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

1.1 Product identifier

- Product name: LOBACARE Grundreiniger Spezial
- Article number: 10069-000

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier: LOBA GmbH & Co. KG
  Leonberger Straße 56 - 62
  D-71254 Ditzingen
  Tel.: +49 (0)7156/357-0

- Informing department:
  Productmanagement
  e-mail: service@loba.de

1.4 Emergency telephone number:

Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008
  The product is classified and labelled according to the CLP regulation.

- Hazard pictograms

GHS05

- Signal word: Danger

- Hazard-determining components of labelling:
  iso-tridecanole, ethoxylated (> 5-20 EO)

- Hazard statements
  H318 Causes serious eye damage.

- Precautionary statements
  P101 If medical advice is needed, have product container or label at hand.
  P102 Keep out of reach of children.
  P103 Read label before use.
  P280 Wear protective gloves / eye protection.
  P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.
  P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P310 Immediately call a POISON CENTER/doctor.
  P332+P313 If skin irritation occurs: Get medical advice/attention.

(Contd. on page 2)
**SECTION 3: Composition/information on ingredients**

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

<table>
<thead>
<tr>
<th>CAS</th>
<th>EC number</th>
<th>Index number</th>
<th>Reg.nr.</th>
<th>Description</th>
<th>Hazard Phrases</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>69011-36-5</td>
<td>931-138-8</td>
<td>603-002-00-5</td>
<td>01-2119976362-32</td>
<td>iso-tridecanole, ethoxylated (&gt; 5-20 EO)</td>
<td>Eye Dam. 1, H318; Acute Tox. 4, H302</td>
<td>10-25%</td>
</tr>
<tr>
<td>64-17-5</td>
<td>200-578-6</td>
<td>603-117-00-0</td>
<td>01-2119457610-43-xxxx</td>
<td>ethanol</td>
<td>Flam. Liq. 2, H225</td>
<td>5-10%</td>
</tr>
<tr>
<td>67-63-0</td>
<td>200-661-7</td>
<td>603-114-00-0</td>
<td>01-2119457558-25</td>
<td>propan-2-ol</td>
<td>Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336</td>
<td>2.5-5%</td>
</tr>
<tr>
<td>111-76-2</td>
<td>203-905-0</td>
<td>603-014-00-0</td>
<td>01-2119475108-36-xxxx</td>
<td>2-butoxyethanol</td>
<td>Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319</td>
<td>2.5-5%</td>
</tr>
<tr>
<td>1336-21-6</td>
<td>215-647-6</td>
<td>007-001-01-2</td>
<td>01-2119488876-14</td>
<td>ammonia, aqueous solution</td>
<td>Skin Corr. 1B, H314; Aquatic Acute 1, H400</td>
<td>≥0.25-&lt;0.5%</td>
</tr>
</tbody>
</table>

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

* **SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
  - **After inhalation** Supply fresh air; consult doctor in case of symptoms.
  - **After skin contact** The product is not skin irritating.
  - **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
  - **After swallowing** In case of persistent symptoms consult doctor.

- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

- **4.3 Indication of any immediate medical attention and special treatment needed**
  No further relevant information available.

* **SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
  - **Suitable extinguishing agents** Use fire fighting measures that suit the environment.

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

(Contd. on page 3)
SECTION 6: Accidental release measures

- 5.3 Advice for firefighters
  - Protective equipment: No special measures required.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
  - Keep containers tightly sealed.
  - Ensure good ventilation/exhaustion at the workplace.
  - Prevent formation of aerosols.

- 7.2 Conditions for safe storage, including any incompatibilities
  - Storage
    - Requirements to be met by storerooms and containers: No special requirements.
    - Information about storage in one common storage facility: Not required.
    - Further information about storage conditions: Keep container tightly sealed.

- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

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

- 8.1 Control parameters
  - Components with critical values that require monitoring at the workplace:
    - 64-17-5 ethanol
      - WEL Long-term value: 1920 mg/m³, 1000 ppm
    - 67-63-0 propan-2-ol
      - WEL Short-term value: 1250 mg/m³, 500 ppm
      - Long-term value: 999 mg/m³, 400 ppm
    - 111-76-2 2-butoxyethanol
      - WEL Short-term value: 246 mg/m³, 50 ppm
      - Long-term value: 123 mg/m³, 25 ppm
      - Sk, BMGV

(Contd. on page 4)
Ingredients with biological limit values:

<table>
<thead>
<tr>
<th>111-76-2 2-butoxyethanol</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMGV</td>
</tr>
<tr>
<td>Medium: urine</td>
</tr>
<tr>
<td>Sampling time: post shift</td>
</tr>
<tr>
<td>Parameter: butoxyacetic acid</td>
</tr>
</tbody>
</table>

- Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

- Personal protective equipment
- General protective and hygienic measures
  Instantly remove any soiled and impregnated garments.
  Wash hands during breaks and at the end of the work.
  Avoid contact with the eyes.

