

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 Autumn

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

· **Manufacturer/Supplier:**

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

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· **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**

CO₂, 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_x)

Oxides of phosphorus (P_xO_y)

Sulphur oxides (SO_x)

Carbon monoxide and carbon dioxide

· **Protective equipment:** Wear self-contained breathing apparatus.

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· **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/m³

OEL respirable dust: 3 mg/m³

· **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

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· **Eye protection:** Safety glasses recommended during refilling.

9 Physical and chemical properties:

· General Information

Form:	<i>solid</i>
Colour:	<i>according to product specification</i>
Smell:	<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 (NOx)

Phosphorus oxides (e.g. P2O5)

Sulphur oxides (SOx)

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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