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

1.1 Product identifier

Trade name: ROMPOX Powerclean

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:
ROMEX Produktions GmbH
Mühlgrabenstraße 19
D-53340 Meckenheim
Tel.: 0049(0)2225-7032820
Fax: 0049(0)2225-7032828
email: info@romex-rpg.de

Informing department: Product safety department.

1.4 Emergency telephone number:

Giftnotrufzentrale BONN
Tel.: 0049(0)228-19240
gizbn@mailen.meb.uni-bonn.de
www.meb.uni-bonn.de/gifzentrale/

National Poisons Information Service (Birmingham Unit)
Dudley Rd, Birmingham
Tel.: 844 892 0111
Mail: mail@npis.org
National Poisons Information Service (Birmingham Unit)
+44 121 507 4123

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Eye Dam. 1 H318 Causes serious eye damage.

2.2 Label elements

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS05

Signal word Danger

Hazard-determining components of labelling:
Ameisensäure

Hazard statements
H318 Causes serious eye damage.

Precautionary statements
P280 Wear protective gloves/protective clothing/eye protection/face protection.
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.

2.3 Other hazards

Results of PBT and vPvB assessment
PBT: Not applicable.

(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>Dangerous components:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 100-51-6</td>
<td>Benzyl alcohol</td>
</tr>
<tr>
<td>EINECS: 202-859-9</td>
<td>Acute Tox. 4, H302; Acute Tox. 4, H332</td>
</tr>
<tr>
<td>Index number: 603-057-00-5</td>
<td></td>
</tr>
<tr>
<td>Reg.nr.: 01-2119492630-38-xxxx</td>
<td>25-50%</td>
</tr>
<tr>
<td>CAS: 64-18-6</td>
<td>Ameisensäure</td>
</tr>
<tr>
<td>EINECS: 203-961-6</td>
<td>Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315</td>
</tr>
<tr>
<td>Index number: 603-096-00-8</td>
<td></td>
</tr>
<tr>
<td>Reg.nr.: 01-2119491174-37-xxxx</td>
<td>2.5-10%</td>
</tr>
<tr>
<td>CAS: 112-34-5</td>
<td>2-(2-butoxyethoxy)ethanol</td>
</tr>
<tr>
<td>EINECS: 203-961-6</td>
<td>Eye Irrit. 2, H319</td>
</tr>
<tr>
<td>Index number: 603-096-00-8</td>
<td></td>
</tr>
<tr>
<td>Reg.nr.: 01-2119475104-44-xxxx</td>
<td>2.5-10%</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
General information: Instantly remove any clothing soiled by the product.
After inhalation: Supply fresh air; consult doctor in case of symptoms.
After skin contact: Instantly wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
After eye contact: Rinse opened eye for several minutes under running water. Then consult doctor.
After swallowing: Rinse the mouth with water immediately. Instantly call for doctor.

4.2 Most important symptoms and effects, both acute and delayed: No further relevant information available.
Information for doctor: No particular measures are known - treat according to symptoms.
Danger: Danger of pulmonary oedema.
Danger of gastric perforation.

4.3 Indication of any immediate medical attention and special treatment needed
Monitor circulation
If swallowed, gastric irrigation with added, activated carbon.

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.

For safety reasons unsuitable extinguishing agents: Water with a full water jet.

5.2 Special hazards arising from the substance or mixture
Formation of toxic gases is possible during heating or in case of fire.
The vapours released are irritating and injurious to health.

5.3 Advice for firefighters
Protective equipment: Wear self-contained breathing apparatus.

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

- 6.1 Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.
  Avoid contact with eyes and skin.
- 6.2 Environmental precautions:
  Do not allow to enter drainage system, surface or ground water.
  Do not allow to enter the ground/soil.
- 6.3 Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose of contaminated material as waste according to item 13.
  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.
  Ensure good ventilation/exhaustion at the workplace.
- 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 limit values that require monitoring at the workplace:
    CAS: 112-34-5 2-(2-butoxyethoxy)ethanol (2.5-10%)
    WEL (Great Britain) Short-term value: 101.2 mg/m³, 15 ppm
    Long-term value: 67.5 mg/m³, 10 ppm
    IOELV (European Union) Short-term value: 101.2 mg/m³, 15 ppm
    Long-term value: 67.5 mg/m³, 10 ppm
  - DNELs
    CAS: 100-51-6 Benzyl alcohol
    Oral DNEL Langzeit Verbraucher / Long-term consumer 5 mg/kg/bw/d (-)
### 42.0.1 Dermal DNEL - Arbeiter / worker
9.5 mg/kg/bw/d (-) ((langfristig))

### 42.0.2 Dermal DNEL Langzeit Verbraucher / Long-term consumer
5.7 mg/kg/bw/d (-)

### 42.0.3 Inhalative DNEL Langzeit Verbraucher / Long-term consumer
5.7 mg/m³ (-)

### 42.0.4 Dermal DNEL - Arbeiter / worker
90 mg/m³ (-) ((langfristig))

#### PNECs

<table>
<thead>
<tr>
<th>CAS: 100-51-6 Benzyl alcohol</th>
</tr>
</thead>
<tbody>
<tr>
<td>PNEC Langzeit Wasser / Long-term water</td>
</tr>
<tr>
<td>1 mg/l (Frischwasser (freshwater))</td>
</tr>
<tr>
<td>0.1 mg/l (Meerwasser (seawater))</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

- Do not eat, drink or smoke while working.
- Use skin protection cream for preventive skin protection.
- Keep away from foodstuffs, beverages and food.
- Take off immediately all contaminated clothing.
- Wash hands during breaks and at the end of the work.
- Avoid contact with the eyes and skin.

