

# Material Safety Data Sheet

## According to 91/155 EEC

Printing date 15.12.2010

Reviewed on 15.12.2010

### 1 Identification of substance:

- **Product details:**
- **Trade name:** *Marathon Golf NPK 10-0-15+2MgO+0,5Fe*
- **Application of the substance / the preparation:** *Fertilizer*
- **Manufacturer / Supplier:**  
*Melspring International B.V.* *Phone: +31-(0)26-38420-00*  
*Arnhemsestraatweg 8* *Fax: +31-(0)26-38420-11*  
*NL-6881 NG Velp*
- **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 (CO) and Carbon dioxide (CO<sub>2</sub>)*
- **Protective equipment:** *Wear self-contained breathing apparatus.*
- **Additional information** *Collect contaminated fire fighting water separately. It must not enter drains.*

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

### 9 Physical and chemical properties:

#### · General Information

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

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- |  |
|--|
| · <b>Change in condition</b><br>Melting point/Melting range: not determined<br>Boiling point/Boiling range: not determined |
| · <b>Flash point:</b> not applicable   |
| · <b>Self-inflammability:</b> Product is not selfigniting.   |
| · <b>Danger of explosion:</b> Product is not explosive.  |
| · <b>Density</b> not determined  |
| · <b>Solubility in / Miscibility with</b><br>Water: soluble  |
| · <b>Solids content:</b> 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 (CO) and Carbon dioxide (CO<sub>2</sub>)

### 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.

### 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.

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· **Recommendation:** Disposal must be made according to official regulations.

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### 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.*

· **Department issuing MSDS:**

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Oberstraße 10                      Fax: +49 - 2151 - 652086-9

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