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## 1 Identification of substance

- **Product details**
- **Trade name:** Lanadol Licker
- **Article number:** 2208-AA-001
- **Application of the substance / the preparation**  
Leather oiling agent for treatment of leather and suedes in wet cleaning and for re- oiling cleaned leather in a spraying process
- **Manufacturer/Supplier:**  
Chemische Fabrik Kreussler & Co. GmbH  
Postfach 120454  
D-65082 Wiesbaden
- **Information department:**  
Abteilung TQM  
Herr Vogel  
+49 (0) 611 9271-175

## 2 Composition/Data on components

- **Chemical characterization**
- **Description:** A combination of natural fats and oils with synthetic re-oiling substances

- **Dangerous components:**

	Oleinacid Monoethanolamid, ethoxyliert	Xi; R 38	10-25%
112-34-5	2-(2-butoxyethoxy)ethanol	Xi; R 36	2.5-10%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 3 Hazards identification

- **Hazard description:** Not applicable.
- **Information pertaining to particular dangers for 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 was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **NFPA ratings (scale 0 - 4)**  
Health = 0  
Fire = 1  
Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**  
Health = 0  
Fire = 1  
Reactivity = 0

## 4 First aid measures

- **General information:** No special measures required.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

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(Contd. on page 2)

**Trade name: Lanadol Licker**

(Contd. of page 1)

### 5 Fire fighting measures

- **Suitable extinguishing agents:**  
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:**  
Small spills - wash to sanitary sewer with plenty of water. Large spills - soak up with approved absorbent, shovel produkt into approved container for disposal. Wash area with plenty of water.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **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:** None.

### 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.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Eye protection:** Goggles recommended during refilling.

### 9 Physical and chemical properties

· **General Information**

<b>Form:</b>	Fluid
<b>Color:</b>	Yellow
<b>Odor:</b>	Characteristic

· **Change in condition**

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

· **Flash point:** >100°C (>212°F)

· **Auto igniting:** Product is not selfigniting.

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

(Contd. on page 3)

**Trade name: Lanadol Licker**

(Contd. of page 2)

- |  |                       |
|--|-----------------------|
| · <b>Density at 20°C (68°F):</b>                 | 1.0 g/cm <sup>3</sup> |
| · <b>Solubility in / Miscibility with Water:</b> | Emulsifiable.         |
| · <b>pH-value at 20°C (68°F):</b>                | 8                     |
| · <b>Viscosity:</b><br>Dynamic at 20°C (68°F):   | 100-150 mPas          |
| · <b>Solvent content:</b><br>Organic solvents:   | 8 %                   |

## 10 Stability and reactivity

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

## 11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**  
Acute oral toxicity: >2000mg/kg (Rats)  
calculated from data of constituent parts.
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

## 12 Ecological information

- **General notes:**  
On the basis of the raw materials data, including in the product, the following ecological data are to be expected.  
readily bio-degradable  
The surfactants including the product are biologically degradable to at least 90% (surfactant regulations of 4.6.86).

## 13 Disposal considerations

- **Product:**
- **Recommendation:** Dispose of in accordance with local, state, and federal Regulations.
- **Uncleaned packagings:**
- **Recommendation:** Packaging can be reused or recycled after cleaning.

## 14 Transport information

- **DOT regulations:**
- **Hazard class:** -
- **Packing group:** -
- **Label:** -

(Contd. on page 4)

Trade name: Lanadol Licker

(Contd. of page 3)

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

- ADR/RID class: -
- Danger code (Kemler): -
- UN-Number: -
- Packaging group: -

- Maritime transport IMDG:

- IMDG Class: -
- UN Number: -
- Label: -
- Packaging group: -
- EMS Number: -
- Marine pollutant: No

- Air transport ICAO-TI and IATA-DGR:

- ICAO/IATA Class: -
- UN/ID Number: -
- Label: -
- Packaging group: -

## 15 Regulations

- Sara

- Section 355 (extremely hazardous substances):

None of the ingredient is listed.

- Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

- TSCA (Toxic Substances Control Act):

None of the ingredients is listed.

- Proposition 65

- Chemicals known to cause cancer:

None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity:

None of the ingredients is listed.

- Cancerogeny categories

- EPA (Environmental Protection Agency)

None of the ingredients is listed.

- IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

- NTP (National Toxicology Program)

None of the ingredients is listed.

- TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

- MAK (German Maximum Workplace Concentration)

None of the ingredients is listed.

- NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

- OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

(Contd. on page 5)

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**Trade name: Lanadol Licker**

(Contd. of page 4)

**· Canada WHMIS**

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the informations required by the CPR.

- **WHMIS Class** Not regulated under WHMIS

**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 MSDS:**

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- **Contact:** Herr Vogel

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