

# Safety Data Sheet (SDS)

Release Date: 03/15/2024

OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev.04

## RODIN VPS Reline

### Section 1. Product and Company Identification

**Product Identifier:** Denture Soft Reline (Base)  
**Trade Name and/or synonyms:** RODIN VPS Reline  
**Recommended use:** Direct intraoral denture reline material  
**Manufacturer/Supplier Address:** Pac-Dent, Inc.  
670 Endeavor Cir  
Brea, CA 92821  
Phone: 909-839-0888  
**Emergency telephone number:** : 1-800-424-9300 (in the US)  
1-703-527-3887 (Outside the US)

### Section 2. Hazard(s) Identification

**GHS Hazard Classification of the Substance or Mixture:**

None

**Signal word** Warning

**Hazard statements** H319 Causes eye irritation



**Appearance** Transparent Pink      **Physical state** Gel      **Odor** None

**Precautionary Statements – Prevention**  
None

**Precautionary Statements – Response**  
None

**Precautionary Statements – Storage**  
None

**Precautionary Statements – Disposal**  
None

### Section 3. Composition/Information on Ingredients

Chemical Name, Common Name and Synonyms:	CAS # and other unique identifiers	% by Weight
Methyl hydrogen dimethylpolysiloxane	68037-59-2	*

\*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:** Remove victim from source of exposure into fresh air. Seek medical attention if any irritation develops.

**Skin contact:** Immediately wash skin with soap and water. Remove contaminated clothing and shoes and wash before reuse. Seek medical attention if skin irritation, redness, or swelling persists.

**Eye contact:** Rinse immediately by rinsing eye(s) continuously with a gentle stream of clean running water for at least 15 minutes. Seek medical attention if irritation persists.

**Ingestion:** If ingested, do not induce vomiting. Drink plenty of water or milk immediately. If vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately and provide an estimate of when and how much material was ingested. Seek immediate medical attention.

**Symptoms:** Skin contact may aggravate an existing dermatitis. Direct contact with eyes may cause temporary irritation.

**Information for Doctors:** Treat symptomatically

#### Section 5. Fire-Fighting Measures

##### Extinguishing Media

**Suitable:** Chemical (alcohol-resistant) foam, dry chemical, or carbon dioxide

**Unsuitable:** Water with full jet.

##### Specific hazards arising from the chemical

Irritating fumes and organic vapors may develop when material is exposed to elevated temperatures or open flame.

##### Special Fire Fighting Procedures

Do not enter fire area without proper protection. Wear self-contained breathing apparatus pressure -demand (MSHA/NIOSH) approved or equivalent) and full protective gear. Evacuate all unnecessary personnel. Shut down motors, pumps, electrical service and eliminate all sources of ignition. Fight fire from a safe location. Use a water spray or fog to reduce or direct vapors, and keep containers cool. Water may be ineffective. Do not use water jet (frothing possible). Water spray to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike and collect water used to fight fires.

##### Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus for firefighting if necessary. Do not enter fire area without proper protection. Fight fire from a safe distance/protected location. Heat/impurities may increase temperature/build pressure/rupture closed containers, spreading fire, increasing risk of burns/injuries. Use water spray to cool unopened containers. Pressure relief system may plug with solids creating risk of overpressure.

#### Section 6. Accidental Release Measures

##### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Before cleaning any spill or leak, individuals must wear personal protective equipment as required. Remove any contaminated clothing and wash thoroughly before reuse.

**Environmental precautions** Prevent product from entering drains. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

##### Method and material for containment and clean-up

**Method for containment** Prevent further leakage or spillage if safe to do so. Dike and contain spill with inert material. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. DO NOT use combustible materials such as sawdust. May contaminate water supply.

**Method for clean-up** Maximize ventilation (open doors and windows) and secure all sources of ignition. Place into appropriate closed container(s) for disposal in accordance with local, state and federal regulations. Wash all affected areas with plenty of warm water and soap.

