



Safety Data Sheet (SDS)

Release Date: 08/19/2025

Prepared in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), including requirements under EU Regulation (EC) No. 1272/2008 (CLP), Regulation (EC) No. 1907/2006 (REACH), and OSHA Hazard Communication Standard (29 CFR 1910.1200)

Rodin® TruModel Resin

Section 1. Product and Company Identification

Product Identifier: Photopolymer Resin

Trade Name and/or synonyms: Rodin TruModel

CAS#: N/A

Recommended use: 3D printed removable die models and solid models for professional, laboratory, prototyping, and general modeling applications. Extraoral use only.

Manufacturer/Supplier: Pac-Dent, Inc.
670 Endeavor Circle
Brea, CA 92821
Phone: 909-839-0888

Emergency telephone number: 800-854-7256

Section 2. Hazard(s) Identification

GHS Hazard Classification of the Substance or Mixture:



Signal Word: Warning

Hazard Statement(s):

H317 May cause an allergic skin reaction
H320 May cause eye irritation
H303 May be harmful if swallowed (uncured material only)
H335 May cause respiratory irritation (uncured material only)
H402 Hazardous to aquatic life (uncured material only)

Precautionary Statement(s):

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust or fume. (uncured material only)
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves, protective clothing, eye protection and face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical attention.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical attention.
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P308+P313 IF exposed or concerned: Get medical attention.
P501 Dispose of contents and container in accordance with local and national regulations.

Description of any hazards not otherwise classified: N/A

For a mixture, the percentage of total ingredient(s) of ingredient(s) with unknown acute toxicity: 2%

NFPA Ratings (0-4)



Health = 1 (slight hazard; irritation and sensitization)
Fire = 1 (flash point >93°C, slight flammability)
Reactivity = 0 (stable under normal conditions)

HMIS Ratings (0-4)



Health = 1
Reactivity = 0
Fire = 1
PPE = B (gloves and eye protection)

Section 3. Composition/Information on Ingredients		
Hazardous Ingredients	Hazardous Ingredients	Hazardous Ingredients
Methacrylic Esters*	Methacrylic Esters*	Methacrylic Esters*
Photoinitiators*	Photoinitiators*	Photoinitiators*
*Denotes that the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.		

Section 4. First-Aid Measures
Inhalation: Move person to fresh air. Keep comfortable for breathing. Seek medical attention if symptoms such as coughing or breathing difficulty occur.
Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if irritation or rash develops.
Eye Contact: Rinse cautiously with clean water for at least 15 minutes. Remove contact lenses if easy to do. Seek medical attention if irritation persists.
Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical attention if symptoms occur.
Most Important Symptoms and Effects: Eye irritation, skin irritation, possible allergic skin reaction. See Section 2 for details.
Indication of Immediate Medical Attention: If eye irritation persists, or if allergic skin reaction occurs, seek medical care promptly.
Information for Physicians: Treat symptomatically and supportively.

Section 5. Fire-Fighting Measures
Extinguishing Media
Suitable: Water mist/fog, alcohol-resistant foam, carbon dioxide (CO ₂), or dry chemical.
Unsuitable: Do not use a direct water jet, as it may spread the fire.
Note: Water may not be effective for extinguishing a fire involving this product; use water spray/fog only to cool containers and prevent pressure build-up.
Special hazards arising from the substance or mixture: Thermal decomposition may produce toxic and irritating fumes/gases. Heat can cause polymerization with rapid release of energy.
Advice for firefighters: Wear full protective equipment (bunker gear) and a self-contained breathing apparatus (SCBA). Avoid contact with skin, eyes, and clothing. Do not breathe fumes or vapors. Move containers from fire area if safe to do so. Avoid unnecessary runoff of extinguishing media to prevent environmental contamination.

Section 6. Accidental Release Measures
Personal precautions, protective equipment and emergency procedures: Wear safety glasses with side shields, gloves and laboratory coat recommended. Avoid contact with skin, eyes, and clothing. Ventilate area and eliminate ignition sources. Do not walk through spilled material.
Environmental precautions: Avoid releases to the environment. Prevent from reaching drains, sewers, and waterways. Report spills as required by local and national authorities.
Methods and material for containment and cleaning up: Exposure to sunlight or artificial light will cause the resin to polymerize. Spread the paste to maximize the surface area. Once the material is hard, pick up and place into a container for disposal.
Reference to other sections: Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

Section 7. Handling and Storage
Precautions for safe handling: Avoid contact with the eyes, skin and clothing. Avoid breathing dust or fumes. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Do not reuse containers. Empty containers retain product residues and can be hazardous. Follow all SDS precautions when handling empty containers.
Conditions for safe storage, including any incompatibilities: Store in a tightly closed container in a cool (4-25°C/40-75°F), well-ventilated location away from incompatible materials. Do not store near high temperatures, light or ignition sources. Do not store in an oxygen-free environment. Avoid freezing the material.
Specific end use(s): For modeling and prototyping applications in accordance with the safety instructions provided in this Safety Data Sheet.

