

MATERIAL SAFETY DATA SHEET

Issue Date 16.12.2024

Version Number 0

Review date 15.11.2027

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Prevest Model
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)-181133India
Tel: 01913506858/8899074151
Fax No: +91-1923-222774
Email: customercare@prevestdenpro.com
Web: www.prevestdenpro.com
Emergency Contact No: +918899074151

SECTION 2: HAZARD IDENTIFICATION

Classification of the substance or mixture

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

Skin Sens.

Cat.1

H317

Adverse physicochemical, human health and environmental effects

No additional information available

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.

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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.

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	Proprietary	(trade secret*)
Photoinitiators	Proprietary	(trade secret*)
Pigments	Proprietary	<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

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

Extinguishing media

Suitable extinguishing media

Water fog. Extinguishing powder. Sand. Foam. Carbon dioxide (CO₂).

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Unsuitable extinguishing media

High power water jet.

Special hazards arising from the substance or mixture

CO_x, NO_x.

SECTION 6: ACCIDENT RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing. Provide adequate ventilation.

Environmental precautions

Do not allow to enter into surface water or drains.

Methods and material for containment and cleaning up

Take up mechanically.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Keep container tightly closed. Wear suitable protective clothing and gloves. Avoid contact with eyes.

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

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.

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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	N/D
Melting Point/Melting	N/D
Range Flash point	N/D
Flammability (solid, gaseous)	N/D
Decomposition temperature	N/D
Auto igniting	N/D
Danger of explosion	N/D
Explosion limits Lower	N/D
Upper	N/D
Vapour Pressure at 20°C(68°F):	N/D
Vapour Density Evaporation	N/D
Miscibility with Water	N/D
Partition coefficient(n-octanol/water)	Nearly Insoluble in Water
Solvent content	N/D
Viscosity, dynamic	500-600 M.P.a(25°C)
Organic solvents	N/D
Water	N/D
Solids content	N/D

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SECTION 10: STABILITY AND REACTIVITY

Reactivity

None known

Chemical Stability

Stable if handled and stored as directed.

Thermal decomposition/Conditions to avoid

Avoid heat, light and sources of contamination.

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.

Incompatible materials

Reducing and oxidizing agents, peroxides and amines.

Hazardous decomposition products

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

SECTION 11: TOXICOLOGICAL INFORMATION

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 sensitization	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

Toxicity

Ecology-general

Avoid release to the environment.

Persistence and degradability

No additional information available

Bioaccumulative potential

No additional information available

Mobility in Soil

No additional information available

Results of PBT and vPvB assessment

No additional information available

Other adverse effects

Additional Information Not classified

Harmful to aquatic life with long lasting effects. 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 classified as hazardous for transport

Air transport(ICAO-IATA/DGR): Not classified as hazardous for transport

Sea transport(IMDG-Code): Not classified as hazardous for transport

Other applicable information

No dangerous good in sense of these transport regulations

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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

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

Classification	Classification procedure
SkinSens.1B;H317 AquaticChronic2;H411	Calculation method

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

Skin Sen.	Skin Sensitization.
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:**16.12.2024
- **Contact:**research@prevestdenpro.com

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