

Material Safety Data Sheet

Revision Date: 02.03.2009

(EC 1907/2006)

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2222-21-09

1. Chemical product and company identification

Product name:

Contax Bond / Primer

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.

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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.

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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.

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2225-23-10

1. Chemical product and company identification

Product name:
Contax Activator

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, mono-, dimethacrylate, carboxylic methacrylate.

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.

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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 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.

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11 Toxicological information

- Acute oral toxicity:** Not completely tested.
For components: LD₅₀ (rat) > 5000 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 > 230 mg/l / 96 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:

Xi



Irritant

R-Phrases: 36/37/38 - 43

Irritating to eyes, respiratory system and skin.
May cause sensitization by skin contact.

S-Phrases: 26 – 28 - S36/37/39

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.

Wear suitable protective clothing, gloves and eye/face protection.

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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.