Section 8. Exposure Controls / Personal Protection
Exposure Control: Use in an enclosed process area is recommended.
Personal protective equipment:
Eye Protection: Chemical splash goggles or face shield when risk of splashing exists.
Skin Protection: Protective gloves; lab coat or apron as needed.
Respiratory Protection: Not normally required. If heated or aerosolized, use approved respirator per local regulations
General hygienic measure: Wash hands after handling material and before eating. See section 7 for full protective measures.

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Breathing Equipment: None should be needed from normal use. If this material is handled at elevated temperature or under mist forming conditions, approved respiratory protection equipment should be used. Selection and use of respiratory equipment must be in accordance with applicable regulations and good industrial hygiene practice.

Protection of hands: Gloves are recommended. Depending on the conditions of use, lab coat and/or arm shields may be used.

Material of gloves, Penetration time of glove material: N/D

Eye protection: Use of safety goggles with side shields is recommended.

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties.

General Information.

Appearance

Form: Liquid

Color: Having an intentionally added pigmented color.

Odor: Fruity, ester-like odor.

Odor Threshold: N/D

pH value at 20°C (68°F):

Change in condition

Melting point/Melting range: N/D

Boiling point/Boiling range: N/D

Flash point:(PMCC) GT 93C/200F

Flammability (solid, gaseous): N/D

Ignition Temperature: 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

Vapor Pressure at 20°C (68°F): N/D

Density at 20°C (68°F): N/D

Relative vapor density: N/D

Vapor Density: N/D

Evaporation rate: N/D

Miscibility with Water: Nearly insoluble in water.

Partition coefficient (n-octanol/water): N/D

Viscosity Units, Temp. (Brookfield)

220-250 cps at 25C/77F

Solvent content: N/D

Organic solvents: N/D

Water: N/D

Solids content: N/D

Other information: Specific Gravity: 1.10-1.125 at 25C/77F

Section 10. Stability and Reactivity

Reactivity: Not reactive under recommended handling and storage conditions.

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: Hazardous reactions are not anticipated under recommended conditions of handling and storage. Stable under recommended handling and storage conditions.

Incompatible materials: Avoid contact with peroxides, strong oxidizers, alcohols, metals (like copper, iron), and strong bases.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Acute toxicity: Based on available data, the classification criteria are not met for acute oral or dermal toxicity.

Primary irritant effect: See Section 2 for possible skin and eye irritation and sensitization.

LD/LC50 values that are relevant for classification: N/D

Additional toxicological information: N/D

IARC (International Agency for Research on Cancer) None of the components are listed.

NTP (National Toxicology Program) None of the components are listed.

Section 12: Ecological Information

Aquatic Toxicity: Hazardous to aquatic life.

Persistence and degradability: No data is currently available.

Behavior in environmental systems: No data is currently available.

Bioaccumulative potential: No data is currently available.

Mobility in Soil: No data is currently available.

Additional ecological information: No additional data is available.

General Notes: Release into the environment should be avoided. Refer to section 13 for disposal information.

Results of PBT and vPvB assessment: N/D

Other adverse effects: None known.

Section 13. Disposal Considerations

Waste Treatment Methods: Cure material before disposal. Dispose in accordance with all federal, state and local regulations. Consult state and local hazardous waste regulations to ensure complete and accurate classification of waste. US EPA guidelines for the classification of hazardous waste are found in 40 CFR part 261.3.

Uncleaned packaging: Rinse with alcohol. Contain and dispose of rinse material according to all federal, state and local regulations.

Recommended cleansing agent: Isopropyl alcohol (for cleaning only; do not mix with resin)

Section 14. Transport Information

Department of Transportation (DOT) classification: Not hazardous by DOT regulations.

DOT proper shipping name: Not regulated.

International Maritime Dangerous Goods Code (IMDG): Not regulated

International Air Transportation Association (IATA): Not regulated

ADR: Not regulated

UN proper shipping name: Not applicable (N/A). The product is not classified as dangerous goods under IMDG, IATA, DOT.

Transport Hazard Class(es): Not regulated

Danger code (Kemler): N/A

EMS Number: N/A

Transport in Bulk (MARPOL73/78 and IBC Code): N/A

Australian HazChem Code: N/A

Section 15. Regulatory Information**Safety, Health, and Environmental Regulations****U.S. Regulations:**

SARA: Immediate Hazard – Yes; Delayed Hazard – Yes; Fire/Pressure/Reactivity – No

TSCA: All components are compliant

California Proposition 65: No listed chemicals

OSHA/NIOSH: No listed components

EU Regulations:

CLP (EC No. 1272/2008): Classified and labeled according to GHS

REACH (EC No. 1907/2006): No SVHC substances; no restrictions

EINECS: All ingredients listed or exempt

Water Hazard Class (WGK): Slightly hazardous to water (see Section 12)

Chemical Safety Assessment:

Not carried out for this mixture.

Hazard pictograms:

Signal Word: Warning

Hazard-determining components of labeling: See Section 2.

Hazard statements: See Section 2.

Precautionary statements: See Section 2.

Section 16. Other Information

Abbreviations and Acronyms: All abbreviations used in this SDS are defined where they first appear.

Other information not contained elsewhere: The details provided are based on current knowledge and regulations. They do not guarantee specific properties and are intended for safe handling guidance only.