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

- **1.1 Product identifier**
  - Product name: LOBADUR WS 2K Duo glänzend/glossy
  - Article number: 114669-2-000

- **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**
  - Coating material
  - Multi-pack product

- **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
    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:
    EUH208 Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.
    EUH210 Safety data sheet available on request.

- **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>CAS: 34590-94-8</th>
<th>Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 252-104-2</td>
<td></td>
</tr>
<tr>
<td>Reg.nr.: 01-211-945-0011-60-xxxx</td>
<td></td>
</tr>
<tr>
<td>CAS: 111-76-2</td>
<td>2-butoxyethanol</td>
</tr>
<tr>
<td>EINECS: 203-905-0</td>
<td></td>
</tr>
<tr>
<td>Index number: 603-014-00-0</td>
<td></td>
</tr>
<tr>
<td>Reg.nr.: 01-2119475108-36-xxxx</td>
<td></td>
</tr>
</tbody>
</table>

(Contd. on page 2)
*SECTION 4: First aid measures*

· 4.1 Description of first aid measures
  · General information No special measures required.
  · 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 Use fire fighting measures that suit the environment.
· 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 Not required.
· 6.2 Environmental precautions:
  Do not allow product to reach sewage system or water bodies.
  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).
· 6.4 Reference to other sections
  No dangerous materials are released.
  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 No special measures required.
· Information about protection against explosions and fires: No special measures required.
· 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: None.
  · Storage class 12
· 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>Component</th>
<th>Long-term value</th>
<th>Short-term value</th>
</tr>
</thead>
<tbody>
<tr>
<td>34590-94-8 Dipropylene glycol monomethyl ether</td>
<td>308 mg/m³, 50 ppm</td>
<td></td>
</tr>
<tr>
<td>111-76-2 2-butoxyethanol</td>
<td>123 mg/m³, 25 ppm</td>
<td>246 mg/m³, 50 ppm</td>
</tr>
</tbody>
</table>

- Ingredients with biological limit values:

<table>
<thead>
<tr>
<th>Component</th>
<th>Biological limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>111-76-2 2-butoxyethanol</td>
<td>240 mmol/mol creatinine</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

The usual precautionary measures should be adhered to in handling the chemicals.

- 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: ≥ 0.4 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: Safety glasses recommended during refilling.

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

(Contd. on page 4)
Product name: LOBADUR WS 2K Duo glänzend/glossy

- Odour threshold: Not determined.
- pH-value: Not determined.

**Change in condition**
- Melting point/freezing point: Not determined
- Initial boiling point and boiling range: Not determined

- Flash point: Not applicable
- Inflammability (solid, gaseous): Not applicable.
- Decomposition temperature: Not determined.
- Self-inflammability: Product is not selfigniting.

**Explosive properties:**
- Lower: Not determined.
- Upper: Not determined.

- Steam pressure: Not determined.
- Density at 20 °C: 1.04 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 at 20 °C: 19 s (DIN 53211/4)

- Solids content: 32.0 %
- 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
- 10.3 Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 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
- 11.2 Acute toxicity: Based on available data, the classification criteria are not met.
- 11.3 Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- 11.4 Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
Safety data sheet
according to 1907/2006/EC, Article 31

Product name LOBADUR WS 2K Duo glänzend/glossy

- CMR effects (carcinogenity, 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.
- 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
  - 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 12</td>
<td>waste paint and varnish other than those mentioned in 08 01 11</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, ADN, IMDG, IATA Void
- 14.2 UN proper shipping name
  - ADR, ADN, IMDG, IATA Void
Product name LOBADUR WS 2K Duo glänzend/glossy

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

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
  - 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
  H302 Harmful if swallowed.
  H312 Harmful in contact with skin.
  H315 Causes skin irritation.
  H319 Causes serious eye irritation.
  H332 Harmful if inhaled.

- 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)
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative
  Acute Tox. 4: Acute toxicity - oral – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
· * Data compared to the previous version altered.