#### Section 7. Handling and Storage

**Precautions for safe handling:** Precautions for safe handling Observe instructions for use. Prevent formation of dust. Any deposit of dust which cannot be avoided must be regularly removed. Avoid contact with the eyes and skin. Information about protection against explosions and fires: Dust can combine with air to form an explosive mixture.

**Conditions for safe storage, including and incompatibilities:****Requirements to be met by storerooms and receptacles:**

Store only in unopened original receptacles.

**Information about storage in one common storage facility:**

Store away from foodstuffs.

**Further information about storage conditions:**

Observe instructions for use / storage.

Keep receptacle tightly sealed.

**Specific end use(s)** No further relevant information available.

**Packaging materials:** Keep in original container.

**Section 8. Exposure Controls / Personal Protection**

**Additional information about design of technical systems:** No further data; see item 7.

**Control parameters****Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists that were valid during the creation were used as basis.

**Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Avoid contact with the eyes and skin.

Wash hands before breaks and at the end of work.

Immediately remove all soiled and contaminated clothing.

**Breathing equipment:** Suitable respiratory protective device recommended.

**Protection of hands:** Protective gloves

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Safety glasses

**Section 9. Physical and Chemical Properties****Information on basic physical and chemical properties**

<b>Physical State</b>	Gel	<b>Vapor Pressure:</b>	Not determined
<b>Appearance</b>		<b>Density:</b>	Not determined
<b>Color</b>	Transparent pink	<b>Vapor Density:</b>	Not determined
<b>Odor:</b>	Undetermined	<b>Evaporation rate:</b>	Not determined
<b>Odor Threshold:</b>	Not determined	<b>Miscibility with Water:</b>	Insoluble
		<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b>Property</b>		<b>Solvent content:</b>	Not determined
<b>pH value:</b>	Not determined	<b>Organic solvents:</b>	Not determined
<b>Melting point/Melting range:</b>	Not determined	<b>Water:</b>	Not determined
<b>Boiling point/Boiling range:</b>	Not determined	<b>Solids content:</b>	50%
<b>Flash point:</b>	N/A		
<b>Flammability (solid, gaseous):</b>	N/A	<b>Other information:</b> Specific Gravity:	Not determined
<b>Ignition Temperature:</b>	Undetermined		
<b>Decomposition temperature:</b>	Not determined	<b>Explosion limits:</b>	
<b>Auto ignition temperature:</b>	Product is not self-igniting	<b>Lower:</b>	Not determined
<b>Danger of explosion:</b>	Product does not present an explosion hazard.	<b>Upper:</b>	Not determined

**Section 10. Stability and Reactivity**

**Reactivity:** No further relevant information available.

**Chemical Stability:** Stable at ambient temperature.

**Thermal decomposition/Conditions to be avoided:**

No decomposition if used according to specifications.

**Possibility of hazardous reactions:** No dangerous reactions known.

**Conditions to avoid: No information**

**Incompatible materials:** No further relevant information available.

**Section 11. Toxicological Information****Information on Toxicological Effects**

**Acute toxicity:**

**LD/LC50 values that are relevant for classification:** No further relevant information available.

**Primary irritant effect:**

**Skin contact:** No irritant effect.

**Eye contact:** Irritating effect.

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations: **Irritant**

**Section 12: Ecological Information****Toxicity**

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability** No further relevant information available.

**Behavior in environmental systems:**

**Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

**Additional ecological information:**

**General notes:**

**Water hazard class 3 (Self-assessment): extremely hazardous for water**

Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects** No further relevant information available.

**Section 13. Disposal Considerations****Waste treatment methods****Disposal of wastes**

Follow all local and national government regulations in disposing material or contaminated packaging.

For U.S. - Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging**

Reuse of empty drums or containers is not recommended. Dispose of all empty containers in accordance with local and national government regulations.

