1.4 Emergency telephone number:

Labelling according to Regulation (EC) No 1272/2008

Trade name: CERETAN® ME 0418

· Further information obtainable from:
  Product Safety Department
  E-mail (MSDS): mds@munzing.com

· 1.4 Emergency telephone number: For Chemical Emergencies: CHEMTREC: +1 703 741 5970

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
   The product is not classified, according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void
Signal word Void
Hazard statements Void

2.3 Other hazards Risk of dust explosion

Results of PBT and vPvB assessment Not applicable.
PBT; None.
vPvB: None.

3.2 Chemical characterisation: Mixtures

Description: micronized polyethylene wax
Dangerous components: Void

4.1 Description of first aid measures

General information: No special measures required.
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact: Immediately wash with water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
SECTION 5: Firefighting measures

- 5.1 Extinguishing media
  - Suitable extinguishing agents: CO2, powder or water spray. Fight larger fire with alcohol resistant foam.
  - For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture
  - Formation of toxic gases is possible during heating or in case of fire.
  - In case of fire, the following can be released:
    - Carbon monoxide (CO)
    - Nitrogen oxides (NOx)
  - 5.3 Advice for firefighters
    - Protective equipment: Do not inhale explosion gases or combustion gases.
    - Additional information
      - Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
  - Avoid formation of dust.
  - Use respiratory protective device against the effects of fumes/dust/aerosol.
- 6.2 Environmental precautions: No special measures required.
- 6.3 Methods and material for containment and cleaning up: Pick up mechanically.
- 6.4 Reference to other sections
  - No dangerous substances are released.
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
  - Keep away from heat and direct sunlight.
  - Prevent formation of dust.
  - Ensure good ventilation/exhaustion at the workplace.

- Information about fire - and explosion protection:
  - Protect against electrostatic charges.
  - Dust can combine with air to form an explosive mixture.
  - Keep ignition sources away - Do not smoke.

- 7.2 Conditions for safe storage, including any incompatibilities
  - Storage:
    - Requirements to be met by storerooms and receptacles: Store in a cool location.
    - Information about storage in one common storage facility: Store away from oxidising agents.
    - Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

- 7.3 Specific end use(s) No further relevant information available.
SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.

  8.1 Control parameters
  - Ingredients with limit values that require monitoring at the workplace:
    The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
  - Additional information: The lists valid during the making were used as basis.

  8.2 Exposure controls
  - Personal protective equipment:
  - General protective and hygienic measures:
    Avoid contact with the eyes and skin.
    The usual precautionary measures are to be adhered to when handling chemicals.
    Do not inhale dust / smoke / mist.
  - Respiratory protection:
    In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
  - Protection of hands:
    Only use chemical-protective gloves with CE-labelling of category III.
    The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  - Material of gloves
    Nitrile rubber, NBR
    Recommended thickness of the material: \( \geq 0.4 \text{ mm} \)
    The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
  - Penetration time of glove material
    The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
  - Eye protection: Safety glasses
  - Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
  - General Information
  - Appearance:
    - Form: Powder
    - Colour: White
    - Odour: Specific type
    - Odour threshold: Not determined.
  - pH-value: Not applicable.
  - Change in condition
    - Melting point/freezing point: \( > 100 \degree C \)
    - Initial boiling point and boiling range: Undetermined.
  - Flash point: \( > 170 \degree C \)
  - Flammability (solid, gas): Product is not flammable.
### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
  No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** Risk of dust explosion.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials** No further relevant information available.
- **10.6 Hazardous decomposition products** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
  - **Acute toxicity** Based on available data, the classification criteria are not met.
  - **Primary irritant effect:**
  - **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
  - **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
  - **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
  - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
  - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - **Carcinogenicity** Based on available data, the classification criteria are not met.
SECTION 12: Ecological information

- **12.1 Toxicity**
  - **Aquatic toxicity**: No further relevant information available.
  - **12.2 Persistence and degradability**: No further relevant information available.
  - **12.3 Bioaccumulative potential**: No further relevant information available.
  - **12.4 Mobility in soil**: No further relevant information available.
  - **Ecotoxicological effects**:
  - **Behaviour in sewage processing plants**: Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations. Do not release untreated into natural waters.
  - **Additional ecological information**:
  - **General notes**: Not hazardous for water.
  - **12.5 Results of PBT and vPvB assessment**: According to Annex XIV of Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria. Self classification.
  - **12.6 Other adverse effects**: No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
  - **Recommendation**: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

<table>
<thead>
<tr>
<th>European waste catalogue</th>
<th>16 03 06 organic wastes other than those mentioned in 16 03 05</th>
</tr>
</thead>
</table>

- **Uncleaned packaging**:
  - **Recommendation**: Disposal must be made according to official regulations.
  - **Recommended cleansing agents**: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- **14.1 UN-Number**
  - **ADR/RID/ADN, ADN, IMDG, IATA**: Void

- **14.2 UN proper shipping name**
  - **ADR/RID/ADN, ADN, IMDG, IATA**: Void

- **14.3 Transport hazard class(es)**
  - **ADR/RID/ADN, ADN, IMDG, IATA**: Void
  - **Class**: Void

- **14.4 Packing group**
  - **ADR/RID/ADN, ADN, IMDG, IATA**: Void

(Contd. on page 6)
Trade name: CERETAN® ME 0418

---

### 14.5 Environmental hazards:
- Marine pollutant: No

### 14.6 Special precautions for user
- Not applicable.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
- Not applicable.

### Transport/Additional information:
- Not a dangerous good to the above specifications.

### UN "Model Regulation": Void

---

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- National regulations:
- Water hazard class: Not hazardous for water.

### 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

---

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### Department issuing SDS:
- Product Safety Department
- E-Mail: msds@munzing.com

#### Abbreviations and acronyms:
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative