

Evolution<sup>2</sup> 12+6+6 is a turf fertiliser for use throughout the season. The addition of magnesium aids plant growth and helps ensure good colour even on light soils.

How to apply	Apply evenly avoiding overlapped or missed areas, using a suitable calibrated distributor or by hand. If no rain falls during the 48 hours after application, irrigate the treated area thoroughly. Do not apply in frosty weather or hot, dry conditions.
Application Rate	Apply at a rate of 30 -50g per sq. m Area treated by a 20kg bag – 400 - 667sq.m

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

### Identification of the substance or preparation

**Product name:** Evolution 12-6-6

### Use of the Substance/Preparation

**Recommended use:** For use only as a horticultural turf fertilizer.

**Company/Undertaking Identification** See address on the bag.

## 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
Magnesite, Mg(CO <sub>3</sub> ) <sub>2</sub>	546-93-0	1 - 5%	208-915-9	NE
Talc	14807-96-6	1 - 5%	N.E.	NE
Sand	14808-60-7	5 - 10%	238-878-4	NE

NE = Non-Established

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

## 4. FIRST AID MEASURES

<b>General advice:</b>	If you feel unwell, seek medical advice (show the label where possible).
<b>Ingestion:</b>	Rinse mouth. If symptoms persist, call a physician.
<b>Inhalation:</b>	Move to fresh air.
<b>Skin contact:</b>	Wash off immediately with soap and plenty of water.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Coordinate fire extinguishing measures to fire in surrounding area
<b>Unsuitable extinguishing media:</b>	Not applicable
<b>Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases:</b>	Danger of toxic gases in smoke in case of fire
<b>Special protective equipment for firefighters:</b>	Use personal protective equipment. Self-contained breathing apparatus and suitable protective clothing.
<b>Specific methods:</b>	Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Use personal protective equipment.
<b>Environmental precautions:</b>	Do not contaminate water. Prevent product from entering drains.
<b>Methods for cleaning up:</b>	Avoid dust formation. Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	
<b>Technical measures/precautions:</b>	Avoid dust formation. Ensure adequate ventilation.
<b>Safe handling advice:</b>	Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Wash hands and exposed skin after use / handling.
<b>Storage:</b>	
<b>Technical measures/storage conditions:</b>	Store in original container. Keep in a dry, cool and well-ventilated place.
<b>Incompatible products:</b>	No information available

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

Ensure adequate ventilation.

### Occupational exposure controls

#### Personal protective equipment

Respiratory protection:

No information available

Hand protection:

Protective gloves. Nitrile rubber.

Eye/face protection

Safety glasses.

Skin and body protection:

Lightweight protective clothing.

Hygiene measures

General industrial hygiene practice.

### Exposure limit values

#### *Magnesite, Mg(CO<sub>3</sub>)<sub>2</sub>*

Belgium - 8 Hr VLE

10 mg/m<sup>3</sup> TWA

France INRS (VME)

10 mg/m<sup>3</sup> VME

Spain - Valores Limite Ambientales - VLE

10 mg/m<sup>3</sup> VLA-ED

UK EH40 WEL:

LTEL (8hr TWA) 10mg/m<sup>3</sup>

#### *Talc*

Belgium - 8 Hr VLE

2 mg/m<sup>3</sup> TWA

Czech Republic OEL

= 10 mg/m<sup>3</sup> TWA

Finland - Occupational Exposure Limits - 8 hour

= 2.0 mg/m<sup>3</sup> TWA

0.5 fibers/cm<sup>3</sup> TWA

Germany TRGS900:

5 mg/m<sup>3</sup> TWA

Netherlands - OEL - MACs:

2 A mg/m<sup>3</sup>

Portugal - TWAs

0.25 mg/m<sup>3</sup> TWA

Spain - Valores Limite Ambientales - VLE

2 mg/m<sup>3</sup> TWA

Sweden - OEL - 8 Hour

2 mg/m<sup>3</sup> VLA-ED

1 mg/m<sup>3</sup> LLV

UK EH40 WEL:

2 mg/m<sup>3</sup> LLV

1 mg/m<sup>3</sup> TWA

#### *Sand*

Belgium - 8 Hr VLE

0.1 mg/m<sup>3</sup> TWA

Finland - Occupational Exposure Limits - 8 hour

0.5 mg/m<sup>3</sup> TWA

France INRS (VME)

0.1 mg/m<sup>3</sup> VME

Netherlands - OEL - MACs:

0.075 mg/m<sup>3</sup> TWA

Norway - 8 h:

0.1 mg/m<sup>3</sup> TWA

Portugal - TWAs

0.3 mg/m<sup>3</sup> TWA

Spain - Valores Limite Ambientales - VLE

0.025 mg/m<sup>3</sup> TWA

Sweden - OEL - 8 Hour

0.1 mg/m<sup>3</sup> VLA-ED

UK EH40 WEL:

0.1 mg/m<sup>3</sup> LLV

LTEL (8 Hr) 6 mg/m<sup>3</sup> (total inhalable dust)

STEL (15 min) 2.4 mg/m<sup>3</sup> (total respirable dust)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

Physical State:

Solid

Appearance:

Granular

Color:

No information available

Odor:

No information available

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Conditions to avoid:</b>	None known.
<b>Materials to avoid:</b>	None known.
<b>Hazardous decomposition products:</b>	No decomposition if stored normally

## 11. TOXICOLOGICAL INFORMATION

### Component information

*Sand*  
LD50/oral/rat = N.A.

### Product information

#### Local effects

<b>Skin effects:</b>	No information available.
<b>Eye effects:</b>	No information available.
<b>Inhalation:</b>	No information available.
<b>Ingestion:</b>	No information available.

## 12. ECOLOGICAL INFORMATION

### Product information

**Aquatic toxicity:** No information available.

### Component information

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Methods:</b>	Do not empty into drains. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local regulations and national regulations.
<b>Contaminated packaging:</b>	Do not re-use container for any other purpose and dispose of safely. .

## 14. TRANSPORT INFORMATION

### Product information

**Physical State:** Solid

## 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:

Not dangerous.

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

### Registration number UK/Eire

Not applicable

## 16. OTHER INFORMATION

### Text of R Phrases mentioned in Section 3

None

### Declaration for 12+6+6:

#### EC FERTILISER

NPK (Mg) FERTILISER 12-6-6 (3)

Nitrogen (N) total	12.0%
Ammoniacal N	6.0%
Ureic N	6.0%
Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> ) soluble in neutral ammonium citrate and water	5.6% (2.4% P)
Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> ) soluble in water (2.2%P)	5.1%
Potassium oxide (K <sub>2</sub> O) soluble in water (5.0% K)	6.0%
Magnesium oxide (MgO) total (1.8% Mg)	3.0%