<b>Safety Data Sheet (SDS)</b>	<b>RODIN VPS Reline</b>
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Section 14. Transport Information	
<b>UN-Number</b> DOT, ADR, ADN, IMDG, IATA	Void
<b>UN proper shipping name</b> DOT, ADR, ADN, IMDG, IATA	Void
<b>Transport hazard class</b> DOT, ADR, ADN, IMDG, IATA	Void
<b>Packing group</b> DOT, ADR, IMDG, IATA	Void
<b>Environmental hazards:</b>	
<b>Marine pollutant:</b>	No
<b>Special precautions for user</b>	Not applicable.
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>UN "Model Regulation":</b>	-

Section 15. Regulatory Information
<p><b>Safety, health and environmental regulations/legislation specific for the substance or mixture SARA (Superfund Amendments and Reauthorization Act)</b></p> <p><b>Section 355 (extremely hazardous substances):</b> None of the ingredient is listed.</p> <p><b>Section 313 (Specific toxic chemical listings):</b> None of the ingredients is listed.</p> <p><b>TSCA (Toxic Substances Control Act):</b> vinyl dimethylpolysiloxane methyl hydrogen dimethylpolysiloxane Carcinogenic categories EPA (Environmental Protection Agency) None of the ingredients is listed.</p> <p><b>TLV (Threshold Limit Value established by ACGIH)</b> iron(III) oxide A4</p> <p><b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b> None of the ingredients is listed.</p> <p><b>GHS label elements</b> The product is classified and labeled according to the Globally Harmonized System (GHS).</p> <p><b>Hazard pictograms</b> Void</p> <p><b>Signal word</b> Warning</p> <p><b>Hazard statements</b> Causes eye irritation.</p> <p><b>Precautionary statements</b> Wash hands thoroughly after handling.</p> <p><b>If eye contact occurs:</b> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.</p> <p><b>Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out.</p>

Section 16. Other Information			
HMIS	Health Hazards	Flammability	Physical Hazards
1	0	0	

END OF DOCUMENT

# Safety Data Sheet (SDS)

Release Date: 03/15/2024

OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev.04

## RODIN VPS Release

### Section 1. Product and Company Identification

**Product Identifier:** VPS Remover  
**Trade Name and/or synonyms:** RODIN VPS Release  
CAS# 80-62-6

**Other means of identification**

SDS# 087  
UN/ID No - UN1247  
Product Code SR06

**Recommended use:** Adhesive remover from acrylic

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

**Emergency telephone number:** : 1-800-424-9300 (in the US)  
1-703-527-3887 (Outside the US)

### Section 2. Hazard(s) Identification

**GHS Hazard Classification of the Substance or Mixture:**

Flammable liquids	Category 2
Skin Corrosion / Irritation	Category 2
Skin Sensitization	Category 1
Specific Target Organ Toxicity - Single Exposure (Respiratory)	Category 3

**Signal word**            **Danger**

**Hazard statements**    H225 Highly flammable liquid and vapor.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.



**Appearance** Clear            **Physical state** Liquid            **Odor** Acrid

**Precautionary Statements – Prevention**

P210 Keep away from heat/sparks/open flames/ hot surfaces. No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 Wash hands thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements – Response**

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before use.  
P370+P378 in case of fire: Use CO2, to extinguish.

**Precautionary Statements – Storage**

P235 Keep cool.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

**Precautionary Statements – Disposal**

P501 Dispose of contents/container in accordance with local regulation. Hazardous component(s) for labeling Contains methyl methacrylate

**Section 3. Composition/Information on Ingredients**

Chemical Name, Common Name and Synonyms:	CAS # and other unique identifiers	% by Weight
Methyl Methacrylate	80-62-6	*

\*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:** Remove victim from source of exposure into fresh air. Seek medical attention if any irritation develops.

**Skin contact:** Immediately wash skin with soap and water. Remove contaminated clothing and shoes and wash before reuse. Seek medical attention if skin irritation, redness, or swelling persists.

**Eye contact:** Rinse immediately by rinsing eye(s) continuously with a gentle stream of clean running water for at least 15 minutes. Seek medical attention if irritation persists.

