

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 K
- **Application of the substance / the preparation:** Fertilizer
- **Manufacturer / Supplier:**
Melspring International B.V.
Arnhemsestraatweg 8
NL-6881 NG Velp
Phone: +31-(0)26-38420-00
Fax: +31-(0)26-38420-11
- **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 (CO) and Carbon dioxide (CO₂)
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information** Collect contaminated fire fighting water separately. It must not enter drains.

GB

(Contd. on page 2)

Material Safety Data Sheet

According to 91/155 EEC

Printing date 15.12.2010

Reviewed on 15.12.2010

Trade name: **Marathon K**

(Contd. of page 1)

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

9 Physical and chemical properties:

· General Information

Form:	solid
Colour:	according to product specification
Smell:	characteristic

(Contd. on page 3)

Material Safety Data Sheet

According to 91/155 EEC

Printing date 15.12.2010

Reviewed on 15.12.2010

Trade name: **Marathon K**

(Contd. of page 2)

- **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_x)
Phosphorus oxides (e.g. P₂O₅)
Sulphur oxides (SO_x)
Carbon monoxide (CO) and Carbon dioxide (CO₂)

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.

(Contd. on page 4)

Material Safety Data Sheet

According to 91/155 EEC

Printing date 15.12.2010

Reviewed on 15.12.2010

Trade name: Marathon K

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

(Contd. of page 3)

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:**

C.S.B. GmbH Phone: +49 - 2151 - 652086-0

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

D-47829 Krefeld

Germany