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

- **1.1 Product identifier**
  - Trade name: SÜDRANOL® 195

- **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: Süddeutsche Emulsions-Chemie GmbH
  - Rhenaniastraße 46
  - D-68199 Mannheim, Germany
  - E-Mail: info@munzing.com
  - Tel.: +49 (0) 621/84487-0

- **Further information obtainable from:**
  - Product Safety Department
  - E-mail (MSDS): msds@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 Void
  - Additional information:
    - Contains 1,2-benzoisothiazol-3(2H)-one. May produce an allergic reaction.
    - Safety data sheet available on request.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**
  - PBT: None.
  - vPvB: None.

**SECTION 3: Composition/information on ingredients**

- **3.2 Chemical characterisation: Mixtures**
  - **Description:** Mixture of substances listed below with nonhazardous additions.

  - **Dangerous components:**
    - CAS: 78330-20-8 Alcohols, C9-11-iso-, C10-rich, ethoxylated 5-%<10%
    - Polymer: **EYE Dam. 1, H318, Acute Tox. 4, H302**

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
  - **General information:** Immediately 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.
  - **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 2)
\textbf{SECTION 5: Firefighting measures}

- 5.1 Extinguishing media
  - Suitable extinguishing agents:
    CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
    Use fire extinguishing methods suitable to surrounding conditions.
  - For safety reasons unsuitable extinguishing agents: Water with full jet

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.

- 5.3 Advice for firefighters
  - Protective equipment: Do not inhale explosion gases or combustion gases.
  - Additional information
    Product contains water and is non-combustible.
    Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

\textbf{SECTION 6: Accidental release measures}

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing.
- 6.2 Environmental precautions:
  Dilute with plenty of water.
  Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Ensure adequate ventilation.

- 6.4 Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

\textbf{SECTION 7: Handling and storage}

- 7.1 Precautions for safe handling Keep away from heat and direct sunlight.
  - Information about fire - and explosion protection:
    Protect from heat.
    The product is not flammable.

- 7.2 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: Not required.
  - Further information about storage conditions:
    Protect from frost.
    Store in cool, dry conditions in well sealed receptacles.

- 7.3 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:**
      The usual precautionary measures are to be adhered to when handling chemicals.
      Avoid contact with the eyes and skin.
    - **Respiratory protection:** Use suitable respiratory protective device only when aerosol or mist is formed.
    - **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.
      Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
    - **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**
      For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level 6).
      The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
      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:** Fluid
      - **Colour:** Whitish
      - **Odour:** Characteristic
      - **Odour threshold:** Not determined.
    - **pH-value (20 g/l) at 20 °C:** ≈ 9.0 (DIN ISO 976)
  - **Change in condition**
    - **Melting point/freezing point:** Undetermined.
    - **Initial boiling point and boiling range:** ≈ 100 °C (Water)
Safety data sheet
according to 1907/2006/EC, Article 31

Trade name: SÜDRANOL® 195

- Flash point: > 100 °C (DIN EN ISO 2719)
- Flammability (solid, gas): Not applicable.
- Ignition temperature: Not determined.
- Decomposition temperature: Not determined.
- Auto-ignition temperature: Product is not selfigniting.
- Explosive properties: Product does not present an explosion hazard.
- Explosion limits: Oxidising properties None.
- Vapour pressure at 20 °C: ≈ 23.4 hPa
- Density at 20 °C: ≈ 1.0 g/cm³ (DIN EN ISO 2811-1)
- Evaporation rate: Not determined.
- Solubility in / Miscibility with water: Fully miscible.
- Partition coefficient: n-octanol/water: Not determined.
- Viscosity:
  Dynamic at 20 °C: < 1000 mPas (DIN EN ISO 3219)
- 9.2 Other information: No further relevant information available.

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: No dangerous reactions known.
  - 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) |
| Dermal | LD50  | >2,000 mg/kg (rat) |

CAS: 78330-20-8 Alcohols, C9-11-iso-, C10-rich, ethoxylated

| Oral  | LD50  | >2,000 mg/kg (rat) |
| Dermal | LD50  | >2,000 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.
12.6 Other adverse effects

- Aspiration hazard: Based on available data, the classification criteria are not met.

- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information**

- **12.1 Toxicity**
  
  - **Aquatic toxicity:**
    
    | LC50 | >100 mg/l (fish) (96 h) |
    |------|-------------------------|

  CAS: 78330-20-8 Alcohols, C9-11-iso-, C10-rich, ethoxylated

<table>
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<tr>
<th>LC50</th>
<th>&gt;100 mg/l (fish) (Leuciscus idus / 96 h)</th>
</tr>
</thead>
</table>

- **12.2 Persistence and degradability**
  The contained surfactants are easily biodegradable
  Easily biodegradable

  - **Degree of elimination:** >80% (28d), referring to COD (manometric respirometry test)

- **12.3 Bioaccumulative potential:** Does not accumulate in organisms

- **12.4 Mobility in soil:** No further relevant information available.

- **Ecotoxicological 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:
  Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
  Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **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 fulfilling 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.

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

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

(Contd. on page 6)
**SECTION 14: Transport information**

<table>
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<tr>
<th>14.1 UN-Number</th>
<th>ADR/RID/ADN, ADN, IMDG, IATA</th>
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<td>14.3 Transport hazard class(es)</td>
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<td>14.4 Packing group</td>
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<td>14.5 Environmental hazards:</td>
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<td>14.6 Special precautions for user</td>
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<td>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</td>
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<td>Not applicable.</td>
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<td>Not a dangerous good to the above specifications.</td>
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<td>UN &quot;Model Regulation&quot;:</td>
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**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: Water hazard class 1 (German AnSV, Self-assessment): slightly 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.

- **Relevant phrases**
  - H302 Harmful if swallowed.
  - H318 Causes serious eye damage.

- **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 |
| Acute Tox. 4: Acute toxicity – Category 4 |
| Eye Dam. 1: Serious eye damage/eye irritation – Category 1 |