**Ingestion:** If ingested, do not induce vomiting. Drink plenty of water or milk immediately. If vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately and provide an estimate of when and how much material was ingested. Seek immediate medical attention.

**Information for Doctors:** Treat symptomatically

**Section 5. Fire-Fighting Measures****Extinguishing Media**

**Suitable:** Chemical (alcohol-resistant) foam, dry chemical, or carbon dioxide

**Unsuitable:** Water spray or water stream may not be effective.

**Specific hazards arising from the chemical**

For bulk size >1L – High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may cause spontaneous polymerizing reaction generating heat/pressure. Closed containers may rupture or explode during a runaway polymerization. This product is flammable liquid. Vapors of this product are heavier than air and may travel to a source of ignition and flash back to a leaking or open container. Vapor forms an explosive mixture with air.

**Hazardous Combustion Products**

Acrid smoke-fumes/carbon monoxide/carbon dioxide and perhaps other toxic vapors may be released during a fire involving this product.

**Special Fire Fighting Procedures**

Use a water spray or fog to reduce or direct vapors, and keep containers cool. Water may not be effective in actually extinguishing a fire involving this product. Do not enter fire area without proper protection. Fight fire from a safe location. Structural firefighters must wear SCBAs and full protective equipment. Heat/Impurities may cause pressure to build and/or rupture closed containers, spreading fire, increasing risk of burns/injuries.

**Protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary. Do not enter area without proper protection. Fight fire from safe distance/protected location. Heat /impurities may increase temperature/build pressure/rupture closed containers, spreading fire, increasing risk of burns/injuries. Use water spray to cool unopened containers. Pressure relief system may plug with solids creating risk of overpressure.

### Section 6. Accidental Release Measures

#### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Before cleaning any spill or leak, individuals must wear personal protective equipment as required. Remove any contaminated clothing and wash thoroughly before reuse.

**Environmental precautions** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent product from entering drains. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

#### Method and material for containment and clean-up

**Method for containment** Prevent further leakage or spillage if safe to do so. Dike and contain spill with inert material. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. DO NOT use combustible materials such as sawdust. May contaminate water supply.

**Method for clean-up** Maximize ventilation (open doors and windows) and secure all sources of ignition. Place into appropriate closed container(s) for disposal in accordance with local, state and federal regulations. Wash all affected areas with plenty of warm water and soap.

### Section 7. Handling and Storage

**Precautions for safe handling:** Keep away from heat, sparks, and flame. Keep container closed after each use. Avoid contact with skin, eyes and clothing. Use good personal hygiene and housekeeping. After use, wash hands and exposed skin with soap and water. Do not eat, drink, or smoke while handling product. Keep away from heat, sparks, and flame. Keep container closed after each use. Ground and bond all containers when transferring. Observe precautions found on the label.

**Conditions for safe storage, including and incompatibilities:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition. Protect from direct sunlight. Keep container closed to prevent water absorption and contamination. Methacrylate stored in bulk quantities must be kept in contact with air (oxygen). Keep at temperature not exceeding 30°C/86 °F.

**Packaging materials:** Keep in original container.

**Incompatible materials:** Strong oxidizing agents, strong reducing agents, free-radical generators, inert gases, oxygen scavengers.

### Section 8. Exposure Controls / Personal Protection

**Exposure guidelines:** Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required. The following information is given as general guidance.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
Methyl Methacrylate	STEL: 100 ppm	TWA:100 ppm	TWA:100 ppm
80-62-6	TWA: 50 ppm	TWA: 410 mg/m3	TWA: 410 mg/m3

ACGIH = American Conference of Governmental Industrial Hygienists / OSHA = Occupational Safety and Health Administration  
PEL = Permissible Exposure Levels / STEL – Short Term Exposure Limit / TLV – Threshold Limit Value / TWA = Time Weighted Average

#### Appropriate engineering controls:

**Engineering controls** For bulk size: Use local explosion-proof ventilation that is adequate to keep employee exposure to airborne concentrations below exposure limits.

