

# Material Safety Data Sheet

## According to 91/155 EC

Printing date: 27.02.2003

Reviewed on: 27.02.2003

### \* 1 Identification of substance:

- **Product details:**

- **Trade name:** Milk test, colourless, red, blue

- **Application of the substance / the preparation** Milktest

- **Supplier/Manufacturer:**

Raidex GmbH  
Neuhäuser Str. 17  
D-72581 Dettingen/Erms  
Tel.: +49-7123-9751-0

Fax: +49-7123-9751-33

- **Information department:** see above

- **Emergency information:** National Poisons Information Centre      Tel.: +44-171-9555095370

### \* 2 Composition/Data on components:

- **Chemical characterization**

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

- **Dangerous components:**

|   |        |
|---|--------|
| derivate of an aliphatic alcohol<br>Xi; R 36/38 | 10-25% |
|---|--------|

|   |        |
|---|--------|
| 85711-69-9 Sulfonic acids, C13-17-sec-alkane, sodium salts<br>Xi; R 38-41 | < 2.5% |
|---|--------|

- **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:**

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 EU-lists, and expanded using company data and specialized literature.

### \* 4 First aid measures

- **General information:** No special measures required.

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:**

Wash with water.

Generally the product does not irritate the skin.

- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**

Rinse out mouth and then drink plenty of water.

Never give anything by mouth to a unconscious person.

If symptoms persist consult doctor.

### \* 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:**

Dangerous decomposition product see chapter 10: stability and reactivity

- **Protective equipment:** Wear self-contained respiratory protective device.

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- **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:** Not required.

- **Measures for environmental protection:**

Do not allow product to reach sewage system or any water course.  
Do not allow to penetrate the ground/soil.

- **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Send for recovery or disposal in suitable receptacles.  
Dispose contaminated material as waste according to item 13.

#### \* 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 room temperature

- **Information about storage in one common storage facility:** Store away from foodstuffs.

- **Further information about storage conditions:** Keep receptacle tightly sealed.

#### \* 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:**

Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

- **Breathing equipment:** Not required.

- **Protection of hands:**

Not required.  
Preventive skin protection by use of skin-protecting agents is recommended.

- **Material of gloves:** -

- **Penetration time of glove material:** -

- **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> | According to product specification |
| <b>Odour:</b>  | Characteristic                     |

- **Change in condition:**

**Melting point/Melting range:** undetermined

**Boiling point/Boiling range:** undetermined

- **Flash point:** not applicable

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- **Self igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Vapour pressure at 20°C:** 23 hPa
- **Density:** Not determined
- **Solubility in / Miscibility with Water:** Fully miscible
- **pH-value at 20°C:** ~ 7

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.
- **Dangerous products of decomposition:**  
In the case of fire or at high temperatures the formation of the following decomposition products is possible.  
Carbon monoxide and carbon dioxide

### 11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**  
**85711-69-9 Sulfonic acids, C13-17-sec-alkane, sodium salts**  
Oral LD50 > 2000 mg/kg (rat)
- **Primary irritant effect:**
- **on the skin:** Mild irritation of the skin is possible for persons with a sensitive skin.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant

### \*12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:** The product is biodegradable.
- **Ecotoxicological effects:**
- **Acquatic toxicity:**  
**85711-69-9 Sulfonic acids, C13-17-sec-alkane, sodium salts**  
LC50/96h 1-5 mg/L (zb)  
  
**derivate of an aliphatic alcohol**  
LC50/96h 15 mg/L (rainbow trout)
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
According to appendix 4 of VwVwS dated 17.05.1999 (German regulation)  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Danger to drinking water is possible if large quantities leak into the ground or into water course.

### 13 Disposal considerations

- **Product:**
- **Recommendation:** Disposal according to instructions of local authorities.
- **European waste catalogue:**  
07 01 99 wastes not otherwise specified
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

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- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

#### \* 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -  
No hazardous good according to the regulation.
- **Description of goods:** Corrosive liquid, basic, organic, n.o.s., sodium hydroxide
- **Maritime transport IMDG:**
- **IMDG Class:** -  
No hazardous good according to the regulation.
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -  
No hazardous good according to the regulation.

#### \* 15 Regulations

- **Markings according to EC guidelines:**  
The substance is not subject to classification according to EU lists and other sources of literature known to us.  
Observe the general safety regulations when handling chemicals
- **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.

#### 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.

- **Reasons for amendments:**  
EC-directive: 2001/58/EC  
EC directive: 1999/45/EC  
General revision
- **Relevant R-phrases:**  
36/38 Irritating to eyes and skin.  
38 Irritating to skin.  
41 Risk of serious damage to eyes.
- **Department issuing MSDS:**  
KFT-Chemieservice Marienstr. 3 D-64347 Griesheim  
Postfach 1451 D-64345 Griesheim  
Tel.: +49-6155-823241 Fax: +49-6155-823246
- **Contact:** Angelika Torges
- **\* Data compared to the previous version altered.**  
Changes have been made to chapters marked with a \*, as compared to the previous version.