- Breathing equipment:
  In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

- Protection of hands:
  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

- Material of gloves
  Nitrile rubber, NBR
  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.
  Recommended thickness of the material: ≥ 0.4 mm

- Penetration time of glove material
  The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
  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).
  Value for the permeation: Level ≤ 6

- Eye protection: Tightly sealed safety glasses.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
  - General Information
    - Appearance:
      - Form: Fluid
      - Colour: According to product specification
    - Smell: Recognisable
    - Odour threshold: Not determined.
  - pH-value at 20 °C: 9.8
  - Change in condition
    - Melting point/freezing point: Not determined
    - Initial boiling point and boiling range: Not determined
  - Flash point: Not applicable

(Contd. on page 5)
**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 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 that are relevant for classification:**
- **69011-36-5 iso-tridecanole, ethoxylated (> 5-20 EO)**
  - Oral LD50 >10,000 mg/kg (rat)
- **64-17-5 ethanol**
  - Oral LD50 7,060 mg/kg (rat)
  - Inhalative LC50/4 h 20,000 mg/l (rat)
- **67-63-0 propan-2-ol**
  - Oral LD50 5,840 mg/kg (rat)
  - Dermal LD50 13,400 mg/kg (rab)
  - Inhalative LC50/4 h 30 mg/l (rat)

(Contd. on page 6)
**Product name:** LOBACARE Grundreiniger Spezial

**111-76-2 2-butoxyethanol**

<table>
<thead>
<tr>
<th></th>
<th>Oral</th>
<th>Dermal</th>
<th>Inhalative</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50</td>
<td>1,480 mg/kg (rat)</td>
<td>400 mg/kg (rab)</td>
<td>450 mg/l (rat)</td>
</tr>
</tbody>
</table>

**Primary irritant effect:**

- Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- Serious eye damage/irritation: Causes serious eye damage.
- Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): Based on available data, the classification criteria are not met.
- 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.
- Aspiration hazard: Based on available data, the classification criteria are not met.

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**SECTION 12: Ecological information**

- 12.1 Toxicity
  - Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability: No further relevant information available.
- 12.3 Bioaccumulative potential: No further relevant information available.
- 12.4 Mobility in soil: No further relevant information available.
- Additional ecological information:
  - General notes:
    - Water hazard class 1 (Self-assessment): slightly hazardous for water.
    - Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- 12.5 Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- 12.6 Other adverse effects: No further relevant information available.

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**SECTION 13: Disposal considerations**

- 13.1 Waste treatment methods
  - Recommendation:
    - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
    - After prior treatment product has to be landfilled or incinerated under adherence to the regulations pertaining to the disposal of especially hazardous waste.
- European waste catalogue
  - 20 00 00 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
  - 20 01 00 separately collected fractions (except 15 01)
  - 20 01 30 detergents other than those mentioned in 20 01 29
- Uncleaned packagings:
  - Recommendation: Disposal must be made according to official regulations.
**Product name LOBACARE Grundreiniger Spezial**

- Recommended cleaning agent: Water, if necessary with cleaning agent.

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**SECTION 14: Transport information**

- 14.1 UN-Number
  - ADR, ADN, IMDG, IATA: Void

- 14.2 UN proper shipping name
  - ADR, ADN, IMDG, IATA: Void

- 14.3 Transport hazard class(es)
  - ADR, ADN, IMDG, IATA: Void

- 14.4 Packing group
  - ADR, IMDG, IATA: Void

- 14.5 Environmental hazards:
  - Marine pollutant: No

- 14.6 Special precautions for user: Not applicable.

- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable.

- UN "Model Regulation": Void

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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.
  - REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

- National regulations
  - Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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**SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Alteration in the context will be marked with a cross (*).

- Relevant phrases
  - H225 Highly flammable liquid and vapour.
  - H302 Harmful if swallowed.
  - H312 Harmful in contact with skin.
  - H314 Causes severe skin burns and eye damage.
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.
  - H319 Causes serious eye irritation.
  - H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.

· **Department issuing data specification sheet**: Productmanagement.

· **Abbreviations and acronyms**:

  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - ICAO: International Civil Aviation Organisation
  - 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
  - Flam. Liq. 2: Flammable liquids – Category 2
  - Acute Tox. 4: Acute toxicity - oral – Category 4
  - Skin Corr. 1B: Skin corrosion/irritation – Category 1B
  - Skin Irrit. 2: Skin corrosion/irritation – Category 2
  - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
  - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
  - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
  - Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

· **Data compared to the previous version altered.**