



Material Safety Data Sheet

According to EC Directive 1907/2006

Print date: 18-Dec-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.: 2101.02.02
 Product name: Peters Professional 6+18+36+3MgO
 Synonyms: Peters Professional 6+7.9+29.9+1.8Mg

Use of the Substance/Preparation

Recommended use: Water soluble fertilizer.

Company/Undertaking Identification

- Scotts International BV
 Nijverheidsweg 1-5
 6422 PD Heerlen (NL)
 Tel: ++31 (0) 45-5609100
 Fax: ++31 (0) 45-5609190

Emergency telephone number: • +44 (0)208 762 8322

Email: INFO-MSDS@Scotts.com

2. HAZARDS IDENTIFICATION

Classification

The product is classified and labelled in accordance with Directive 1999/45/EC
 O - Oxidizing

Most important hazards

Contact with combustible material may cause fire.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation

Components	CAS-No	Weight %	EC-No.	Classification
mono potassium phosphate, M.K.P.	7778-77-0	> 25%	231-913-4	NE
Magnesium sulphate, MgSO ₄	7487-88-9	5 - 10%	231-298-2	NE

Components	CAS-No	Weight %	EC-No.	Classification
Potassium sulphate, K ₂ SO ₄	7778-80-5	1 - 5%	231-915-5	NE
Potassium nitrate, KNO ₃	7757-79-1	> 25%	231-818-8	O;R08

NE = Non-Established

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

4. FIRST AID MEASURES

General advice:	Check the victim's state of consciousness, breathing and pulse; put in emergency position or revive.
Ingestion:	Possible symptoms are nausea and/or vomiting. Clean mouth with water and drink afterwards plenty of water. If a person vomits when lying on his back, place him in the recovery position. Do not induce vomiting without medical advice. Consult a physician if necessary.
Inhalation:	In the case of inhalation of aerosol/mist consult a physician if necessary. Possible symptoms are coughing and/or dyspnoea. If breathing is difficult, give oxygen. Move to fresh air.
Skin contact:	If skin irritation persists, call a physician.
Eye contact:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Protection of first-aiders:	Avoid contact with eyes. Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	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:	Danger of toxic gases in smoke in case of fire.
Special protective equipment for firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific methods:	Dike and collect water used to fight fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Ensure adequate ventilation. Avoid dust formation. Use personal protective equipment. Wear personal protective equipment.
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Environmental precautions:

Prevent product from entering drains. Do not contaminate surface water.

Methods for cleaning up:

Shovel or sweep up. Do not create a powder cloud by using a brush or compressed air.

7. HANDLING AND STORAGE

Handling:**Technical measures/precautions:**

Provide appropriate exhaust ventilation at places where dust is formed.

Safe handling advice:

Avoid dust formation. Avoid contact with skin and eyes.

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

Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep away from food, drink and animal feeding stuffs. Keep at temperatures between 0 °C and 40 °C .

Incompatible products:

Keep away from:
Flammable materials

Specific use(s):

Water soluble fertilizer.

Packaging material:

VCI (Germany)

Plastic bags

5.1B

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

Ensure adequate ventilation.

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

In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection:

PVC or other plastic material gloves.

Eye/face protection

Tightly fitting safety goggles.

Skin and body protection:

Not applicable.

Hygiene measures

Follow good housekeeping practices. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs.

Exposure limit values**Environmental exposure controls**

Avoid dust formation.

9. PHYSICAL AND CHEMICAL PROPERTIES

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General Information

Physical State:	Solid
Appearance:	Powder
Color:	Off-white
Odor:	No information available

Important Health Safety and Environmental Information

Bulk density:	800 - 1100 kg/m ³
Solubility:	Completely soluble
Water solubility:	+/- 30 - 45 kg/100L

Other information

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Conditions to avoid:	Keep away from open flames, hot surfaces and sources of ignition. Burning produces obnoxious and toxic fumes.
Materials to avoid:	Combustible material.
Hazardous decomposition products:	No decomposition if stored normally. Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Component information

Potassium sulphate, K₂SO₄
LD50/oral/rat = 6600 mg/kg

Potassium nitrate, KNO₃
LD50/oral/rat = 3750mg/kg

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

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

Component information

Potassium sulphate, K₂SO₄

Ecotoxicity effects

LC50/96h/rainbow trout =890 mg/l

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Use up product completely. Packaging material is industrial waste

Contaminated packaging: Empty containers can be landfilled, when in compliance with the local regulations

14. TRANSPORT INFORMATION

Product information

Physical State: Solid

ADR/RID

UN-No: 1479
Proper shipping name: Oxidizing solid, N.O.S..
Hazard Class: 5.1
Packing group: PG III
Description: Potassiumnitrate

IATA

UN-No: N.A.

IMO / IMDG

UN-No: 1479
Proper shipping name: Oxidizing solid, N.O.S..
Hazard Class: 5.1
Packing group: PG III
Description: Potassiumnitrate



15. REGULATORY INFORMATION

Indication of danger:

O - Oxidizing.

**R -phrase(s)**

R 8 - Contact with combustible material may cause fire.

ICPE (FR): Classified installation : article 1230

16. OTHER INFORMATION

Text of R Phrases mentioned in Section 2

R 8 - Contact with combustible material may cause fire.

R36/37/38 - Irritating to eyes, respiratory system and skin.

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