



Safety Data Sheet (SDS) – Resinify BasePro™

Section 1: Identification

Product Name: Resinify BasePro™

Recommended Use: Light-curable resin for 3D printing denture bases

Manufacturer: Resinify Technology LLC

Address: Detroit, Michigan, USA

Email: info@resinifytechnology.com

Website: www.ResinifyTechnology.com

Emergency Telephone: Available on request

Section 2: Hazard Identification

Classification according to Regulation (EC) No. 1272/2008 [CLP] / GHS:

- Skin Irrit. 2 – H315: Causes skin irritation
- Eye Irrit. 2 – H319: Causes serious eye irritation
- Skin Sens. 1 – H317: May cause an allergic skin reaction

Signal Word: Warning

Pictograms: Exclamation Mark

Precautionary Statements:

- Avoid contact with skin and eyes
- Wear protective gloves, protective clothing, and eye protection
- Avoid breathing vapors or mists
- Wash hands thoroughly after handling

Section 3: Composition/Information on Ingredients

Mixture of acrylated oligomers, methacrylate monomers, photoinitiators, pigments, and stabilizers.

Main Components (typical range):

- Urethane dimethacrylate oligomers (UDMA): 30–40%
- Bis-EMA dimethacrylate: 25–35%
- Isobornyl methacrylate (IBOMA): 10–20%
- Triethylene glycol dimethacrylate (TEGDMA): 5–10%
- Photoinitiators: 1–3%
- Pigments/Stabilizers: <5%

Section 4: First Aid Measures

Skin: Wash with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation persists.



Eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present. Seek medical attention.

Inhalation: Move to fresh air. If symptoms persist, seek medical attention.

Ingestion: Rinse mouth with water. Do not induce vomiting. Seek immediate medical attention.

Section 5: Firefighting Measures

Suitable extinguishing media: CO₂, dry chemical powder, foam.

Hazards: In case of fire, hazardous fumes (CO, CO₂, acrid smoke) may be released.

Protective equipment: Self-contained breathing apparatus and protective clothing required.

Section 6: Accidental Release Measures

Personal precautions: Wear PPE. Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation.

Environmental precautions: Prevent entry into drains, sewers, or waterways.

Methods for cleanup: Absorb with inert material (sand, vermiculite). Collect in suitable containers for disposal.

Section 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid breathing vapors. Use PPE.

Storage: Store in tightly closed containers, at 10–30 °C, away from light and heat sources.

Shelf life: 24 months in sealed original packaging.

Section 8: Exposure Controls/Personal Protection

Engineering controls: Ensure adequate ventilation.

Personal protective equipment: Gloves, goggles, protective clothing.

Hygiene: Wash hands thoroughly after handling. Do not eat, drink, or smoke during use.

Section 9: Physical and Chemical Properties

Appearance: Colored liquid (Light Pink, Medium Pink, Dark Pink, Dark Meharry)

Odor: Mild acrylic odor

Viscosity: 500–1500 mPa·s @ 25 °C

Density: ~1.1 g/cm³

Flash Point: >100 °C

Solubility: Insoluble in water, miscible with organic solvents

Section 10: Stability and Reactivity

Stability: Stable under recommended conditions.

Conditions to avoid: Heat, light, sources of ignition.

Hazardous reactions: Polymerization may occur under improper storage.

Incompatible materials: Strong oxidizers, free radical initiators.



Section 11: Toxicological Information

Potential effects: Causes skin and eye irritation. May cause allergic skin reactions.

Exposure routes: Skin contact, eye contact, inhalation, ingestion.

Toxicity data: Based on components; not acutely toxic in small quantities.

Section 12: Ecological Information

Ecotoxicity: Harmful to aquatic organisms.

Persistence and degradability: Polymerizable; limited biodegradability.

Bioaccumulation: Not expected.

Mobility in soil: Limited due to polymerization.

Section 13: Disposal Considerations

Dispose in accordance with local regulations. Preferred method: incineration in licensed facility. Do not discharge to drains or environment.

Section 14: Transport Information

UN Number: Not regulated

DOT/ADR/IMDG/IATA: Not regulated as dangerous goods

Transport hazard class: Non-hazardous

Packaging group: Not applicable

Section 15: Regulatory Information

Complies with ISO 10993 (biocompatibility) and ISO 20795-1 (denture base resins). Meets REACH and RoHS requirements.

Section 16: Other Information

The information provided in this SDS is believed to be correct as of the date of publication.

Resinify Technology LLC makes no warranty, expressed or implied, regarding its accuracy.

Users are responsible for determining suitability for their applications.