

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Icon-Dry**

Print date: 03.07.2014

Product code: 6700\_GHS

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Icon-Dry

Product group: Endprodukt  
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****1.3. Details of the supplier of the safety data sheet**

Company name: DMG Chemisch-Pharmazeutische Fabrik GmbH  
Street: Elbgaustraße 248  
Place: D-22547 Hamburg  
Telephone: +49. (0) 40. 84006-0 Telefax: +49. (0) 40. 84006-222  
e-mail: info@dmg-dental.com  
Internet: www.dmg-dental.com

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Indications of danger: F - Highly flammable  
R phrases:  
Highly flammable.  
May cause sensitisation by skin contact.

**GHS classification**

Hazard Statements:  
Highly flammable liquid and vapour.

**2.2. Label elements**

Signal word: Danger  
Pictograms: GHS02

**Hazard statements**

H225 Highly flammable liquid and vapour.

**Precautionary statements**

P233 Keep container tightly closed.  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P102 Keep out of reach of children.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Ethanol.

Sum formula: C<sub>2</sub>H<sub>6</sub>O  
Molecular weight: 46,07

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**Hazardous components**

| EC No        | Chemical name            | Quantity |
|--------------|--------------------------|----------|
| CAS No       | Classification           |          |
| Index No     | GHS classification       |          |
| REACH No     |                          |          |
| 200-578-6    | ethanol, ethyl alcohol   |          |
| 64-17-5      | F - Highly flammable R11 | < 100 %  |
| 603-002-00-5 | Flam. Liq. 2; H225       |          |

Full text of R and H phrases: 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 in high-fat content cream.

**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. Consult physician.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Atomized water. alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Sand.**Extinguishing media which must not be used for safety reasons**

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 empty into drains or the aquatic environment.

**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.

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**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/m <sup>3</sup> | fibres/ml | Category      | Origin |
|---------|-----------|------|-------------------|-----------|---------------|--------|
| 64-17-5 | Ethanol   | 1000 | 1920              |           | TWA (8 h)     | WEL    |
|         |           | -    | -                 |           | STEL (15 min) | WEL    |

**8.2. Exposure controls****Protective and hygiene measures**

When using do not eat or drink.

**Respiratory protection**

The following must be prevented: inhalation. Exceeding critical value: Filter respirator (full mask or mouth-piece) with filter: A

**Hand protection**

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

**Eye protection**

Tightly sealed safety glasses.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|                 |                        |
|-----------------|------------------------|
| Physical state: | liquid                 |
| Colour:         | colourless-transparent |
| Odour:          | characteristic         |

**Test method**

|           |         |
|-----------|---------|
| pH-Value: | neutral |
|-----------|---------|

**Changes in the physical state**

|                         |                           |
|-------------------------|---------------------------|
| Melting point:          | ca. -115 °C               |
| Boiling point:          | ca. 80 °C                 |
| Flash point:            | 12 °C                     |
| Lower explosion limits: | 3.5 vol. %                |
| Upper explosion limits: | 15 vol. %                 |
| Ignition temperature:   | 425 °C                    |
| Vapour pressure:        | 59 hPa                    |
| (at 20 °C)              |                           |
| Density (at 20 °C):     | ca. 0,8 g/cm <sup>3</sup> |
| Water solubility:       | complete miscible         |

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Viscosity / dynamic:  
(at 20 °C)

1,3 mPa·s

**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: (species: Rat.): &gt; 6200 mg/kg; Acute toxicity, inhalant 95.6 mg / l / 4 h

| CAS No  | Chemical name           |        |            |         |        |
|---------|-------------------------|--------|------------|---------|--------|
|         | Exposure routes         | Method | Dose       | Species | Source |
| 64-17-5 | ethanol, ethyl alcohol  |        |            |         |        |
|         | oral                    | LD50   | 6200 mg/kg | Rat     | IUCLID |
|         | inhalative (4 h) vapour | LC50   | 95,6 mg/l  | Rat     | RTECS  |

**Irritation and corrosivity**

In case of prolonged or frequently repeated skin contact: irritant.; Following eye contact: irritant.

**SECTION 12: Ecological information****12.1. Toxicity**

Acute fish toxicity (Leuciscus idus): LC50: &gt; 8140 mg / l / 48 h (Ethanol);

Acute Daphnia toxicity (Daphnia magna): EC50: 9268 - 14221 mg / l / 48 h

| CAS No  | Chemical name            |        |              |    |               |
|---------|--------------------------|--------|--------------|----|---------------|
|         | Aquatic toxicity         | Method | Dose         | h  | Species       |
| 64-17-5 | ethanol, ethyl alcohol   |        |              |    |               |
|         | Acute crustacea toxicity | EC50   | 9268 - 14221 | 48 | Daphnia magna |
|         |                          | mg/l   |              |    | IUCLID        |

**12.2. Persistence and degradability**

Easily biodegradable (concerning to the criteria of the OECD)

**12.3. Bioaccumulative potential****Partition coefficient n-octanol/water**

| CAS No  | Chemical name          | Log Pow |
|---------|------------------------|---------|
| 64-17-5 | ethanol, ethyl alcohol | -0,31   |

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Remove according to the regulations.

**Waste disposal number of waste from residues/unused products**

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180106 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing dangerous substances  
Classified as hazardous waste.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**14.1. UN number:** 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



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)**

E2

**Marine transport (IMDG)**

**14.1. UN number:** 1170  
**14.2. UN proper shipping name:** ETHANOL (ETHYLALCOHOL)  
**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)**

E2

**Air transport (ICAO)**

**14.1. UN number:** 1170  
**14.2. UN proper shipping name:** ETHANOL (ETHYLALCOHOL)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3

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|                                        |     |      |
|----------------------------------------|-----|------|
| 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)**

E2  
: Y341

**14.5. Environmental hazards**

Dangerous for the environment: no

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulatory information

**SECTION 16: Other information****Full text of R phrases referred to under Sections 2 and 3**

|    |                                          |
|----|------------------------------------------|
| 11 | Highly flammable.                        |
| 43 | May cause sensitisation by skin contact. |

**Full text of H statements referred to under Sections 2 and 3**

|      |                                     |
|------|-------------------------------------|
| H225 | Highly flammable liquid and vapour. |
|------|-------------------------------------|

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