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

· 1.1 Product identifier
   · Trade name: CERETAN® MA 7080

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

· Application of the substance / the mixture Additive

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

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures
   · Description: microized ethylenebis(stearlamide) 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)
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: White
      - Odour: Specific type
      - Odour threshold: Not determined.
    - pH-value: Not applicable.
    - Change in condition
      - Melting point/freezing point: > 140 °C
      - Initial boiling point and boiling range: Undetermined.
    - Flash point: > 280 °C
    - Flammability (solid, gas): Product is not flammable.
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- Ignition temperature: > 300 °C
- 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: ≈ 0.2 - 0.4 g/cm³
  - Relative density: ≈ 1 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:
  - Solids content: ≈ 100 %
  - 9.2 Other information: No further relevant information available.

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.
Safety data sheet  
according to 1907/2006/EC, Article 31  

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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.

(Contd. of page 4)

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 fullfilling 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.

(Contd. on page 6)

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 Void  
  · 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:
    - 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