

# Material Safety Data Sheet

Revision Date: 08.03.2007

(91/155/EWG)

Page 1 of 3

2222-21-06

## 1. Chemical product and company identification

**Product name:**

TECO

**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:**

Aqueous preparation of acrylic resin.

Contains aromatic dimethacrylate, polyol - mono-, dimethacrylate, polycarboxylic polymethacrylate.

## 3. Hazards Identification

None, if handled according to directions.

Irritating to eyes, respiratory system and skin.

May cause sensitization by skin contact.

## 4. First-aid measures

**In case of inhalation:** In case of prolonged exposure take patient to open air.

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

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

**In case of ingestion:** Immediately seek medical advice.

## 5. Fire-fighting measures

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

**Not suitable extinguishing media:** direct jet of water

## 6. Accidental release measures

**Personal precautions:** Use only in well-ventilated areas.

**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 container tightly closed.

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

**Storage:**

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

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

**Recommended packaging material:** Container of glass, metal or solvent-stable plastics.

# Material Safety Data Sheet

Revision date: 08.03.2007

Trade name: TECO

Page 2 of 3

2222-21-06

## 8. Exposure controls/personal protection

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

**Personal protective equipment:**

**Respiratory protection:** Do not breathe vapour.

**Hand and skin protection:** Rubber gloves.

**Eye protection:** Goggles.

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

## 9. Physical und chemical properties

**Appearance:** Yellowish liquid

**Odour:** esterlike, weak

**pH-value:** ca. 3,5

**Changes in physical state:**

**Boiling temperature:** ca. 100 °C (water)

**Decomposition temperature:** > ca. 200 °C

**Flashpoint:** > 100 °C

**Explosion properties:** not established

**Vapour pressure:** < 23 mbar / 20 °C (water)

**Rel. vapour density:** > 1 (methacrylates)

**Density:** ca. 1.1 g/cm<sup>3</sup>

**Solubility in water:** ca. 50 %

## 10. Stability and reactivity

**Thermal decomposition:** at ca. 200 °C

No decomposition, if handled according to directions.

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

Cures on exposure to visible or UV-light.

**Conditions to avoid:** Heat, light.

**Materials to avoid:** Free radicals, reducing agents, heavy metal ions.

**Hazardous decomposition products:** In case of fire acrid acrylic fumes.

## 11. Toxicological information

**Acute oral toxicity:** Not completely tested.

For components: LD<sub>50</sub> (Ratte) > 5500 mg/kg

**Irritation of skin :** Irritating on prolonged exposure.

**Irritation of eye:** Irritating.

**Specific effects:** Allergic reactions to methacrylates are possible.

May cause sensitization by skin contact.

## 12. Ecological information

Do not discharge into drains or the environment.

**Persistence und degradability:** Up to 50 % biologically degradable.

**Ecotoxicity:** Fish toxicity LC<sub>50</sub> > 360 mg/l / 48 h.

# Material Safety Data Sheet

Revision date: 08.03.2007

Trade name: TECO

Page 3 of 3

2222-21-06

## 13. Disposal considerations

**Waste from residues:** Use proper landfill disposal or incineration in accordance with local, state and federal regulations.

## 14. Transport information

**Additional information:** Not dangerous cargo.

## 15. Regulatory information

**Labelling according international regulations:** Xi, Irritant. Contains methacrylic ester.

**Symbols of danger:** St Andrew's cross.

**R-Phrases:** 36/37/38 - 43

Irritating to eyes, respiratory system and skin.

May cause sensitization by skin contact.

**S-Phrases:** 26 - 28

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

After contact with skin wash immediately with plenty of water and soap.

## 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.