

# Material Safety Data Sheet

Revision Date: 20.11.2008

(EC 1907/2006)

Page 1 of 4

6700-22-03

## 1. Chemical product and company identification

**Product name:**

Dry-It

**Supplier:**

**DMG Chemisch-Pharmazeutische Fabrik GmbH**

Elbgaustraße 248

22547 Hamburg

Germany

Fon: +49. (0) 40. 84006-301

Fax: +49. (0) 40. 84006-9301

info@dmg-dental.com

www.dmg-dental.com

## 2. Hazards Identification

Highly flammable

**In case of inhalation:** High concentrations of vapour may irritate respiratory system, and may cause nausea and dimming of consciousness.

**In case of skin contact:** Degreases skin.

**In case of eye contact :** Irritating to eyes.

**In case of ingestion:** Acts on mucous membrane and central nervous system.

## 3. Composition / Information on ingredients

**Common chemical name / Generic name:**

Ethanol, CAS - Nr.: 64-17-5

## 4. First-aid measures

**In case of inhalation:** Take patient to open air. Let sit down calmly.

**In case of skin contact:** Wash with soap and water. Remove contaminated clothing.

**In case of eye contact :** Immediately rinse with plenty of water, consult a physician.

**In case of ingestion:** Seek medical advice.

## 5. Fire-fighting measures

**Extinguishing media:** Powder, sand, foam, carbon dioxide, water spray.

Special risks: Combustible. Vapours heavier than air. Forms explosive mixtures with air ambient temperatures. Development of hazardous combustion gases or vapours possible in the event of fire.

**Not suitable extinguishing media:** Direct jet of water.

## 6. Accidental release measures

**Personal precautions:** Remove sources of ignition. Local exhaust. Avoid substance contact. Do not inhale vapours/aerosols.

**Environmental precautions:** Do not empty into drains.

**Methods for cleaning up:** Take up mechanically, with inert fluid-binding material.

## 7. Handling and storage

### Handling:

**Technical measures:** Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Keep container in a well-ventilated place.

### Storage:

**Technical measures:** Keep container in a well-ventilated place.

**Storage conditions:** Keep container tightly closed. Keep in a cool place.

**Recommended packaging material:** Container of glass or metal.

**not suitable packaging material:** Vapour-permeable plastics.

## 8. Exposure controls/personal protection

**engineering measures:** Use only in well-ventilated areas.

**Limit values:** MAK-threshold 500 ppm.

### Personal protective equipment:

**respiratory protection:** Do not breathe vapours/aerosols. Filtermask type A (if TLV is exceeded).

**Hand and skin protection:** Rubber gloves (nitril rubber 0,40 mm).

**eye protection:** Goggles.

**Hygiene measures:** When using do not eat or drink.

## 9. Physical und chemical properties

**Appearance:** Colourless  
**Odour:** Alcohol-like  
**pH-value:** Neutral  
**Changes in physical state:**  
**Melting temperature:** appr. - 115 °C  
**Boiling temperature:** appr. 80 °C  
**Flashpoint:** 12 °C  
**Ignition temperature:** 425 °C  
**Explosion properties:** lL: 3,5 Vol %; uL: 15 Vol %  
**Vapour pressure:** appr. 60 mbar  
**rel. vapour density:** appr. 1.6  
**Density:** ca. 0.8 g/cm<sup>3</sup>  
**Solubility in water:** soluble

## 10 Stability and reactivity

• **Thermal decomposition:** no information available  
**Hazardous reactions:** None, if handled and stored according to directions.  
**Conditions to avoid:** Heat.  
**Materials to avoid:** Oxidizing agents, peroxides acids, alkali metals  
**Hazardous decomposition products:** no information available

## 11 Toxicological information

• **Acute oral toxicity:** LD<sub>50</sub> (oral, rat) > 6200 mg/kg  
LD<sub>50</sub> (inhalation): 95.6 mg/l/4 h  
**Irritation of skin :** Irritating on prolonged exposure.  
**Irritation of eye:** Irritating.  
**Specific effects:** None.

## 12 Ecological information

• **Mobility:** No data available.  
**Persistence und degradability:** Ethanol easily degradible.  
**Ecotoxicity:** Fish-toxicity: *Leuciscus idus* LC<sub>50</sub> > 8140 mg/l / 48 h (Ethanol)  
Daphnia toxicity: *Daphnia magna* EC<sub>50</sub>: 9268 - 14221 mg/l / 48 h

## 13 Disposal considerations

• **Waste from residues:** Dispose to an authorised waste collection point. Use proper landfill disposal or incineration in accordance with local, state and federal regulations.  
**Contaminated packaging:** Rinse, ventilate thoroughly.

## 14 Transport information

• **Regulations for land (road/railroad):**

GGVSE: Class 3, II

ADR/RID: Class 3, II

**Regulations for sea:**

IMDG/GGVSee-Code: Class 3; II

EmS: F-E S-D

**UN-number:** 1170

**Additional information:**

Proper shipping name: Ethyl alcohol

## 15 Regulatory information

• **Labelling according international regulations:**

F



Highly  
flammable

**R-Phrases:**

R11 Highly flammable.

**S-Phrases:**

S7 Keep container tightly closed.

S16 Keep away from sources of ignition - No smoking.

## 16 Other information

• None.

The data given here is based on current knowledge and experience. The data does not signify any warranty with regard to the product's properties.