**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- 1.1 Product identifier
  - Trade name: CERETAN® MM 8920

- 1.2 Relevant identified uses of the substance or mixture and uses advised against
  - No further relevant information available.

- 1.3 Details of the supplier of the safety data sheet
  - Manufacturer/Supplier:
    - Münzing Micro Technologies GmbH
    - Dr.-Bergius-Straße 16-24
    - 06729 Elsteraue, Germany
    - E-Mail: ceretan@munzing.com
    - Tel.: +49 3441 829 10-22

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

**SECTION 2: Hazards identification**

- 2.1 Classification of the substance or mixture
  - Classification according to Regulation (EC) No 1272/2008
    - The product is not classified as hazardous, 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

- 2.4 Results of PBT and vPvB assessment
  - Not applicable.
  - PBT: None.
  - vPvB: None.

**SECTION 3: Composition/information on ingredients**

- 3.2 Chemical characterisation: Mixtures
  - Description: micronized montan wax
  - Dangerous components: Void

**SECTION 4: First aid measures**

- 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.

(Contd. on page 2)
7.3 Specific end use(s)
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: ≥ 0.4 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: Whitish
    - Odour: Specific type
    - Odour threshold: Not determined.
  - pH-value: Not applicable.
  - Change in condition
    - Melting point/freezing point: > 80 °C
    - Initial boiling point and boiling range: Undetermined.
  - Flash point: > 200 °C
  - Flammability (solid, gas): Product is not flammable.
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· Ignition temperature: Not determined.
· Decomposition temperature: Not determined.
· Auto-ignition temperature: Product is not selfigniting.
· Explosive properties: Product is not explosive. However, formation of explosive dust/ vapour mixtures are possible.
· Explosion limits:
  Lower: Not determined.
  Upper: Not determined.
· Oxidising properties: None.
· Vapour pressure: Not applicable.
· Density:
  Bulk density: ≈ 0.4 g/cm³
  Relative density: ≈ 1.0 g/cm³
· Vapour density: Not applicable.
· Evaporation rate: Not applicable.
· Solubility in / Miscibility with water: Insoluble.
· Partition coefficient: n-octanol/water: Not determined.
· Viscosity:
  Dynamic: Not applicable.
· Solvent content:
  9.2 Other information
  Solids content: ≈ 100 %
  ST-class = 2

SECTION 10: Stability and reactivity

· 10.1 Reactivity: No further relevant information available.
· 10.2 Chemical stability
· 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.
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- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- Aspiration hazard: 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.
- Ecotoxic 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.
  - European waste catalogue
    | 16 03 06 | Organic wastes other than those mentioned in 16 03 05 |
- 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
  - Class
  - Void
- 14.4 Packing group: ADR/RID/ADN, ADN, IMDG, IATA
  - Void

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| · 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:
    · Waterhazard 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