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

1.1. Product identifier

Icon Dry

CAS No: 64-17-5
Index No: 603-002-00-5
EC No: 200-578-6

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

for dental use only

Uses advised against

pregnant or breastfeeding people should not work with hazardous substances

1.3. Details of the supplier of the safety data sheet

Company name: DMG America LLC
Street: 242 South Dean Street, Englewood NJ. 07631
Telephone: (800) 662-6383
(800) 535-5053 (INFOTRAC Emergency contact)
e-mail: Info@dmg-america.com
Internet: www.dmg-america.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
Flammable liquid: Flam. Liq. 2

2.2. Label elements

Regulation (EC) No. 1272/2008

Special labelling of certain mixtures
EUH210 Safety data sheet available on request.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC No</td>
<td>Index No</td>
<td>REACH No</td>
</tr>
<tr>
<td>GHS Classification</td>
<td></td>
<td></td>
</tr>
<tr>
<td>64-17-5</td>
<td>ethanol; ethyl alcohol</td>
<td>55 - 99 %</td>
</tr>
<tr>
<td>200-578-6</td>
<td>603-002-00-5</td>
<td></td>
</tr>
<tr>
<td>Flam. Liq. 2; H225</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.
After contact with skin
    After contact with skin, wash immediately with: Water and soap. Change contaminated clothing. Rub greasy ointment into the skin.

After contact with eyes
    In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion
    If swallowed, immediately drink: Water. Medical treatment necessary.

SECTION 5: Firefighting measures

5.1. Extinguishing media
    Suitable extinguishing media

    Unsuitable extinguishing media
        High power water jet.

5.2. Special hazards arising from the substance or mixture
    Concentrated vapors are heavier than air. Vapours may form explosive mixtures with air.

5.3. Advice for firefighters
    In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
    Keep away from sources of ignition - No smoking.
    The following must be prevented: Inhalation. skin contact. Eye contact.

6.2. Environmental precautions
    Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up
    Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

SECTION 7: Handling and storage

7.1. Precautions for safe handling
    Advice on safe handling
        Keep away from sources of ignition - No smoking. Provide adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities
    Requirements for storage rooms and vessels
        Keep container tightly closed in a cool, well-ventilated place.
        Store only in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
    Exposure limits (EH40)

    | CAS No | Substance | ppm | mg/m³ | fibres/ml | Category | Origin |
    |--------|-----------|-----|-------|-----------|----------|--------|
    | 64-17-5| Ethanol   | 1000| 1920  |           | TWA (8 h)| WEL    |

8.2. Exposure controls
Protective and hygiene measures
When using do not eat or drink.

Eye/face protection
Tightly sealed safety glasses.

Hand protection
Tested protective gloves are to be worn: Suitable material: NBR (Nitrile rubber).

Respiratory protection
The following must be prevented: inhalation. exceeding exposure limit values: Filtering device (full mask or mouthpiece) with filter: A

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>colourless-transparent</td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
</tr>
<tr>
<td>pH-Value</td>
<td>neutral</td>
</tr>
</tbody>
</table>

Changes in the physical state

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point</td>
<td>ca. -115 °C</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>ca. 80 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>The product has not been tested.</td>
</tr>
<tr>
<td>Lower explosion limits</td>
<td>3.5 vol. %</td>
</tr>
<tr>
<td>Upper explosion limits</td>
<td>15 vol. %</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>425 °C</td>
</tr>
<tr>
<td>Vapour pressure (at 20 °C)</td>
<td>59 hPa</td>
</tr>
<tr>
<td>Density (at 20 °C)</td>
<td>ca. 0.8 g/cm³</td>
</tr>
<tr>
<td>Water solubility</td>
<td>complete miscible</td>
</tr>
<tr>
<td>Viscosity / dynamic (at 20 °C)</td>
<td>1.3 mPa·s</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

10.4. Conditions to avoid
heat.

10.5. Incompatible materials
Oxidizing agents. peroxides. acid. Alkali metals.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Acute toxicity, oral LD50: (Rat): > 10000 mg/kg
## SECTION 12: Ecological information

### 12.1. Toxicity
- **Acute fish toxicity** (Leuciscus idus): LC50: > 8140 mg/l / 48 h (Ethanol);
- **Acute Daphnia toxicity** (Daphnia magna): EC50: 9268 - 14221 mg/l / 48 h

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Aquatic toxicity</th>
<th>Dose</th>
<th>[h]</th>
<th>[d]</th>
<th>Species</th>
<th>Source</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5</td>
<td>ethanol; ethyl alcohol</td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>9268 - 14221 mg/l</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>IUCLID</td>
<td></td>
</tr>
</tbody>
</table>

### 12.2. Persistence and degradability
Easily biodegradable (concerning to the criteria of the OECD)

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Method</th>
<th>Value</th>
<th>d</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5</td>
<td>ethanol; ethyl alcohol</td>
<td>Biologische Abbaubarkeit</td>
<td>94 %</td>
<td>OECD 301E</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>leicht biologisch abbaubar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chemischer Sauerstoffbedarf</td>
<td>930-1670 mg/l</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5</td>
<td>ethanol; ethyl alcohol</td>
<td>-0.31</td>
</tr>
</tbody>
</table>
**14.2. UN proper shipping name:** ETHANOL (ETHYL ALCOHOL)

**14.3. Transport hazard class(es):** 3

**14.4. Packing group:** II

Hazard label: 3

Classification code: F1

Special Provisions: 144 601

Limited quantity: 1 L

Transport category: 2

Hazard No: 33

Tunnel restriction code: D/E

**Other applicable information (land transport)**

**Marine transport (IMDG)**

**14.1. UN number:** UN 1170

**14.2. UN proper shipping name:** ETHANOL (ETHYL ALCOHOL)

**14.3. Transport hazard class(es):** 3

**14.4. Packing group:** II

Hazard label: 3

Special Provisions: 144

Limited quantity: 3 L

EmS: F-E, S-D

**Other applicable information (marine transport)**

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:** UN 1170

**14.2. UN proper shipping name:** ETHANOL (ETHYL ALCOHOL)

**14.3. Transport hazard class(es):** 3

**14.4. Packing group:** II

Hazard label: 3

Special Provisions: A3

Limited quantity Passenger: 1 L

IATA-packing instructions - Passenger: 353

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 364

IATA-max. quantity - Cargo: 60 L

**Other applicable information (air transport)**

**14.5. Environmental hazards**
SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information
Water hazard class (D): 1 - slightly hazardous to water

SECTION 16: Other information

Relevant H and EUH statements (number and full text)

<table>
<thead>
<tr>
<th>H225</th>
<th>Highly flammable liquid and vapour.</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH210</td>
<td>Safety data sheet available on request.</td>
</tr>
</tbody>
</table>

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)