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

1.1 Product identifier

- **Product name**: LOBA Hygiene-Gel
- **Article number**: 10074-000

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

  - GHS02 flame
  - Flam. Liq. 2 H225 Highly flammable liquid and vapour.

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

  - GHS02

2.3 Other hazards

- Results of PBT and vPvB assessment
  - **PBT**: Not applicable.
  - **vPvB**: Not applicable.
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>Dangerous components:</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 64-17-5</td>
</tr>
<tr>
<td>EINECS: 200-578-6</td>
</tr>
<tr>
<td>Index number: 603-002-00-5</td>
</tr>
<tr>
<td>Reg.nr.: 01-2119457610-43-xxxx</td>
</tr>
<tr>
<td>ethanol</td>
</tr>
<tr>
<td>Flam. Liq. 2, H225</td>
</tr>
<tr>
<td>50-100%</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.
  · 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
    CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

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

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

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:
  Do not allow product to reach sewage system or water bodies.
  Prevent material from reaching sewage system, holes and cellars.
  Inform respective authorities in case product reaches water or sewage system.
  Dilute with much 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 information on disposal.
SECTION 7: Handling and storage

7.1 Precautions for safe handling
Keep containers tightly sealed.
Store in cool, dry conditions in well sealed containers.

Information about protection against explosions and fires:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

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

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 Wash hands during breaks and at the end of the work.

Breathing equipment: Not required.

Protection of hands:
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: ≥ 0.1 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: Viscous
    - Colour: Colourless
  - **Smell:** Alcohol-like
  - **Odour threshold:** Not determined.
  - **pH-value at 20 °C:** 5.8
  - **Change in condition**
    - Melting point/freezing point: Not determined
    - Initial boiling point and boiling range: 78 °C
  - **Flash point:** 13 °C
  - **Inflammability (solid, gaseous):** Not applicable.
  - **Decomposition temperature:** Not determined.
  - **Self-inflammability:** Product is not self-igniting.
  - **Explosive properties:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.
    - **Lower:** 3.5 Vol %
    - **Upper:** 15 Vol %
  - **Steam pressure at 20 °C:** 57 hPa
  - **Density at 20 °C:** 0.857 g/cm³
  - **Relative density:** Not determined.
  - **Vapour density:** Not determined.
  - **Evaporation rate:** Not determined.
  - **Solubility in / Miscibility with Water:** Fully miscible
  - **Partition coefficient: n-octanol/water:** Not determined.
  - **Viscosity:**
    - dynamic: Not determined.
    - kinematic: Not determined.
  - **Solids content:** 0.5 %
  - **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 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

(Contd. on page 5)
SECTION 11: Toxicological information

11.1 Information on toxicological effects

- **Acute toxicity**: Based on available data, the classification criteria are not met.
- **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.
  - **CMR effects (carcinoegenicity, mutagenicity and toxicity for reproduction)**
    - **Germ cell mutagenicity**: Based on available data, the classification criteria are not met.
    - **Carcinoegenicity**: 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.

SECTION 12: Ecological information

12.1 Toxicity

- **Aquatic toxicity**: No further relevant information available.

12.2 Persistence and degradability

- **Bioaccumulative potential**: No further relevant information available.

12.3 Mobility in soil

- **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.

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**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 00 00</td>
<td>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</td>
</tr>
<tr>
<td>20 01 00</td>
<td>separately collected fractions (except 15 01)</td>
</tr>
<tr>
<td>20 01 29*</td>
<td>detergents containing hazardous substances</td>
</tr>
</tbody>
</table>

- **Uncleaned packagings**:
  - **Recommendation**: Disposal must be made according to official regulations.
  - **Recommended cleaning agent**: Water, if necessary with cleaning agent.
**SECTION 14: Transport information**

- **14.1 UN-Number**
  - ADR, IMDG, IATA  UN1170

- **14.2 UN proper shipping name**
  - ADR  1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
  - IMDG  ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
  - IATA  ETHANOL SOLUTION

- **14.3 Transport hazard class(es)**
  - ADR, IMDG, IATA

  - **Class**
    - 3 Flammable liquids.
  - **Label**
    - 3

- **14.4 Packing group**
  - ADR, IMDG, IATA  II

- **14.5 Environmental hazards**:
  - Not applicable.

- **14.6 Special precautions for user**
  - Warning: Flammable liquids.
  - Kemler Number: 33
  - EMS Number: F-E,S-D
  - Stowage Category  A

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

- **Transport/Additional information**:

  - **ADR**
    - Limited quantities (LQ)  1L
    - Excepted quantities (EQ)  Code: E2
    - Maximum net quantity per inner packaging: 30 ml
    - Maximum net quantity per outer packaging: 500 ml
  - Transport category  2
  - Tunnel restriction code  D/E

  - **IMDG**
    - Limited quantities (LQ)  1L
    - Excepted quantities (EQ)  Code: E2
    - Maximum net quantity per inner packaging: 30 ml
    - Maximum net quantity per outer packaging: 500 ml

- **UN "Model Regulation":**
  - UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II

**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.
Product name LOBA Hygiene-Gel

- **Seveso category** P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **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.

**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.

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

- **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)
  
  PBT: Persistent, Bioaccumulative and Toxic
  
  vPvB: very Persistent and very Bioaccumulative
  
  Flam. Liq. 2: Flammable liquids – Category 2

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