

Material Safety Data Sheet

Revision Date: 02.03.2009

(EC 1907/2006)

Page 1 of 3

2222-21-10

1. Chemical product and company identification

Product name:

TECO

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

Emergency Contact: Infotrac-(800)535-5053

2. Hazards Identification

None, if handled according to directions.

Irritating to eyes, respiratory system and skin.

May cause sensitization by skin contact.

3. Composition / Information on ingredients

Common chemical name / Generic name:

Aqueous preparation of acrylic resin.

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

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.

Material Safety Data Sheet

Revision date: 02.03.2009

Trade name: TECO

Page 2 of 3

2222-21-10

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.

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/cm³

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.

Material Safety Data Sheet

Revision date: 02.03.2009

Trade name: TECO

Page 3 of 3

2222-21-10

11 Toxicological information

- **Acute oral toxicity:** Not completely tested.
For components: LD₅₀ (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 LC₅₀ > 360 mg/l / 48 h.

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.