#### Individual protection measures, such as personal protective equipment:

**Eye / face protection** Depending on the use of this product, safety glasses or goggles may be worn. If necessary, refer to US OSHA 29CFR SS1910.133, Canadian standards or the European Standard EN 166. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

**Skin and body protection** If anticipated that prolonged and repeated skin contact will occur during use of this product, wear gloves for routine industrial use. If necessary, refer to US OSHA 29CFR SS1910.138 or the appropriate standards of Canada or the EC member states. Wear suitable protective clothing.

**Respiratory protection** No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per US OSHA requirement in 29 CFR SS 1910.134, or applicable US state regulations, or the appropriate standards of Canada, its provinces, or the EC member states. VENTILATION: Local exhaust at processing equipment.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Food, beverages and tobacco products should not be carried, stored, or consumed where this material is in use. Wash hands thoroughly before eating, drinking, or smoking.

## Section 9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Vapor Pressure:</b>	Not determined
<b>Appearance</b>	Liquid	<b>Density:</b>	0.949g/mL
<b>Color</b>	Liquid	<b>Vapor Density:</b>	Not determined
<b>Odor:</b>	Acrid	<b>Evaporation rate:</b>	Not determined
<b>Odor Threshold:</b>	Not determined	<b>Miscibility with Water:</b>	Not determined
		<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b>Property</b>		<b>Solvent content:</b>	Not determined
<b>pH value:</b>	Not determined	<b>Organic solvents:</b>	Not determined
<b>Melting point/Melting range:</b>	Not determined	<b>Water:</b>	Not determined
<b>Boiling point/Boiling range:</b>	101°C / 214°F	<b>Solids content:</b>	Not determined
<b>Flash point:</b>	12°C / 54°F		
<b>Flammability (solid, gaseous):</b>	N/A (liquid)	<b>Other information:</b> Specific Gravity: 0.949 at 25C/77F	
<b>Ignition Temperature:</b>	Not determined		
<b>Decomposition temperature:</b>	Not determined	<b>Explosion limits:</b>	
<b>Auto ignition temperature:</b>	421°C / 790°F	<b>Lower:</b>	Not determined
<b>Danger of explosion: N/D</b>		<b>Upper:</b>	Not determined

## Section 10. Stability and Reactivity

**Reactivity:** Unstable/Reactive upon depletion of inhibitor.

**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:** None under normal processing

**Incompatible materials:** Strong oxidizing agents, strong reducing agents, free-radical generators, inert gases, oxygen scavengers Material has strong solvent properties and can soften paint and rubber.

**Hazardous decomposition products:** Carbon oxides

## Section 11. Toxicological Information

**Mixture Toxicity:** Inhalation Toxicity: 4,632 mg/L

**Component Toxicity:** No data available

**Routes of Exposure:** No data available

Target Organs – Eyes, skin, respiratory system

<b>Inhalation</b>	Harmful if inhaled.
<b>Eye contact</b>	Causes server eye irritation.
<b>Skin contact</b>	Causes skin irritation.
<b>Ingestion</b>	May be harmful if swallowed.

**Product Components Listed as Carcinogenic** None

## Section 12: Ecological Information

## Section 13. Disposal Considerations

**Waste treatment methods****Disposal of wastes**

Follow all local and national government regulations in disposing material or contaminated packaging.

For U.S. - Dispose of in accordance with federal, state and local regulations. When discarded, it is considered a hazardous waste by the EPA under RCRA. The reportable quantity for methyl methacrylate is 1000 lb. (40 CFR Part 302). Add excess inhibitor before disposing.

**Contaminated Packaging**

Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards due to residual material associated with empty containers. Dispose of all empty containers in accordance with local and national government regulations.

