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

Date issued: 31.03.2015

1.1. Product identifier
Product name: CleanRange Alcohol Wipes
Specification No.: L03000000177
Article no.: 50991308

1.2. Relevant identified uses of the substance or mixture and uses advised against
Product group: Alcohol-based Cleaner
Use of the substance/preparation: Hard surface cleaner.
Relevant identified uses:
- SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- SU21 Consumer uses: Private households (= general public = consumers)
- SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen)
- PC35 Washing and cleaning products (including solvent based products)
- PROC10 Roller application or brushing
- PROC11 Non-industrial spraying
- ERC8B Wide dispersive indoor use of reactive substances in open systems

Uses advised against: No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Company name: Kleinmann GmbH
Postal address: Am Trieb 13
Postcode: D-72820
City: Sonnenbuehl
Country: Germany
Tel: +49(0)7128/9292-15
Fax: +49(0)7128/9292-415
E-mail: chemie@kleinmann.net
Website: http://www.kleinmann.net
Enterprise no.: DE 146 487

1.4. Emergency telephone number
Emergency telephone: 8-12, Mo.-Fr.: +49(0)7128/9292-15

SECTION 2: Hazards identification

2.1. Classification of substance or mixture
Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]:
- Flam. Liq. 2;H225;
- Eye Irrit. 2;H319;
2.2. Label elements

**Hazard Pictograms (CLP)**

- Composition on the label: Propan-2-ol
- Signal word: Danger
- Hazard statements:
  - H225: Highly flammable liquid and vapour.
  - H319: Causes serious eye irritation.
  - H336: May cause drowsiness or dizziness.
- Precautionary statements:
  - P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
  - P280: Wear eye protection.
  - P403 + P233: Store in a well-ventilated place. Keep container tightly closed.
  - P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - 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.

2.3. Other hazards

- Description of hazard: The product is highly flammable and may be ignited even after short contact with an ignition source. Vapours may cause drowsiness and dizziness.
- Health effect: In high concentrations, vapours may be irritating to the respiratory system. Splashes in the eyes may cause redness and irritation.
- Environmental effects: This product does not contain any PBT or vPvB substances.

**SECTION 3: Composition/information on ingredients**

3.2. Mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>Identification</th>
<th>Classification</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wipes containing: Propan-2-ol</td>
<td>CAS no.: 67-63-0</td>
<td>F: R11</td>
<td>60 - 100 %</td>
</tr>
<tr>
<td></td>
<td>EC no.: 200-661-7</td>
<td>Xi: R36</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Index no.: 603-117-00-0</td>
<td>R67</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Synonyms: Propan-2-ol</td>
<td>Flam. Liq. 2; H225</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Eye Irrit. 2; H319</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>STOT SE 3; H336</td>
<td></td>
</tr>
</tbody>
</table>

Substance comments: The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**SECTION 4: First aid measures**

4.1. Description of first aid measures

- General: Remove affected person from source of contamination.
- Inhalation: Fresh air. Get medical attention if any discomfort continues.
- Skin contact: Rinse with water. Contact physician if discomfort continues.
- Eye contact: Immediately rinse with water for several minutes. Make sure to remove any contact lenses from the eyes before rinsing. Contact physician if irritation persists.
- Ingestion: Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.
- Recommended personal protective equipment for first aid responders: Wear necessary protective equipment. For personal protection, see section 8.
4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms and effects  As described in section 2.2 and 2.3.
Delayed symptoms and effects  Inhalation of high vapour concentrations may cause symptoms such as mild irritation, headache, dizziness, fatigue, nausea and in serious cases unconsciousness.

4.3. Indication of any immediate medical attention and special treatment needed

Other Information  If unconscious: Call an ambulance/physician immediately. Show this Safety Data Sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media  Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Improper extinguishing media  Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards  The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. Closed containers can burst violently when heated, due to excess pressure build-up. During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Personal protective equipment  Wear necessary protective equipment. For personal protection, see section 8.
Fire fighting procedures  Reference is made to the company fire procedure. If risk of water pollution occurs, notify appropriate authorities. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Containers close to fire should be removed immediately or cooled with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures  Wear necessary protective equipment. For personal protection, see section 8. Do not smoke, use open fire or other sources of ignition.

6.2. Environmental precautions

Environmental precautionary measures  Avoid discharge into water courses or onto the ground. Contact local authorities in case of spillage to drain/aquatic environment.

6.3. Methods and material for containment and cleaning up

Cleaning method  Smaller quantities of residue may be collected by an absorbent. Dam and absorb spillages with sand, earth or other non-combustible material. Wash contaminated area with water.

