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

· 1.1 Product identifier
  · Product name LOBADUR PrimaSeal Plus

· 1.2 Relevant identified uses of the substance or mixture and uses advised against
  · Application of the substance / the mixture: Priming
  · 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

· 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.
    GHS07
    Eye Irrit. 2 H319 Causes serious eye irritation.

· 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 GHS07

· 2.3 Signal word Danger
· Hazard statements
  · H225 Highly flammable liquid and vapour.
  · H319 Causes serious eye irritation.
· Precautionary statements
  · P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  · P241 Use explosion-proof equipment.
  · P280 Wear protective gloves / eye protection.
Product name LOBADUR PrimaSeal Plus

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.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- 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.

- Dangerous components:

| CAS: 64-17-5 | ethanol | Flam. Liq. 2, H225 |
| Index number: 603-002-00-5 | 50-100% |
| Reg.nr.: 01-2119457610-43-xxxx |

| CAS: 67-63-0 | propan-2-ol | Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 |
| Index number: 603-117-00-0 | 10% |
| Reg.nr.: 01-2119457558-25 |

| CAS: 123-86-4 | n-butyl acetate | Flam. Liq. 3, H226; STOT SE 3, H336 |
| Index number: 607-025-00-1 | 5-10% |
| Reg.nr.: 01-2119485493-29-xxxx |

- 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
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.

- **7.2 Conditions for safe storage, including any incompatibilities**
  **Storage**
  **Requirements to be met by storerooms and containers:** Store in cool location.
  **Information about storage in one common storage facility:** Not required.
  **Further information about storage conditions:**
  Keep container tightly sealed.
  Store in cool, dry conditions in well sealed containers.
  **Storage class 3**

- **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:**

<table>
<thead>
<tr>
<th>Compound</th>
<th>WEL Long-term value</th>
<th>WEL Short-term value</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5 ethanol</td>
<td>1920 mg/m³, 1000 ppm</td>
<td>1250 mg/m³, 500 ppm</td>
</tr>
<tr>
<td>67-63-0 propan-2-ol</td>
<td>999 mg/m³, 400 ppm</td>
<td>966 mg/m³, 200 ppm</td>
</tr>
<tr>
<td>123-86-4 n-butyl acetate</td>
<td>724 mg/m³, 150 ppm</td>
<td></td>
</tr>
</tbody>
</table>
**Product name LOBADUR PrimaSeal Plus**

- **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:**
    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: \( \geq 0.4 \text{ mm} \)

- **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: Colourless
    - **Smell:** Characteristic
    - **Odour threshold:** Not determined.
  - **pH-value:** Not determined.

- **Change in condition**
  - **Melting point/freezing point:** Not determined
  - **Initial boiling point and boiling range:** \( >78 \, ^{\circ}\text{C} \)

- **Flash point:** 10 \( ^{\circ}\text{C} \)

- **Inflammability (solid, gaseous):** Not applicable.

- **Ignition temperature:** 370 \( ^{\circ}\text{C} \)

- **Decomposition temperature:** Not determined.

- **Self-inflammability:** Product is not selfigniting.

- **Explosive properties:** Product is not explosive. However, formation of explosive air/steam
  mixtures is possible.

  - **Lower:** 2 Vol %
  - **Upper:** 19 Vol %

- **Steam pressure at 50 \( ^{\circ}\text{C} \):** \( \leq 1,100 \text{ hPa} \)

- **Density at 20 \( ^{\circ}\text{C} \):** 0.821 g/cm³

---

(Contd. on page 5)
Product name LOBADUR PrimaSeal Plus

| · 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 at 20 °C: 62-68 s (ISO 3 mm)

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

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
  Causes serious eye irritation.
· Respiratory or skin sensitisation 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.
· 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 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.

(Contd. on page 6)
**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>08 00 00</td>
<td>WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS</td>
</tr>
<tr>
<td>08 01 00</td>
<td>wastes from MFSU and removal of paint and varnish</td>
</tr>
<tr>
<td>08 01 11*</td>
<td>waste paint and varnish containing organic solvents or other 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
    UN1263

- **14.2 UN proper shipping name**
  - ADR
    1263 PAINT (vapour pressure at 50°C not more than 110 kPa)
  - IMDG, IATA
    PAINT

- **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:**
  - Marine pollutant: No

- **14.6 Special precautions for user**
  - **Warning:** Flammable liquids.
  - **Kemler Number:** 33
  - **EMS Number:** F-E,S-E
  - **Stowage Category** B
49.0.2

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

· Transport/Additional information:

- ADR
  - Limited quantities (LQ) 5L
  - 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) 5L
  - 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 1263 PAINT (VAPOUR PRESSURE AT 50°C NOT MORE THAN 110 KPA), 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.
- 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.
  - H226 Flammable liquid and vapour.
  - H319 Causes serious eye irritation.
  - H336 May cause drowsiness or dizziness.

- 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

(Contd. on page 8)
Product name LOBADUR PrimaSeal Plus

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
Flam. Liq. 3: Flammable liquids – Category 3
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

* Data compared to the previous version altered.