**Inhalation:** Not applicable.

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**Skin contact:** Rinse with plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.

**Eye contact:** Flush eye(s) immediately with plenty of water.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

The product itself does not burn. Coordinate fire extinguishing measures to fire in surrounding area.

**Unsuitable extinguishing media:**

Not applicable

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

Nitrogen oxide . Ammonia.

**Special protective equipment for firefighters:**

Standard procedure for chemical fires.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Contaminated surfaces will be extremely slippery.

**Environmental precautions:**

Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up:**

Wipe up with absorbent material (e.g. cloth, fleece). Take up mechanically and collect in suitable container for disposal. Do not use flammable material (wood shavings) for liquid absorption.

## 7. HANDLING AND STORAGE

**Handling:**

**Technical measures/precautions:**

No special technical protective measures required.

**Safe handling advice:**

No information available.

**Storage:**

**Technical measures/storage conditions:**

Store in original container. Keep at temperatures above 0 °C. Keep away from food, drink and animal feeding stuffs. In crystalline form, enhances combustibility of other substances. Keep from drying out. Protect from contamination.

**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**

<b>Respiratory protection:</b>	Not required.
<b>Hand protection:</b>	Not required.
<b>Eye/face protection:</b>	Not required.
<b>Skin and body protection:</b>	Not required.
<b>Hygiene measures</b>	When using, do not eat, drink or smoke. General industrial hygiene practice. Avoid contact with skin and eyes.

**Exposure limit values**

Ammoniumnitrate,  $NH_4NO_3$   
Czech Republic OEL

Listed

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**General Information**

<b>Physical State:</b>	Liquid
<b>Appearance:</b>	Clear
<b>Color:</b>	Green
<b>Odor:</b>	Not significant

**Important Health Safety and Environmental Information**

<b>pH:</b>	6.0 (+/-0.5)
<b>Boiling point/range:</b>	105 (°C)
<b>Density:</b>	1.18 g/cm <sup>3</sup>

**Other information**

<b>Autoignition temperature:</b>	Not applicable
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## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Conditions to avoid:</b>	Do not allow solution to dry out. Prevent uncontrolled heating.
<b>Materials to avoid:</b>	Strong bases. Galvanized container (corrosion). Soaking of flammable material (fire risk after drying).
<b>Hazardous decomposition products:</b>	No decomposition if stored normally

## 11. TOXICOLOGICAL INFORMATION

**Component information**

*Ammoniumnitrate, NH4NO3*

**LD50/oral/rat =** 410 mg/kg

**Other information on acute toxicity:** No information available

### Product information

#### Local effects

**Skin effects:** May cause skin irritation in susceptible persons

**Eye effects:** May cause eye irritation with susceptible persons

**Inhalation:** May cause sensitization by inhalation

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

## 12. ECOLOGICAL INFORMATION

### Product information

#### **Aquatic toxicity:**

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants

**Water Endangering Class (WGK):** 1 (Scotts classification )

### Component information

*Ammoniumnitrate, NH4NO3*

#### **Ecotoxicity effects**

EC50/48h/daphnia = 100 µg/l  
LC50/96h/rainbow trout = 10 µg/l  
EC50/72h/algae = 74000 µg/l

**Additional ecological information:** Does not bioaccumulate

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** Dispose of in accordance with local regulations.

**Contaminated packaging:** Rinse empty containers with water and use the rinse-water to prepare the working solution. Can be offered for recycling, re-conditioning or puncture.

## 14. TRANSPORT INFORMATION

### Product information

**Physical State:** Liquid

**14. TRANSPORT INFORMATION****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:**

This product does not have to be classified according to the EU regulations.

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

R 8 - Contact with combustible material may cause fire.

**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**