6.4. Reference to other sections

Other instructions  See section 8 and section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling  Avoid inhalation of vapours. Keep away from heat, sparks and open flame.

7.2. Conditions for safe storage, including any incompatibilities

Storage  Store in tightly closed original container in a well-ventilated place. Do not store near heat sources or expose to high temperatures.

Other Information  Follow rules for flammable liquids.
7.3. Specific end use(s)
Specific use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure limit values

<table>
<thead>
<tr>
<th>Substance</th>
<th>Identification</th>
<th>Value</th>
<th>TWA Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propan-2-ol</td>
<td>CAS no.: 67-63-0</td>
<td>8-hour TWA: 400 ppm</td>
<td>2011</td>
</tr>
<tr>
<td></td>
<td>EC no.: 200-661-7</td>
<td>8-hour TWA: 999 mg/m3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Index no.: 603-117-00-0</td>
<td>15 min.: 500 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Synonyms: Propan-2-ol</td>
<td>15 min.: 1250 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

DNEL / PNEC

Summary of risk management measures, human Data lacking.

Summary of risk management measures, environment Data lacking.

8.2. Exposure controls

Recommended monitoring procedures Not known.

Limitation of exposure on workplace Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Safety signs

Respiratory protection In case of inadequate ventilation use suitable respirator. Use respiratory equipment with combination filter, type A2/P2.

Hand protection Under normal conditions of use gloves are not normally required.

Eye / face protection Wear approved, tight fitting safety glasses where splashing is probable.

Skin protection Skin protection (except hands) No special precautions.

Thermal hazards See section 5.

Appropriate environmental exposure control Environmental exposure controls See section 6.

Other Information DO NOT SMOKE IN WORK AREA!

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Fluid.
<table>
<thead>
<tr>
<th>Property</th>
<th>Value/Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Colourless.</td>
</tr>
<tr>
<td>Odour</td>
<td>Odour of alcohol.</td>
</tr>
<tr>
<td>Comments, Odour limit</td>
<td>No data recorded.</td>
</tr>
<tr>
<td>Comments, pH (aqueous solution)</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Comments, Melting point / melting range</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Comments, Boiling point / boiling range</td>
<td>No data recorded.</td>
</tr>
<tr>
<td>Flash point</td>
<td>Value: ~ 12 °C</td>
</tr>
<tr>
<td>Comments, Flash point</td>
<td>Fire hazard classification: II-2.</td>
</tr>
<tr>
<td>Comments, Evaporation rate</td>
<td>No data recorded.</td>
</tr>
<tr>
<td>Comments, Explosion limit</td>
<td>No data recorded.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Value: ~ 43</td>
</tr>
<tr>
<td>Comments, Vapour density</td>
<td>No data recorded.</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>Value: ~ 0.78 kg/l</td>
</tr>
<tr>
<td>Comments, Bulk density</td>
<td>No data recorded.</td>
</tr>
<tr>
<td>Solubility description</td>
<td>Completely soluble in water.</td>
</tr>
<tr>
<td>Comments, Partition coefficient: n-octanol / water</td>
<td>No data recorded.</td>
</tr>
<tr>
<td>Comments, Spontaneous combustibility</td>
<td>No data recorded.</td>
</tr>
<tr>
<td>Comments, Decomposition temperature</td>
<td>No data recorded.</td>
</tr>
<tr>
<td>Comments, Viscosity</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Does not meet the criteria for oxidising.</td>
</tr>
</tbody>
</table>

### 9.2. Other information

#### Physical hazards

<table>
<thead>
<tr>
<th>Property</th>
<th>Value/Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comments, Permeation rate</td>
<td>No data recorded.</td>
</tr>
<tr>
<td>Comments, Pour point</td>
<td>No data recorded.</td>
</tr>
<tr>
<td>Comments, Particle size</td>
<td>No data recorded.</td>
</tr>
<tr>
<td>Comments, Critical pressure</td>
<td>No data recorded.</td>
</tr>
<tr>
<td>Comments, Expansion coefficient</td>
<td>No data recorded.</td>
</tr>
<tr>
<td>Comments, Redox potential</td>
<td>No data recorded.</td>
</tr>
<tr>
<td>Comments, Radical formation potential</td>
<td>No data recorded.</td>
</tr>
<tr>
<td>Comments, Photocatalytic properties</td>
<td>No data recorded.</td>
</tr>
</tbody>
</table>

