

# MATERIAL SAFETY DATA SHEET

Issue Date 04.10.2022

Version Number 0

Review date -

## SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Prevest C&B, Ceramic  
**Intended use:** 3D printing resin for fabrication of crowns & bridges, inlays, onlays and veneers  
**Company Name:** Prevest Denpro Limited  
**Address:** Unit II, Export Promotion Industrial Park (EPIP), Bari Brahmana, Jammu (J&K)-181133 India  
**Tel:** 0191 3506858 / 8899074151  
**Fax No:** +91-1923-222774  
**Email:** customercare@prevestdenpro.com  
**Web:** www.prevestdenpro.com  
**Emergency Contact No:** +91 8899074151

## SECTION 2 : HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No. 1272/2008 [CLP]

Skin Sens.	Cat. 1	H317
Aquatic Chronic.	Cat. 2	H411
Serious eye damage/eye irritation	Cat. 2	H319

For the full text of H, phrases see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

Hazard statements:

H319 Causes Serious irritation.  
H411 Toxic to aquatic life with long lasting effects.  
H317 May cause an allergic skin reaction.

Precautionary statements:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P273: Avoid release to the environment.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P501: Dispose of contents/container to an approved waste disposal plant.

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## 2.3. Other hazards

No additional information available

## SECTION 3 : COMPOSITION/ INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable.

### 3.2. Mixtures

COMPONENTS	C.A.S.	% by Wt
Methacrylate	-	(trade secret*)
Photo initiators		(trade secret*)
Pigments	-	< 1 (trade secret*)

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### **After inhalation**

Move the victim to fresh air. Put the victim at rest and keep warm.

#### **After contact with the skin**

After contact with the skin, wash immediately with water and soap.

#### **After contact with the eyes**

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

#### **After ingestion**

Call a physician immediately.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

#### **Suitable extinguishing media**

Water fog. Extinguishing powder. Sand. Foam. Carbon dioxide (CO<sub>2</sub>).

#### **Unsuitable extinguishing media**

High power water jet.

### 5.2. Special hazards arising from the substance or mixture

CO<sub>x</sub>, NO<sub>x</sub>

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## SECTION 6: ACCIDENT RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures  
Wear suitable protective clothing. Provide adequate ventilation.
- 6.2. Environmental precautions  
Do not allow to enter into surface water or drains.
- 6.3. Methods and material for containment and cleaning up  
Take up mechanically.

## SECTION 7: HANDLING AND STORAGE

- 7.1. Precautions for safe handling  
**Advice on safe handling**  
Keep container tightly closed. Wear suitable protective clothing and gloves. Avoid contact with eyes.
- 7.2. Conditions for safe storage, including any incompatibilities  
**Requirements for storage rooms and vessels**  
Keep the container tightly closed in a cool, well-ventilated place.  
Store only in original container.

## SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

- 8.1. Exposure Controls
- Ventilation Controls**  
Ensure adequate ventilation.
- Respiratory Protection**  
Respirators are generally not needed under normal conditions of use. If this material is handled at elevated temperature, under mist forming conditions or in case of accidental release of large quantities of product use a full-face respirator with multi-purpose combination as a backup to engineering controls.
- Protective Gloves**  
Wear impervious gloves (nitrile or neoprene) for routine handling.  
Eye and Face Protection: Chemical splash goggles or a face shield is recommended during operations where splashing could occur.
- Skin Protection**  
Avoid all skin contact. Depending on the conditions of use, cover as much of the exposed skin area as possible by wearing gloves, aprons, long pants, and long sleeved shirts.
- Other Controls**  
For operations where contact can occur a safety shower and eye wash facility should be available. Always use good personal hygiene and housekeeping practices. Wash hands thoroughly after handling.

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## Environmental Exposure Controls

Keep product from waterways and watersheds. This substance is not readily biodegradable and dangerous for the environment. Avoid release into the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

#### Appearance

Form	Colored Liquid
Color	Tooth Color
Odor	Fruit, ester-like odor
Odor Threshold	N/D
pH value at 20°C (68°F)	N/D

#### Change in condition

Melting Point/Melting Range	N/D
Flash point	N/D
Flammability (solid, gaseous)	N/D
Decomposition temperature	N/D
Auto igniting	N/D
Danger of explosion	N/D
Explosion limits	N/D
Lower	N/D
Upper	N/D
Vapour Pressure at 20°C (68°F):	N/D
Vapour Density	N/D
Evaporation rate	N/D
Miscibility with Water	Nearly Insoluble in Water
Partition coefficient (n-octanol/water)	N/D
Solvent content	N/D
Organic solvents	N/D
Viscosity, dynamic	2000-3800 M.P.a (25° C)
Water	N/D
Solids content	N/D

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## SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

None known

10.2. Chemical Stability

Stable if handled and stored as directed.

10.3. Thermal decomposition/Conditions to avoid

Avoid heat, light and sources of contamination.

10.4. Possibility of hazardous reactions/Conditions to avoid

Heat, light, sources of contamination or inhibitor depletion may cause spontaneous polymerization generating heat and pressure. Closed containers may rupture or explode during run away polymerization.

10.5. Incompatible materials

Reducing and oxidizing agents, peroxides and amines.

10.6. Hazardous decomposition products

Thermal decomposition may release acrid smoke or fumes, carbon and nitrogen oxides.

## SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified

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## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecology - general

Avoid release to the environment.

Acute aquatic toxicity

Not classified

Chronic aquatic toxicity

Harmful to aquatic life with long lasting effects.

### 12.1. Persistence and degradability

No additional information available

### 12.2. Bioaccumulative potential

No additional information available

### 12.3. Mobility in Soil

No additional information available

### 12.4. Results of PBT and vPvB assessment

No additional information available

### 12.5. Other adverse effects

Additional Information

No additional information available

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### **Disposal recommendations**

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

## SECTION 14: TRANSPORT INFORMATION

**Land transport (ADG): NOT REGULATED**

**Air transport (ICAO-IATA / DGR): NOT REGULATED**

**Sea transport (IMDG-Code): NOT REGULATED**

#### **Other applicable information**

No dangerous good in sense of these transport regulations.

## SECTION 15: REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture :

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No further relevant information available

- **Particular provisions** : No data available

## SECTION 16: OTHER INFORMATION

Skin Sen.	Skin Sensitisation.
Skin	Can be absorbed through skin.
Skin Irri.	Skin Irritation.
Eye Irri.	Eye Irritation.
Repr. Tox.	Reproductive Toxicity

### Hazard statements (number and full text)

H411	Toxic to aquatic life with long lasting effects.
H317	May cause an allergic skin reaction.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H413	May cause long lasting harmful effects to aquatic life.

- **Department issuing MSDS:** Regulatory affairs
- **SDS Issue date:** 04.10.2022
- **Contact:** research@prevestdenpro.com

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