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

· 1.1 Product identifier
  · Trade name: CERETAN® MT 9115

· 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

· 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

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, 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
    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: micronized Fischer-Tropsch 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)

Carbon monoxide (CO)

· Information about fire - and explosion protection:
  · For safety reasons unsuitable extinguishing agents: Water with full jet
  · Forming of toxic gases is possible during heating or in case of fire.
    · Carbon monoxide (CO)
    · Nitrogen oxides (NOx)

· 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

· Personal precautions, protective equipment and emergency procedures
  · Avoid formation of dust.
  · Use respiratory protective device against the effects of fumes/dust/aerosol.

· Environmental precautions
  · No special measures required.

· Methods and material for containment and cleaning up
  · Pick up mechanically.

· 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

· 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.

· 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.

· 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: > 100 °C
      - Initial boiling point and boiling range: Undetermined.
    - Flash point: > 200 °C (DIN EN ISO 2719)
    - Flammability (solid, gas): Product is not flammable.
Based on available data, the classification criteria are not met.

Vapour density

10.5 Incompatible materials:

Not applicable.

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.

LD/LC50 values relevant for classification:

Oral LD50 > 5,000 mg/kg (rat)

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.

(Contd. of page 5)
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 Easily eliminable from water.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- Ecotaxical 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 fullfuling 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 Void

(Contd. on page 6)
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)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative