

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

### Identification of the substance or preparation

**Product name:** Evolution 14-4-8

### Use of the Substance/Preparation

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

**Company/Undertaking Identification** See address on 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

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:** Rinse mouth. If symptoms persist, call a physician.

**Inhalation:** Move to fresh air.

**Skin contact:** Wash off immediately with soap and plenty of water.

**Eye contact:** 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

## 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:**

Use personal protective equipment. Self-contained breathing apparatus and suitable protective clothing.

### **Specific methods:**

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions:**

Use personal protective equipment.

### **Environmental precautions:**

Do not contaminate water. Prevent product from entering drains.

### **Methods for cleaning up:**

Avoid dust formation. Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

### **Handling:**

#### **Technical measures/precautions:**

Avoid dust formation. Ensure adequate ventilation.

#### **Safe handling advice:**

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.

### **Storage:**

#### **Technical measures/storage conditions:**

Store in original container. Keep in a dry, cool and well-ventilated place.

#### **Incompatible products:**

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

France INRS (VME)

Spain - Valores Limite Ambientales - VLE

UK EH40 WEL:

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

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

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

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

*Talc*

Belgium - 8 Hr VLE

Czech Republic OEL

Finland - Occupational Exposure Limits - 8 hour

Germany TRGS900:

Netherlands - OEL - MACs:

Portugal - TWAs

Spain - Valores Limite Ambientales - VLE

Sweden - OEL - 8 Hour

UK EH40 WEL:

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

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

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

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

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

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

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

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

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

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

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

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

## 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

### Other information

## 10. STABILITY AND REACTIVITY

**Stability:**

Stable under recommended storage conditions.

**Conditions to avoid:**

None known.

**Materials to avoid:**

None known.

**Hazardous decomposition products:**

No decomposition if stored normally

## 11. TOXICOLOGICAL INFORMATION

### Component information

## Product information

### Local effects

**Skin effects:** No information available.  
**Eye effects:** No information available.  
**Inhalation:** No information available.  
**Ingestion:** No information available.

## 12. ECOLOGICAL INFORMATION

### Product information

**Aquatic toxicity:** No information available.

### Component information

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** 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.

**Contaminated packaging:** Do not re-use container for any other purpose and dispose of safely. .

## 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:**

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

**Fertilizer Declaration for 14+4+8+2Fe+2MgO:**

NPK (Mg) Fertiliser 14-4-8 (2) with Iron (Fe)

Nitrogen (N) total	14.0%
Ammoniacal nitrogen (N)	6.0 %
Ureic nitrogen (N)	4.0 %
Urea formaldehyde	4.1 %
Soluble in hot water	1.4 %
Soluble in cold water	1.4 %
Phosphorus pentoxide (P <sub>2</sub> O <sub>5</sub> ) soluble in neutral ammonium citrate	2.6 % (1.1% P)
Phosphorus pentoxide (P <sub>2</sub> O <sub>5</sub> ) soluble in water	1.2 % (0.5% P)
Potassium oxide (K <sub>2</sub> O) soluble in water	8.0% (6.6% K)
Magnesium oxide total (MgO)	2.0% (1.2% Mg)
Iron total (Fe)	2.00 %