#### Breathing equipment
Wear a respirator if an aerosol or mist forms.

#### Recommended filter device for short term use:

- **Filter A**

#### 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

- Butyl rubber, BR
- Fluorocarbon rubber (Viton)
- Breakthrough time: > 480 min

Recommended thickness of the material: ≥ 0.8 mm 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 cannot be calculated in advance and has therefore to be checked prior to the application.

#### 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.

#### As protection from splashes gloves made of the following materials are suitable: PVC gloves

#### Not suitable are gloves made of the following materials:

- Leather gloves
- Strong gloves

(Contd. on page 5)
**Trade name:** ROMPOX Powerclean

**Section 9: Physical and chemical properties**

- **9.1 Information on basic physical and chemical properties**
  - **General Information**
  - **Appearance:**
    - **Form:** Fluid
    - **Colour:** Colourless
  - **Odour:** Characteristic
  - **Odour threshold:** Not determined.
  - **pH-value:** Not determined.
- **Change in condition**
  - **Melting point/Melting range:** Not determined
  - **Boiling point/Boiling range:** > 100 °C
- **Flash point:** > 100 °C
- **Inflammability (solid, gaseous)**
  - **Not applicable.**
- **Ignition temperature:**
  - **Decomposition temperature:** Not determined.
  - **Self-inflammability:** Product is not selfigniting.
  - **Danger of explosion:** Product is not explosive.
- **Critical values for explosion:**
  - **Lower:** Not determined.
  - **Upper:** Not determined.
- **Vapour pressure:** Not determined.
- **Density at 20 °C:** 1.1 g/cm³
- **Relative density:** Not determined.
- **Vapour density:** Not determined.
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with Water:** Partly miscible
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - **dynamic:** Not determined.
  - **kinematic at 20 °C:** < 10 mm²/s

**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
- Reacts with acids
- Exothermic reaction with acids

10.4 Conditions to avoid
- No further relevant information available.

10.5 Incompatible materials:
- strong acids

10.6 Hazardous decomposition products:
- none, if stored and handled correctly.

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:

<table>
<thead>
<tr>
<th>CAS: 100-51-6 Benzyl alcohol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
</tr>
<tr>
<td>Dermal LD50</td>
</tr>
<tr>
<td>Inhalative LD50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 64-18-6 Ameisensäure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
</tr>
<tr>
<td>Inhalative LC50/4 h</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 112-34-5 2-(2-Butoxyethoxy)ethanol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermal LD50</td>
</tr>
</tbody>
</table>

11.2 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.
- Additional toxicological information: Irritating to respiratory system.

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:

<table>
<thead>
<tr>
<th>CAS: 100-51-6 Benzyl alcohol</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB5-Wert</td>
</tr>
<tr>
<td>BSB-5</td>
</tr>
<tr>
<td>Closed bottel test</td>
</tr>
<tr>
<td>Bakterientoxizität / Bacteria toxicity:</td>
</tr>
<tr>
<td>Photobacterium phosphoreum</td>
</tr>
<tr>
<td>Pseudomonas putida</td>
</tr>
<tr>
<td>Algentoxizität / Algae toxicity:</td>
</tr>
<tr>
<td>Scenedesmus quadicauda</td>
</tr>
<tr>
<td>Scenedesmus subspicatus</td>
</tr>
<tr>
<td>Daphniatoxizität / Daphnia toxicity:</td>
</tr>
<tr>
<td>Daphnia magna</td>
</tr>
</tbody>
</table>
Trade name: **ROMPOX Powerclean**

| Fischtoxizität / Fish toxicity | 460 mg/l (Pimpephales promelas) (LC50 (96h)) |
| Algentoxizität / Algae toxicity | 72 mg/l (Alge) (EC50 (72h)) |
| Daphnienoxizität / Daphnia toxicity | 32 mg/l (Daphnia magna) (EC50 (48h)) |
| Fischtoxizität / Fish toxicity | 46 - 100 mg/l (Leuciscus idus) (LC50 (96h)) |

**CAS: 64-18-6 Ameisensäure**

- **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.
- **Ecotoxicity**: Not determined
- **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 bodies or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralised.
  - **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**: For disposal, local regulations issued by the authorities must be observed.

- **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 29** detergents containing hazardous substances
  - **HP 10** Toxic for reproduction

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

**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**: Not applicable.
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.

Transport/Additional information:
Not dangerous according to the above specifications.

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.

- Relevant phrases
  H302 Harmful if swallowed.
  H315 Causes skin irritation.
  H318 Causes serious eye damage.
  H319 Causes serious eye irritation.
  H332 Harmful if inhaled.

- Department issuing data specification sheet:
  IGG-AD Ingenieurbüro für Gefahrstoff- und Gefahrgutberatung
  Bismarckstraße 10
  D-68623 Lampertheim
  Fax: 0049-(0)6206-58422 http://www.igg-ad.de info@igg-ad.de
- Contact: Dr. U. Prinz (u.prinz@igg-ad.de)
- 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)
  DNEL: Derived No-Effect Level (REACH)
  PNEC: Predicted No-Effect Concentration (REACH)
  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, Hazard Category 4
  Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
  Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
  Eye Irit. 2: Serious eye damage/eye irritation, Hazard Category 2

* Data compared to the previous version altered.