

# Material Safety Data Sheet

## According to 91/155 EEC

Printing date 10.04.2005

Reviewed on 01.03.2005

### 1 Identification of substance:

· **Product details:**

· **Trade name:** Marathon Golf Spring

· **Application of the substance / the preparation** Fertilizer

· **Manufacturer/Supplier:**

Melspring International BV  
Jansbuitensingel 20, P.O. Box 143  
NL-6800 AC Arnhem

Phone: +31-(0)26-44 51 251  
Fax: +31-(0)26-44 25 093

· **Informing department:** Sales/ Technics

· **Emergency information:**

National (Dutch) Toxic Information Center  
Phone: ++31-302748888

### 2 Composition/Data on components:

· **Chemical characterization**

· **Description:** Preparation

· **Dangerous components:** Void

### 3 Hazards identification

· **Hazard designation:** void

· **Information pertaining to particular dangers for man and environment**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

### 4 First aid measures

· **General information** No special measures required.

· **After inhalation** Supply fresh air; consult doctor in case of symptoms.

· **After skin contact** Rinse with warm water.

· **After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

· **After swallowing**

Rinse out mouth and then drink plenty of water.

In case of persistent symptoms consult doctor.

### 5 Fire fighting measures

· **Suitable extinguishing agents**

CO<sub>2</sub>, extinguishing powder or water spray/fog. Fight larger fires with water spray/fog or alcohol-resistant foam.

· **For safety reasons unsuitable extinguishing agents** none

· **Special hazards caused by the material, its products of combustion or flue gases:**

Nitrogen oxides (NO<sub>x</sub>)

Oxides of phosphorus (P<sub>x</sub>O<sub>y</sub>)

Sulphur oxides (SO<sub>x</sub>)

Carbon monoxide and carbon dioxide

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- **Protective equipment:** *Wear self-contained breathing apparatus.*
- **Additional information** *Collect contaminated fire fighting water separately. It must not enter drains.*

### 6 Accidental release measures

- **Person-related safety precautions:**
  - Ensure adequate ventilation.*
  - Avoid causing dust.*
  - Avoid breathing dust.*
- **Measures for environmental protection:**
  - Do not allow to enter drainage system, surface or ground water.*
- **Measures for cleaning/collecting:**
  - Ensure adequate ventilation.*
  - Collect mechanically.*
  - Dispose of the material collected according to regulations.*

### 7 Handling and storage

- **Handling**
- **Information for safe handling:**
  - Ensure good ventilation/exhaustion at the workplace.*
  - Prevent formation of dust.*
  - Do not breathe dust.*
  - Make sure that all applicable workplace limits are observed.*
- **Information about protection against explosions and fires:** *No special measures required.*
- **Storage**
- **Requirements to be met by storerooms and containers:**
  - Observe all local and national regulations for storage of water polluting products.*
- **Information about storage in one common storage facility:** *Not required*
- **Further information about storage conditions:**
  - Store in cool, dry conditions in well sealed containers.*

### 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** *No further data; see item 7.*
- **Components with critical values that require monitoring at the workplace:**
  - Observe all workplace limits for dust:*
  - OEL total dust: 10 mg/m<sup>3</sup>*
  - OEL respirable dust: 3 mg/m<sup>3</sup>*
- **Additional information:** *The lists that were valid during the compilation were used as basis.*
- **Personal protective equipment**
- **General protective and hygienic measures**
  - Keep away from foodstuffs, beverages and food.*
  - Wash hands during breaks and at the end of the work.*
- **Breathing equipment:**
  - Use breathing protection in case of dust formation.*
  - If all workplace limits are observed and good ventilation is ensured, no special precautions necessary.*

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- **Protection of hands:** *Protective gloves*
- **Eye protection:** *Safety glasses recommended during refilling.*

### 9 Physical and chemical properties:

#### · General Information

<b>Form:</b>	<i>solid</i>
<b>Colour:</b>	<i>according to product specification</i>
<b>Smell:</b>	<i>characteristic</i>

#### · Change in condition

**Melting point/Melting range:** *Not determined*  
**Boiling point/Boiling range:** *not determined*

· **Flash point:** *not applicable*

· **Self-inflammability:** *Product is not selfigniting.*

· **Danger of explosion:** *Product is not explosive.*

· **Density** *Not determined*

#### · Solubility in / Miscibility with

**Water:** *Soluble*

· **Solids content:** *100.0 %*

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
*No decomposition if used according to specifications.*
- **Materials to be avoided:** *none*
- **Dangerous reactions** *No dangerous reactions known.*
- **Dangerous products of decomposition:**  
*Nitrogen oxides (NO<sub>x</sub>)*  
*Phosphorus oxides (e.g. P<sub>2</sub>O<sub>5</sub>)*  
*Sulphur oxides (SO<sub>x</sub>)*  
*Carbon monoxide and carbon dioxide*

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** *Longer lasting and/or repeated skin contact may cause irritation.*
- **on the eye:** *Dust particles may mechanically irritate the eye.*
- **Sensitization:** *No sensitizing effect known.*
- **Additional toxicological information:**  
*When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.*

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### 12 Ecological information:

- **Behaviour in environmental systems:**
- **Mobility and bioaccumulation potential:** *not determined*
- **Ecotoxicological effects:**
- **Aquatic toxicity:** *not determined*
- **General notes:** *Water hazard class 1 (Self-assessment): slightly hazardous for water.*

### 13 Disposal considerations

- **Product:**
- **Recommendation**  
*Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*  
*Disposal must be made according to official regulations.*
- **European waste catalogue**  
*Waste disposal key numbers from EWC have to be assigned depending on origin and processing.*
- **Uncleaned packagings:**
- **Recommendation:** *Disposal must be made according to official regulations.*

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID Class:** -

- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** -

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Transport/Additional information:** *Not dangerous according to the above specifications.*

### 15 Regulatory information

- **Designation according to EC guidelines:**  
*The product has not to be classified and labelled in accordance with EC Directives / relevant national laws.*
- **National regulations**
- **Decree to be applied in case of technical fault:** -
- **Water hazard class:** *Water hazard class 1 (Self-assessment): slightly hazardous for water.*

### 16 Other information:

*These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

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**· Department issuing data specification sheet:**

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