

# Material Safety Data Sheet

## According to 91/155 EEC

Printing date 20.02.2007

Reviewed on 20.02.2007

### 1 Identification of the substance/preparation and of the company/undertaking

**- Product details**

**- Trade name:** MUSK

**- Application of the substance / the preparation** Textile softener

**- Manufacturer/Supplier:**

BurnusHychem GmbH  
Karl-Winnacker-Str. 22  
D-36396 Steinau an der Straße  
Telefon: +49-66 63-976-100

Telefax: +49-66 63-976-101

**- Further information obtainable from:** Telefon: +49 6151-873-699

**- Information in case of emergency:**

Beratungsstelle bei Vergiftungen, Universitätsklinikum Mainz  
Telefon: 06131-19240

### 2 Composition/information on ingredients

**- Chemical characterization**

**- Description:** Mixture of substances listed below with nonhazardous additions.

**- Dangerous components:** Void

**- Regulation (EC) No 648/2004 on detergents:**

|  |         |
|--|---------|
| cationic surfactants   | 5 - 15% |
| non-ionic surfactants  | < 5%    |
| perfumes, BUTYLPHENYL METHYLPROPIONAL, LINALOOL, HEXYL CINNAMAL, CITRONELLOL |         |

### 3 Hazards identification

**- Hazard description:** Not applicable

**- Information concerning to particular hazards to 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.

**- Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### 4 First-aid measures

**- General information:** Remove any clothing soiled by the product.

**- After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

**- After skin contact:** After contact with skin, wash with plenty of soap and water.

**- After eye contact:**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**- After swallowing:**

Rinse out mouth and then drink plenty of water.

If swallowed, do not induce vomiting; seek medical advice and show this container or label.

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(Contd. on page 2)

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(Contd. of page 1)

### 5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**  
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Do not inhale explosion gases or combustion gases.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### 6 Accidental release measures

- **Person-related safety precautions:**  
Particular danger of slipping on leaked/spilled product.  
Avoid contact with the eyes and skin.
- **Measures for environmental protection:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Dilute with plenty of water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the material collected according to regulations.
- **Additional information:**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 10 for information on "stability and reactivity".  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:**  
No special precautions are necessary if used and stored according to specifications.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Protect from heat and direct sunlight.  
Store in a cool place.  
Protect from frost.  
Keep receptacle tightly sealed.

### 8 Exposure controls/personal protection

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

(Contd. on page 3)

## Material Safety Data Sheet

### According to 91/155 EEC

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Trade name : Musk

(Contd. of page 2)

**- Personal protective equipment:****- General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

**- Respiratory protection:** Not required.**- Protection of hands:**

Protective gloves on prolonged contact with skin.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**- Material of gloves**

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:** Goggles recommended during refilling

## 9 Physical and chemical properties

**- General Information**

|                |          |
|----------------|----------|
| <b>Form:</b>   | Fluid    |
| <b>Colour:</b> | White    |
| <b>Odour:</b>  | Perfumed |

**- Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** Undetermined.

**- Flash point:** Not applicable.

**- Self-igniting:** Product is not self-igniting.

**- Danger of explosion:** Product does not present an explosion hazard.

**- Density at 20°C:** 1 g/cm<sup>3</sup>

**- Solubility in / Miscibility with water:** Fully miscible.

**- pH-value at 20°C:** 3

**- Viscosity:**

**Dynamic at 20°C:** 60 mPas

EU

(Contd. on page 4)

## Material Safety Data Sheet

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(Contd. of page 3)

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Dangerous reactions** No dangerous reactions if used and stored according to specifications.
- **Dangerous decomposition products:**  
No dangerous products of decomposition if used and stored according to specifications.

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Frequent and/or persistent contact with skin may cause skin irritation.
- **on the eye:** Slight irritant effect possible.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.  
No experimentally found toxicological data are available for this preparation.

### 12 Ecological information

- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or undiluted sewage system.  
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

### 13 Disposal considerations

- **Product:**
- **Recommendation** Disposal must be made according to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -

### 15 Regulatory information

- **Labelling according to EU guidelines:**  
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).  
Observe the general safety regulations when handling chemicals.

(Contd. on page 5)

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(Contd. of page 4)

**- National regulations:****- Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.**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.

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