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MATERIAL SAFETY DATA SHEET

TRADE NAME:	PerfecTEMP II Temporary Crown & Bridge Material
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CHEMICAL FAMILY: Provisional Dental Material

CHEMICAL COMPOSITION: Preparation of acrylic resin, glass powder and silica, contains urethane dimethacrylate, aromatic dimethacrylate, glycol methacrylate.

HAZARDOUS INGREDIENTS/IDENTITY:

TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY:	LD50 (Ratte) > 5,000 mg/kg
IRRITATION OF SKIN:	Irritating on prolonged exposure.
IRRITATION OF EYE:	Irritating on prolonged exposure.

I. PHYSICAL DATA

APPEARANCE:	Yellowish viscous liquid.
ODOR:	Ester like weak
pH VALUE:	Ca. 7.0
BOILING POINT:	250 °C
DECOMPOSITION TEMPERATURE:	200 °C
FLASHPOINT:	150 °C
IGNITION TEMPERATURE:	380 °C
EXPLOSION PROPERTIES:	Not applicable
VAPOR PRESSURE:	1 mbar/20 °C
REL. VAPOR DENSITY:	1
DENSITY:	Ca. 2.3g/cm ³
SOLUBILITY IN WATER:	Ca. 1%

II. FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA:	Powder, sand, foam, carbon dioxide, water spray.
NOT SUITABLE EXTINGUISHING MEDIA:	Direct jet of water

III. HEALTH HAZARD DATA/FIRST AID PROCEDURES

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:	Immediately rinse with plenty of water, consult a physician.
IN CASE OF INGESTION:	Consult a physician immediately.

IV. REACTIVITY DATA

THERMAL DECOMPOSITION:	At ca. 200 °C, no decomposition if handled and stored according to directions.
HAZARDOUS REACTIONS:	None, if handled and stored according to directions.
CONDITIONS TO AVOID:	Heat, light.
MATERIALS TO AVOID:	Free radicals, reducing agents, and heavy metal ions.
HAZARDOUS DECOMPOSITION PRODUCTS:	In case of fire, acrid acrylic fumes.
CURE:	Cures on exposure to free radicals or UV-light.

V. SPILL OR LEAK PROCEDURES

PERSONAL PRECAUTIONS:	Use only in well-ventilated areas.
ENVIRONMENTAL PRECAUTIONS:	Avoid pollution of water and sewage.
METHODS FOR CLEAN-UP:	Take up mechanically, with inert fluid-binding material.
ECOLOGICAL INFORMATION:	Do not discharge into drains or the environment.
PERSISTENCE AND DEGRADABILITY:	No data available for the preparation. Well disposable, for components up to 9%.
ECOTOXICITY:	Fish toxicity LC50 > 360 mg/l/48 h (for water-soluble components).
DISPOSAL CONSIDERATIONS	
WASTE FROM RESIDUES:	Use proper landfill disposal or incineration in accordance with local, state and federal regulations.
TRANSPORT INFORMATION:	Not dangerous cargo.

VI. SPECIAL PROTECTION INFORMATION

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 cool, dark place.

RECOMMENDED PACKAGING MATERIAL:	Container of solvent-stable plastics.
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ENGINEERING MEASURES:	Use only in well-ventilated areas.
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RESPIRATORY PROTECTION:	Do not breathe vapors.
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HAND AND SKIN PROTECTION:	Wear protective rubber gloves.
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EYE PROTECTION:	Wear goggles or other protective eyewear.
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HYGIENE MEASURES:	When using do not eat or drink.
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REGULATORY INFORMATION

LABELING ACCORDING TO
INTERNATIONAL REGULATIONS:

SYMBOLS OF DANGER:

R-PHRASES:

S-PHRASES:

Xi, irritant. Contains methacrylic ester.

St. Andrew's cross.

36/37/38. Irritating to eyes, respiratory system and skin.

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.

EMERGENCY PHONE NUMBER: (805) 346-3700

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