



Material Safety Data Sheet

According to EC Regulation 1907/2006

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Revision Number: 0

Revision date:

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

Identification of the substance or preparation

MSDS Ref. No.: 021476
Product name: Evolution 25-5-8

Use of the Substance/Preparation

Recommended use: Granulated fertilizer.

Company/Undertaking Identification

• The Scotts Company (UK) Ltd, Paper Mill Lane, Bramford, Ipswich, Suffolk IP8 4BZ United Kingdom

Emergency telephone number: • ++44 (0) 1865 407333 (24h)

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
Sulphur, S	7704-34-9	5 - 10%	231-722-6	Xi;R38-43
Biuret	108-19-0	1 - 5%	203-559-0	Xi;R36/37/38
Magnesite, Mg(CO ₃) ₂	546-93-0	1 - 5%	208-915-9	NE

NE = Non-Established

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

4. FIRST AID MEASURES

General advice:	If you feel unwell, seek medical advice (show the label where possible).
Ingestion:	Possible symptoms are nausea and/or vomiting. Do not induce vomiting without medical advice. If symptoms persist, call a physician.
Inhalation:	Move to fresh air. In case of shortness of breath, give oxygen. Possible symptoms are coughing and/or dyspnoea. 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 symptoms persist, call a physician.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Coordinate fire extinguishing measures to fire in surrounding area.
Unsuitable extinguishing media:	No information available
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. In case of fire, cool with water or waterspray.
Special protective equipment for firefighters:	In the event of fire and/or explosion do not breathe fumes. Use personal protective equipment. Self-contained breathing apparatus and suitable protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid dust formation. Ensure adequate ventilation.
Environmental precautions:	Do not contaminate water. Prevent product from entering drains.
Methods for cleaning up:	Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling:	
Technical measures/precautions:	No special technical protective measures required.
Safe handling advice:	Keep away from open flames, hot surfaces and sources of ignition.
Storage:	
Technical measures/storage conditions:	Keep away from heat and sources of ignition. 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:	Not applicable

Specific use(s):

Granulated fertilizer.

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:

PVC or other plastic material gloves.

Eye/face protection

Safety glasses.

Skin and body protection:

Lightweight protective clothing.

Hygiene measures

Follow good housekeeping practices. When using, do not eat, drink or smoke. Wash hands and exposed skin after use / handling.

Exposure limit values

Sulphur, S

France INRS (VME)

VME (poussières) = 10 mg/m³

Magnesite, Mg(CO₃)₂

Belgium - 8 Hr VLE

France INRS (VME)

Spain - Valores Limite Ambientales - VLE

UK EH40 WEL:

10 mg/m³ TWA

10 mg/m³ VME

10 mg/m³ VLA-ED

LTEL (8hr TWA) 10mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State:

Solid

Appearance:

Granular

Color:

No information available

Odor:

No information available

Important Health Safety and Environmental Information

Decomposition temperature:

> 150°C

Solubility:

Moderately soluble

Flammability (solid, gas):

Non-flammable

Other information

Bulk density:

950 kg/m³

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Component information

Sulphur, S

LD50/oral/rat =	> 2000 mg/kg
LD50/dermal/rat =	> 2000 mg/kg
LC50/inhalation/4h/rat =	> 5,4 mg/l

Biuret

LD50/oral/rat =	> 5 g/kg
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Other information on acute toxicity:

No information available

Product information

Local effects

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

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
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Water Endangering Class (WGK):

1 (Scotts classification)

Component information

No ecological information is known on the product nor on any of its ingredients

13. DISPOSAL CONSIDERATIONS

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

Contaminated packaging: Do not re-use container for any other purpose and dispose of safely . Dispose of in accordance with local regulations and national regulations.

14. TRANSPORT INFORMATION

Product information

Physical State: Solid

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:

In accordance with the Chemicals (Hazards Information and Packaging for Supply) Regulations (CHIP 3), the product is not classified.

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

16. OTHER INFORMATION

Text of R Phrases mentioned in Section 3

R38 - Irritating to skin.

R43 - May cause sensitization by skin contact.

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