**Other physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value/Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comments</td>
<td>No data recorded.</td>
</tr>
</tbody>
</table>

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Value/Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>No specific reactivity hazards associated with this product.</td>
</tr>
</tbody>
</table>

#### 10.2. Chemical stability

<table>
<thead>
<tr>
<th>Property</th>
<th>Value/Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>Stable under normal temperature conditions and recommended use.</td>
</tr>
</tbody>
</table>

#### 10.3. Possibility of hazardous reactions

<table>
<thead>
<tr>
<th>Property</th>
<th>Value/Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Possibility of hazardous reactions</td>
<td>See section 10.4 and section 10.5.</td>
</tr>
</tbody>
</table>

#### 10.4. Conditions to avoid

<table>
<thead>
<tr>
<th>Property</th>
<th>Value/Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conditions to avoid</td>
<td>Avoid heat, flames and other sources of ignition.</td>
</tr>
</tbody>
</table>

#### 10.5. Incompatible materials

<table>
<thead>
<tr>
<th>Property</th>
<th>Value/Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Materials to avoid</td>
<td>Strong acids. Strong alkalis.</td>
</tr>
</tbody>
</table>
10.6. Hazardous decomposition products
Hazardous decomposition products During fire, toxic gases (CO, CO2) are formed.

Other information
Other Information No data recorded.

SECTION 11: Toxicological information
11.1. Information on toxicological effects

Toxicological Information:
Other toxicological data Toxicological tests on the product has not been performed.

Toxicological data for substances
Substance No data available for ingredient(s).
LD50 oral Value: - -
Animal test species: -
Duration: -
Comments: -

Other information regarding health hazards
General No information about adverse effects due to exposure.

Potential acute effects
Inhalation In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects. Aerosols irritate the respiratory system, and may cause coughing and difficulties in breathing.
Skin contact Skin irritation is not anticipated when used normally.
Eye contact Direct contact may irritate.
Ingestion Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhoea.

SECTION 12: Ecological information
12.1. Toxicity
Ecotoxicity The product is not expected to be hazardous to the environment.
Aquatic, comments No data recorded.

Toxicological data for substances
Substance No data available for ingredient(s).
Aquatic, comments -

12.2. Persistence and degradability
Persistence and degradability The product is expected to be biodegradable.
12.3. Bioaccumulative potential
Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.
12.4. Mobility in soil
Mobility Not regarded as dangerous for the environment. The product is miscible with water. May spread in water systems.

12.5. Results of PBT and vPvB assessment
PBT assessment results Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects
Environmental details, summation For this product no classification is required for environmental hazards.

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Specify the appropriate methods of Do not empty into drains; dispose of this material and its container at
disposal hazardous or special waste collection point. Dispose of waste and residues in accordance with local authority requirements.

Product classified as hazardous waste
Yes

Packaging classified as hazardous waste
Yes

EWC waste code
EWC: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics

Other Information
When handling waste, consideration should be made to the safety precautions applying to handling of the product. Waste code applies to product remnants in pure form.

SECTION 14: Transport information

14.1. UN number
ADR 3175
RID 3175
IMDG 3175
ICAO/IATA 3175

14.2. UN proper shipping name
ADR SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
RID SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
IMDG SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
ICAO/IATA SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.

14.3. Transport hazard class(es)
ADR 4.1
Hazard no. 40
RID 4.1
IMDG 4.1
ICAO/IATA 4.1

14.4. Packing group
ADR II
RID II
IMDG II
ICAO/IATA II

14.5. Environmental hazards

14.6. Special precautions for user
EmS F-A, S-I
Special safety precautions for user Not relevant.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Additional information.
Not relevant.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EEC-directive Dangerous Preparations Directive 1999/45/EC.
Dangerous Substance Directive 67/548/EEC.

Other Label Information
For professional users only.
As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work
procedure, the dangerous properties of the product and the necessary safety instructions.

Legislation and regulations

15.2. Chemical safety assessment
Chemical safety assessment No performed

SECTION 16: Other information
Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
Flam. Liq. 2; H225;
Eye Irrit. 2; H319;
List of relevant R-phrases (under headings 2 and 3).
R36 Irritating to eyes.
R11 Highly flammable.
R67 Vapours may cause drowsiness and dizziness.
List of relevant H-phrases (Section 2 and 3).
H336 May cause drowsiness or dizziness.
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
Training advice No particular training or education is required but the user must be familiar with this SDS. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.

Information which has been added, deleted or revised
New safety data sheet.
Version 1
Responsible for safety data sheet Kleinmann GmbH
Prepared by MP