

# MATERIAL SAFETY DATA SHEET

Issue Date 26.10.2022

Version Number 0

Review date 25.10.2025

## SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Prevest Model Pro  
**Intended use:** 3D printing resin for fabrication of dental models  
**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. 4	H413

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

#### Hazard statements:

H317 May cause an allergic skin reaction.

#### Precautionary statements:

P264: Wash skin thoroughly after handling  
P270: Do not eat, drink or smoke when using this product.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P363 Wash contaminated clothing before reuse.  
P273: Avoid release to the environment.  
P301+312: IF SWALLOWED: Call a poison centre or doctor/physician if you feel unwell.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing.  
P310: Immediately call a poison centre or doctor/physician.  
P314: Get medical advice/attention if you feel unwell.

# MATERIAL SAFETY DATA SHEET

Issue Date 26.10.2022

Version Number 0

Review date 25.10.2025

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

P362+364: Take off contaminated clothing and wash it before use.

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

## 2.3. Other hazards

No additional information available

## SECTION 3 : COMPOSITION/ INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable.

### 3.2. Mixtures : None of the components are hazardous

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

\*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a 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>).

# MATERIAL SAFETY DATA SHEET

Issue Date 26.10.2022

Version Number 0

Review date 25.10.2025

**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>.

**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 or respirator cartridges 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.

# MATERIAL SAFETY DATA SHEET

Issue Date 26.10.2022

Version Number 0

Review date 25.10.2025

**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.

**Environmental Exposure Controls**

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

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form	Color Liquid
Color	Colored, or having an intentionally added pigmented 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
Viscosity, dynamic	500-600 M.P.a (25° C)
Organic solvents	N/D
Water	N/D
Solids content	N/D

# MATERIAL SAFETY DATA SHEET

Issue Date 26.10.2022

Version Number 0

Review date 25.10.2025

## 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

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecology - general

Avoid release to the environment.

# MATERIAL SAFETY DATA SHEET

Issue Date 26.10.2022

Version Number 0

Review date 25.10.2025

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**

Disposal according to official regulations.

## 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**

- **Classification and labeling information included in section 2:**
- **Particular provisions :** No data available

# MATERIAL SAFETY DATA SHEET

Issue Date 26.10.2022

Version Number 0

Review date 25.10.2025

**SECTION 16: OTHER INFORMATION****Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

Classification	Classification procedure
Skin Sens. 1B; H317 Aquatic Chronic 2; H411	Calculation method

**Legend****Note: Not all of the following are necessarily contained in this Safety Data Sheet:**

Skin Sen.	Skin Sensitisation.
Skin Irri.	Skin Irritation.
Eye Irri.	Eye Irritation.

**Relevant H and EUH statements (number and full text)**

H317	May cause an allergic skin reaction.
H315	Causes skin irritation.

- **Department issuing MSDS:** Regulatory affairs
- **SDS Issue date:** 26.10.2022
- **Contact:** research@prevestdenpro.com

**Disclaimer:**

The information contained herein is believed to be true and accurate. However, all statements, recommendations or suggestions are made without any guarantee, representation or warranty, express or implied, on our part. Therefore, no warranty is made or to be implied that the information set out in this document is accurate or complete, and we accordingly exclude all liability in connection with the use of this information or the products referred to herein. All such risks are assumed by the purchaser/user. The information contained herein is also subject to change without notice. For the avoidance of doubt, however, nothing in this document excludes or limits our liability for death or personal injury caused by our negligence or for fraudulent misrepresentation.