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

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 (NOx)
  Oxides of phosphorus (PxOy)
  Sulphur oxides (SOx)
  Carbon monoxide (CO) and Carbon dioxide (CO₂)
- Protective equipment: Wear self-contained breathing apparatus.
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 nessecary.
  - Protection of hands: Protective gloves
  - Eye protection: Safety glasses recommended during refilling.
9 Physical and chemical properties:

<table>
<thead>
<tr>
<th>General Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form:</strong> solid</td>
</tr>
<tr>
<td><strong>Colour:</strong> according to product specification</td>
</tr>
<tr>
<td><strong>Smell:</strong> characteristic</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Change in condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Melting point/Melting range:</strong> not determined</td>
</tr>
<tr>
<td><strong>Boiling point/Boiling range:</strong> not determined</td>
</tr>
</tbody>
</table>

| 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: |
|_solverable |

| 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 (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.
- **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:**
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  - Oberstraße 10                    Fax:   +49 - 2151 - 652086-9
  - D-47829 Krefeld
  - Germany