

# Safety Data Sheet

## according to 1907/2006/EC, Article 31

Printing date: 26.06.2009

Revision: 26.06.2009

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

- **Product details:**
- **Trade name:** Nanotol Primer
- **Application of the substance / the preparation** Cleaning material/ Detergent
- **Supplier/Manufacturer:**  
CeNano GmbH & Co. KG  
Hochfellnstraße 13  
84427 St. Wolfgang  
Germany  
Fon: +49 (0)8085 946124  
Fax: +49 (0)8085 946123  
Homepage: <http://www.cenano.de>
- **Email competent person:** angelika.torges@kft.de
- **Information department:** See supplier/manufacturer
- **Emergency information:** National Poisons Information Centre      Tel.: +44 (0)870 6006266

### 2 Hazards identification

- **Hazard description:** not applicable
- **Information pertaining to particular dangers for man and environment:**  
No hazards to be particularly mentioned. Please note the information of this Material Safety Data Sheet.
- **Classification system:**  
The classification was made according to the latest editions of the EC-lists, and expanded using company data and specialized literature.

### 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Aqueous solution of surfactants and complexing agents.
- **Dangerous components:**

CAS: 68439-46-3	Alcohols, C9-11, ethoxylated Xi; R 38-41	< 2.5%
CAS: 61788-90-7	Amines, coco alkyldimethyl, N-oxides	< 2.5%
EINECS: 263-016-9	Xi, N; R 38-41-50	
	Quaternary coco alkyl methyl amine ethoxylate methyl chloride	< 2.5%
	Xn, Xi, N; R 22-38-41-50	
- **Regulation (EC) No 648/2004 on detergents / Labelling for contents**  
NTA (nitrilotriacetic acid) and salts thereof, non-ionic surfactants  
< 5%
- **Additional information** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

- **General information:** If symptoms persist or in case of doubt seek medical advice.
- **After inhalation:**  
In case of inhalative exposure to vapours/aerosols during processing:  
Supply fresh air and be sure to call for a doctor.
- **After skin contact:** Wash with water.
- **After eye contact:**  
Rinse the eyes with open eyelids for 10 - 15 minutes with water.  
If symptoms persist consult a doctor.

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- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting. Risk of asphyxia due to formation of foam.  
Immediately consult a physician and show the packing, the label or this safety data sheet.
- **Information for doctor:**
- **Treatment:** Symptomatic treatment

### 5 Fire fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Use fire fighting measures that suit the environment.
- **Special hazards caused by the material, its products of combustion or resulting gases:** No hazards known
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information:**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.  
Collect contaminated fire fighting water separately. It must not enter the sewage system.

### 6 Accidental release measures

- **Person-related safety precautions:**  
Wear protective clothing.  
Avid contact with eyes and skin.  
Particular danger of slipping on leaked/spilled product.
- **Measures for environmental protection:**  
The following information refer to the leakage of large quantities:  
Do not allow product to reach sewage system or any water course.  
Do not allow to penetrate the ground/soil.
- **Measures for cleaning/collecting:**  
Dam up larger quantities and pump into containers.  
Small quantities:  
If spilled/leaked: absorb main quantity with cloth.  
Send for recovery or disposal in suitable receptacles.

### 7 Handling and storage

- **Handling**
- **Information for safe handling:** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store at ambient temperature.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from feed.
- **Further information about storage conditions:** Protect from frost.

### 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components 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 that were valid during the creation were used as basis.

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- **Personal protective equipment**
- **General protective and hygienic measures:**  
The usual precautionary measures should be adhered to when handling chemicals.  
Avoid close or long term contact with the skin.  
Avoid contact with the eyes.  
Use skin protection cream for skin protection.  
The following instructions regarding the protective equipment refer to the industrial use of larger quantities.
- **Breathing equipment:** Not required.
- **Protection of hands:**  
At longer contact: protective gloves  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation  
After use of gloves apply skin-cleaning agents and skin cosmetics.
- **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.
- **Penetration time of glove material:**  
The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.
- **Body protection:** Protective work clothing.

### 9 Physical and chemical properties:

#### · General Information

<b>Form:</b>	Fluid
<b>Colour:</b>	Clear Yellowish
<b>Odour:</b>	Characteristic Light Aromatic

#### · Change in condition:

**Melting point/Melting range:** not determined

**Boiling point/Boiling range:** not determined

- **Flash point:** not applicable
  - **Self ignition temperature:** Product is not self-igniting.
  - **Danger of explosion:** Product does not present an explosion hazard.
  - **Density at 20°C:** ~ 1.0 g/cm<sup>3</sup>
  - **Solubility in / Miscibility with**
- |               |         |
|---------------|---------|
| <b>Water:</b> | Soluble |
|---------------|---------|

### 10 Stability and reactivity

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

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### 11 Toxicological information

- **Acute toxicity:**
  - **LD/LC50 values that are relevant for classification:**
- 68439-46-3 Alcohols, C9-11, ethoxylated**  
Oral LD<sub>50</sub> > 2000 mg/kg (rat)
- Quaternary coco alkyl methyl amine ethoxylate methyl chloride**  
Oral LD<sub>50</sub> 300- < 2000 mg/kg (rat)
- **Primary irritant effect:**
  - **on the skin:** May cause irritation to the skin.
  - **on the eye:** Light irritation possible
  - **Sensitization:** No sensitizing effects known.
  - **Additional toxicological information:**  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

### 12 Ecological information

- **Ecotoxicological effects:**
  - **Aquatic toxicity:**
- 68439-46-3 Alcohols, C9-11, ethoxylated**  
EC<sub>50</sub>/48h 1-10 mg/l (daphnia magna)  
LC<sub>50</sub>/96h 2.4 mg/l (fish)
- Quaternary coco alkyl methyl amine ethoxylate methyl chloride**  
EC<sub>50</sub>/48h 0.1-1.0 mg/l (daphnia magna)  
EC<sub>50</sub>/72h 0.1-1.0 mg/l (algae)
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
According to appendix 4 of VwVwS dated 27.7.2005 (German regulation)  
Do not allow undiluted product or large quantities of it to reach ground water, water course or 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 according to instructions of local authorities.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** No hazardous good according to the regulation.
- **Maritime transport IMDG:**
- **IMDG Class:** No hazardous good according to the regulation.
- **Marine pollutant:** No

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- **Air transport ICAO-TI and IATA-DGR:**
  - **ICAO/IATA Class:** No hazardous good according to the regulation.
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**15 Regulatory information:**

- **Markings according to EC guidelines:** The product has been classified according to EC-directives.
  - **Special labelling of certain preparations:**  
Safety data sheet available for professional user on request.
  - **National regulations**
  - **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
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**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.

- **Relevant R-phrases:**  
as mentioned in chapter 3 of the safety data sheet ( not relevant for labelling of the product)  
22 Harmful if swallowed.  
38 Irritating to skin.  
41 Risk of serious damage to eyes.  
50 Very toxic to aquatic organisms.
  - **Department issuing MSDS:**  
KFT Chemieservice GmbH  
Marienstr. 3 D-64347 Griesheim  
Postfach 1451 D-64345 Griesheim  
Tel.: +49-6155-823241  
Fax: +49-6155-823246
  - **Contact:** Angelika Torges
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