**Section 14. Transport Information**

**DOT**

**Proper shipping name:** Methyl methacrylate monomer, stabilized  
**UN/ID No:** UN1247  
**Transport Hazard Class:** 3  
**Packaging Group:** II  
**Reportable Quantity (RQ):** 1000lb (methyl methacrylate)

**IATA**

**Proper shipping name:** Methyl methacrylate monomer, stabilized  
**UN/ID No:** UN1247  
**Transport Hazard Class:** 3  
**Packaging Group:** II

**IMDG**

**Proper shipping name:** Methyl methacrylate monomer, stabilized  
**UN/ID No:** UN1247  
**Transport Hazard Class:** 3  
**Packaging Group:** II

**Section 15. Regulatory Information**

**International Inventories**

Methyl methacrylate 80-62-6  
**TSCA** Listed United States Toxic Substances Control Act, Section 8(b) Inventory  
**DSL** Listed Canadian Domestic Substances List  
**EINECS** Listed European Inventory of Existing Chemical Substances

**US Federal Regulations**

SARA 302 – Extremely hazardous substance - not listed  
 SARA 311/312 – Hazard categories – listed Methyl methacrylate 80-62-6  
 SARA 313 – Methyl Methacrylate 80-62-6 US State Regulations California Proposition 65 – Warning. This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin: None

**US State Right-to-Know Regulations** Not established

**Section 16. Other Information**

NFPA	Health Hazards	Flammability	Instability
	2	3	2
HMIS	Health Hazards	Flammability	Physical Hazards
	2	3	2

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# Safety Data Sheet (SDS)

Release Date: 03/15/2024

OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev.04

## RODIN VPS Primer Adhesive

### Section 1. Product and Company Identification

**Product Identifier:** Denture Soft Reline Primer

**Trade Name and/or synonyms:** RODIN VPS Adhesive Primer

CAS# 67-64-1

**Other means of identification**

SDS# 0876

UN/ID No - UN1993

Product Code SA06

**Recommended use:** Adhesion promoter for bonding silicone to acrylic

**Manufacturer/Supplier Address:** Pac-Dent, Inc.

670 Endeavor Cir

Brea, CA 92821

Phone: 909-839-0888

**Emergency telephone number:** : 1-800-424-9300 (in the US)

1-703-527-3887 (Outside the US)

### Section 2. Hazard(s) Identification

**GHS Hazard Classification of the Substance or Mixture:**

Flammable liquids

Category 2

Eye Irritation

Category 2

Specific Target Organ Toxicity - Single Exposure

Category 3

**Signal word**

Danger

**Hazard statements** H225 Highly flammable liquid and vapor.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness and dizziness.



**Appearance** Clear

**Physical state** Liquid

**Odor** Typical

#### Precautionary Statements – Prevention

P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat/sparks/open flames/ hot surfaces. No smoking.  
P241 Use explosion-proof electrical/ventilating/lighting/equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 Wash hands thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### Precautionary Statements – Response

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P370+P378 In case of fire: Use CO<sub>2</sub>, for extinction.

#### Precautionary Statements – Storage

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

#### Precautionary Statements – Disposal

P501 Dispose of contents/container in accordance with local regulation. Hazardous component(s) for labeling Contains methyl methacrylate

## Section 3. Composition/Information on Ingredients

Chemical Name, Common Name and Synonyms:	CAS # and other unique identifiers	% by Weight
2-Propanone	67-64-1	*

\*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:** Remove victim from source of exposure into fresh air. Seek medical attention if any irritation develops.

**Skin contact:** Immediately wash skin with soap and water. Remove contaminated clothing and shoes and wash before reuse. Seek medical attention if skin irritation, redness, or swelling persists.

**Eye contact:** Rinse immediately by rinsing eye(s) continuously with a gentle stream of clean running water for at least 15 minutes. Seek medical attention if irritation persists.

**Ingestion:** If ingested, do not induce vomiting. Drink plenty of water or milk immediately. If vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately and provide an estimate of when and how much material was ingested. Seek immediate medical attention.

**Symptoms:** Skin contact may aggravate an existing dermatitis. Direct contact with eyes may cause temporary irritation.

