



Material Safety Data Sheet

According to EC Directive 2001/58/EC

Print date: 26-Jun-2007

Revision Number: 3

Revision date: 26-Jun-2007

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

Identification of the substance or preparation

MSDS Ref. No.: 2153.02.02
Product name: Peters Excel 15+15+25
Synonyms: Peters Excel 15+6.5+20.7

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation

Components	CAS-No	Weight %	EC-No.	Classification
Sodium molybdate, Na ₂ MoO ₄ +2H ₂ O	7631-95-0	< 1%	231-298-2	NE
Magnesiumnitrate hexahydrate, Mg(NO ₃) ₂ +6H ₂ O	13446-18-9	5 - 10%	233-826-7	O;R08
Ureaphosphate	4861-19-2	> 25%	225-464-3	C;R34
Ammoniumnitrate, NH ₄ NO ₃	6484-52-2	1 - 5%	229-347-8	O;R08
Potassium nitrate, KNO ₃	7757-79-1	> 25%	231-818-8	O;R08

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

3. HAZARDS IDENTIFICATION

Classification

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

O - Oxidizing
Xi - Irritant

3. HAZARDS IDENTIFICATION

Most important hazards

Contact with combustible material may cause fire.
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:** Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Possible symptoms are nausea and/or vomiting. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person.
- Inhalation:** In the case of inhalation of aerosol/mist consult a physician if necessary. Possible symptoms are coughing and/or dyspnoea. If symptoms persist, call a physician.
- Skin contact:** Rinse with plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.
- Eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Keep eye wide open while rinsing. Continue rinsing eyes during transport to hospital.
- Protection of first-aiders:** 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:

Avoid dust formation. Ensure adequate ventilation. Sweep-up to prevent slipping hazard. Avoid contact with eyes.

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:**

Ensure adequate ventilation. Avoid dust formation.

Safe handling advice:

Handle in accordance with good industrial hygiene and safety practice. 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. For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well. 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:**

Effective dust mask.

Hand protection:

Rubber gloves.

Eye/face protection:

Tightly fitting safety goggles.

Skin and body protection:

Wear suitable protective clothing.

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**

Prevent product from entering drains. Avoid dust formation.

Sodium molybdate, Na₂MoO₄+2H₂O

Austria - MAKs

5 mg/m³ MAK

Belgium - 8 Hr VLE

5 mg/m³ TWA

Czech Republic OEL

Listed

Finland - Occupational Exposure Limits - 8 hour

6 mg/m³

France - Valeurs Limites d'exposition (VLE)

5 mg/m³

France INRS (VME)

5 mg/m³ VME

Netherlands - OEL - MACs:

5 mg/m³ MAC

Norway - 8 h:

5 mg/m³ TWA

Portugal - TWAs
Spain - Valores Limite Ambientales - VLE
Sweden - OEL - 8 Hour

0.5 mg/m³ TWA
5 mg/m³ VLA-ED
10 mg/m³ LLV
5 mg/m³ LLV

Ammoniumnitrate, NH₄NO₃
Czech Republic OEL

Listed

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State: Solid
Appearance: Prills, flakes and powder
Color: White
Odor: Not significant

Important Health Safety and Environmental Information

pH: 2 - 3 (1 % solution in water.)
Flammability (solid, gas): Non-flammable
Solubility: Soluble

Other information

Bulk density: 900 - 1100 kg/m³
Decomposition temperature: > 150 °C

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.
Conditions to avoid: Avoid dust formation. Burning produces obnoxious and toxic fumes.
Materials to avoid: No information available
Hazardous decomposition products: No decomposition if stored normally
Thermal decomposition can lead to release of irritating gases and vapours

11. TOXICOLOGICAL INFORMATION

Component information

Sodium molybdate, Na₂MoO₄·2H₂O

LD50/oral/rat = 4000 mg/kg

Ureaphosphate

LD50/oral/rat = 5840 mg/kg

Ammoniumnitrate, NH₄NO₃

LD50/oral/rat = 410 mg/kg

Potassium nitrate, KNO₃

LD50/oral/rat = 3750mg/kg

Product information

Local effects

Skin effects: May cause skin irritation in susceptible persons. (Notox Study 424586, Primary skin irritation/corrosion study on rabbits, 22-02-2005) .

Eye effects: Severe eye irritation. Risk of serious damage to eyes. (CIT Study No. 23966/23967 TAL. CIT France, BP 563-27005 Evreux France, 01-09-2002).

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): 2 (Scotts classification)

Component information

Sodium molybdate, Na₂MoO₄+2H₂O

Ecotoxicity effects LC50/96h/rainbow trout => 2800 g/l

Ammoniumnitrate, NH₄NO₃

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

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, Magnesiumnitrate

**15. REGULATORY INFORMATION****Indication of danger:**

O - Oxidizing.
Xi - Irritant.

**R -phrase(s)**

R 8 - Contact with combustible material may cause fire.
R41 - Risk of serious damage to eyes.

S -phrase(s)

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39 - Wear eye/face protection.

ICPE (FR): Classified installation : article 1331, 1230

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

16. OTHER INFORMATION

R 8 - Contact with combustible material may cause fire.

R34 - Causes burns.

R36 - Irritating to eyes.

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.

This information contained herein is, to the best of Scott's knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and Scotts shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, Scotts shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product

End of Safety Data Sheet