

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 Allround
NPK 12-4-6+0,5Fe
- **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.

(Contd. on page 2)

Material Safety Data Sheet

According to 91/155 EEC Printing date 15.12.20 Reviewed on 15.12.2010 Trade name.

(Contd. of page 1)

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

GB

(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 Allround
NPK 12-4-6+0,5Fe

(Contd. of page 2)

9 Physical and chemical properties:

· General Information

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

· 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

GB

(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 Allround
NPK 12-4-6+0,5Fe

(Contd. of page 3)

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.
- **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.

- **Department issuing MSDS:**
 C.S.B. GmbH Phone: +49 - 2151 - 652086-0
 Oberstraße 10 Fax: +49 - 2151 - 652086-9
 D-47829 Krefeld
 Germany

GB