

# Material Safety Data Sheet

Revision Date: 21.09.2005

(91/155/EWG)

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## 1. Chemical product and company identification

**Product name:**

Ecusit Etch

**Supplier:**

DMG, Dental-Material Gesellschaft mbH  
D 22531 Hamburg, telephone : (+49) 040 - 84 00 60

## 2. Composition / Information on ingredients

**Common chemical name / Generic name:**

Preparation based on aqueous phosphoric acid.

## 3. Hazards Identification

None, if handled according to directions.

Causes burns.

## 4. First-aid measures

**In case of inhalation:** Not applicable.

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

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

**In case of ingestion:** Let patient drink plenty of water, seek medical advice.

## 5. Fire-fighting measures

Not flammable.

**Extinguishing media:** Not applicable.

**Not suitable extinguishing media:** Not applicable.

## 6. Accidental release measures

**Personal precautions:** Wear suitable protective clothing.

**Environmental precautions:** Avoid pollution of water and sewage.

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

Neutralize (e.g. with lime water).

## 7. Handling and storage

**Handling:**

**Technical measures:** Keep container tightly closed.

**Safe handling advice:** Wear suitable gloves. Avoid contact with eyes.

**Storage:**

**Technical measures:** No special precautions necessary.

**Storage conditions:** Keep container tightly closed.

**Incompatible products:** Alkali, usual non-precious metals.

**Recommended packaging material:** Container of glass, special metals or acid-stable plastics.

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## 8. Exposure controls/personal protection

**Engineering measures:** No special precautions necessary. Avoid splashing.

**Personal protective equipment:**

**Respiratory protection:** Not volatile.

**Hand and skin protection:** Rubber gloves. Suitable: Butyl or Nitril rubber (protection against chemicals Cat. III, EN 374)

**Eye protection:** Goggles.

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

## 9. Physical und chemical properties

**Appearance:** Blue gel.

**Odour:** none

**pH-value:** ca. 1

**Changes in physical state:**

**Boiling temperature:** > 100 °C (water)

**Flashpoint:** not applicable.

**Ignition temperature:** not applicable.

**Explosion properties:** not applicable.

**Vapour pressure:** ca. 20 mbar/23 °C

**rel. vapour density:** < 1

**Density:** ca. 1.4 g/cm<sup>3</sup>

**Solubility in water:** miscible

## 10. Stability and reactivity

**Thermal decomposition:** None, if handled and stored according to directions.

**Hazardous reactions:** None, if handled and stored according to directions.

**Materials to avoid:** Alkali.

**Hazardous decomposition products:** None.

## 11. Toxicological information

**Acute oral toxicity:** LD<sub>50</sub> (Ratte) > 810 mg/kg.

**Irritation of skin :** May cause burns.

**Irritation of eye:** Causes burns.

## 12. Ecological information

Do not discharge into drains or the environment.

**Mobility:** No data available.

**Persistence und degradability:** No data available for the preparation.

## 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.

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## 14. Transport information

### Regulations for land (road/railroad):

GGVS: Class 8, III

ADR: Class 8,III

GGVE: Class 8, III

RID: Class 8, III

### Regulations for sea:

IMDG/GGVSee-Code: 8 Class III

EmS: F-A, S-B

### Regulations for air:

ICAO/IATA-DGR: Class 8

**UN-number:** 1805

### Additional information:

Proper shipping name: contains Phosphoric acid, liquid.

## 15. Regulatory information

**Labelling according to international regulations:** C, Corrosive.

Contains phosphoric acid.

**Symbols of danger:** Drop symbol.

**R-Phrases:** 34

Causes burns.

**S-Phrases:** 26

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

## 16. Other information

Change in section: 8, 14

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.