**Information for Doctors:** Treat symptomatically

## Section 5. Fire-Fighting Measures

**Extinguishing Media**

**Suitable:** Chemical (alcohol-resistant) foam, dry chemical, or carbon dioxide, water fog

**Unsuitable:** For this substance/mixture no limitations of extinguishing agents are given.

**Specific hazards arising from the chemical**

Irritating fumes and organic vapors may develop when material is exposed to elevated temperatures or open flame.

**Special Fire Fighting Procedures**

Do not enter fire area without proper protection. Wear self-contained breathing apparatus pressure -demand (MSHA/NIOSH approved or equivalent) and full protective gear. Evacuate all unnecessary personnel. Shut down motors, pumps, electrical service and eliminate all sources of ignition. Fight fire from a safe location. Use a water spray or fog to reduce or direct vapors, and keep containers cool. Water may be ineffective. Do not use water jet (frothing possible). Water spray to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike and collect water used to fight fires.

**Protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary. Do not enter fire area without proper protection. Fight fire from a safe distance/protected location. Heat/impurities may increase temperature/build pressure/rupture closed containers, spreading fire, increasing risk of burns/injuries. Use water spray to cool unopened containers. Pressure relief system may plug with solids creating risk of overpressure.

## Section 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Before cleaning any spill or leak, individuals must wear personal protective equipment as required. Remove any contaminated clothing and wash thoroughly before reuse.

**Environmental precautions** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent product from entering drains. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

**Method and material for containment and clean-up**

**Method for containment** Prevent further leakage or spillage if safe to do so. Dike and contain spill with inert material. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. DO NOT use combustible materials such as sawdust. May contaminate water supply.

**Method for clean-up** Maximize ventilation (open doors and windows) and secure all sources of ignition. Place into appropriate closed container(s) for disposal in accordance with local, state and federal regulations. Wash all affected areas with plenty of warm water and soap.

**Section 7. Handling and Storage****Precautions for safe handling:**

Keep away from heat, sparks, and flame. Keep container closed after each use. Avoid contact with skin, eyes and clothing. Use good personal hygiene and housekeeping. After use, wash hands and exposed skin with soap and water. Do not eat, drink, or smoke while handling product. Keep away from heat, sparks, and flame. Keep container closed after each use. Ground and bond all containers when transferring. Observe precautions found on the label.

**Conditions for safe storage, including and incompatibilities:**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition. Protect from direct sunlight. Keep container closed to prevent water absorption and contamination. Methacrylate stored in bulk quantities must be kept in contact with air (oxygen). Keep at temperature not exceeding 30°C/86 °F.

**Packaging materials:** Keep in original container.

**Section 8. Exposure Controls / Personal Protection**

**Exposure guidelines:** Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required. The following information is given as general guidance.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
2-Propanone	STEL: 750 ppm	TWA:1000 ppm	Not Determined
67-64-1	TWA: 500 ppm		

ACGIH = American Conference of Governmental Industrial Hygienists / OSHA = Occupational Safety and Health Administration  
PEL = Permissible Exposure Levels / STEL – Short Term Exposure Limit / TLV – Threshold Limit Value / TWA = Time Weighted Average

**Individual protection measures, such as personal protective equipment:**

**Eye / face protection** Depending on the use of this product, safety glasses or goggles may be worn. If necessary, refer to US OSHA 29CFR SS1910.133, Canadian standards or the European Standard EN 166. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

**Skin and body protection** If anticipated that prolonged and repeated skin contact will occur during use of this product, wear gloves for routine industrial use. If necessary, refer to US OSHA 29CFR SS1910.138 or the appropriate standards of Canada or the EC member states. Wear suitable protective clothing.

**Respiratory protection** No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per US OSHA requirement in 29 CFR SS 1910.134, or applicable US state regulations, or the appropriate standards of Canada, its provinces, or the EC member states. VENTILATION: Local exhaust at processing equipment.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Food, beverages and tobacco products should not be carried, stored, or consumed where this material is in use. Wash hands thoroughly before eating, drinking, or smoking.

## Section 9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Vapor Pressure:</b>	Not determined
<b>Appearance</b>	Liquid	<b>Density:</b>	0.75 g/mL
<b>Color</b>	Liquid	<b>Vapor Density:</b>	Not determined
<b>Odor:</b>	Typical acetone	<b>Evaporation rate:</b>	Not determined
<b>Odor Threshold:</b>	Not determined	<b>Miscibility with Water:</b>	Not determined
		<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b>Property</b>		<b>Solvent content:</b>	Not determined
<b>pH value:</b>	Not determined	<b>Organic solvents:</b>	Not determined
<b>Melting point/Melting range:</b>	Not determined	<b>Water:</b>	Not determined
<b>Boiling point/Boiling range:</b>	Not determined	<b>Solids content:</b>	Not determined
<b>Flash point:</b>	-0.4°F (-18 °C)		
<b>Flammability (solid, gaseous):</b>	N/A (liquid)	<b>Other information:</b> Specific Gravity: 0.75 g/ml	
<b>Ignition Temperature:</b>	Not determined		
<b>Decomposition temperature:</b>	Not determined	<b>Explosion limits:</b>	
<b>Auto ignition temperature:</b>	Not determined	<b>Lower:</b>	Not determined
<b>Danger of explosion:</b>	Not determined	<b>Upper:</b>	Not determined

## Section 10. Stability and Reactivity

**Chemical Stability:** Stable if handled and stored as directed.

**Possibility of hazardous reactions:** None under normal processing

**Incompatible materials:** Strong oxidizing agents, strong reducing agents, free-radical generators, inert gases, oxygen scavengers Material has strong solvent properties and can soften paint and rubber.

## Section 11. Toxicological Information

**Information on Toxicological Effects**

Primary routes of entry: Eye contact, ingestion, inhalation, skin contact.

Effects of overexposure

**Inhalation** May irritate the mucous membranes of the nose, throat, bronchi and lungs.

**Eye contact** Causes severe eye irritation. May cause tearing, redness and discomfort.

**Skin contact** Causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**Ingestion** Harmful if swallowed. Ingestion may result I nausea, vomiting, diarrhea and pain. May cause dizziness and drowsiness and/or stupor.

**Product Components Listed as Carcinogenic** None

## Section 12: Ecological Information

**Product Components Ecotoxicity** No information

**Section 13. Disposal Considerations**

**Waste treatment methods**

**Disposal of wastes**

Follow all local and national government regulations in disposing material or contaminated packaging.  
 For U.S. - Dispose of in accordance with federal, state and local regulations. When discarded, it is considered a hazardous waste by the EPA under RCRA. The reportable quantity for methyl methacrylate is 1000 lb. (40 CFR Part 302). Add excess inhibitor before disposing.

**Contaminated Packaging**

Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards due to residual material associated with empty containers. Dispose of all empty containers in accordance with local and national government regulations.

**Section 14. Transport Information**

**DOT**

**Proper shipping name:** Flammable liquid, n.o.s. (2-Propanone / Organic silicone polymer solution)  
**UN/ID No:** UN1993  
**Transport Hazard Class:** 3  
**Packaging Group:** II

**IATA**

**Proper shipping name:** Flammable liquid, n.o.s. (2-Propanone / Organic silicone polymer solution)  
**UN/ID No:** UN1993  
**Transport Hazard Class:** 3  
**Packaging Group:** II

**IMDG**

**Proper shipping name:** Flammable liquid, n.o.s. (2-Propanone / Organic silicone polymer solution)  
**UN/ID No:** UN1993  
**Transport Hazard Class:** 3  
**Packaging Group:** II

**Section 15. Regulatory Information**

**International Inventories**

**TSCA** No components listed

**US Federal Regulations**

SARA 302 – No components listed  
 SARA 311/312 – Hazard categories – Fire, Acute health hazard  
 SARA 313 – No components listed

**US State Right-to-Know Regulations**

California Proposition 65 – Warning. This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin: None

**Section 16. Other Information**

HMIS	Health Hazards	Flammability	Physical Hazards
	2	3	2

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