

# Safety Data Sheet

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Version: 1.0

## 1. CHEMICAL PRODUCTS AND COMPANY IDENTIFICATION

**Product Names/Trade Names:** ProSeal SB**Chemical Family:** Dimethyl Ketone**Manufacturer's Name:** ProREZ Coatings, LLC  
PO BOX 153  
Cromwell, CT 06416-0153 USA  
General No.: (877) 511-3456 (8:00am to 5:00pm Eastern Time)**Company 24 Hour Emergency Response Information:** CHEMTEL: 1-800-255-3924

Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to customer service.

**Comments:** To the best of our knowledge, this Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Product Act.

## 2. HAZARDS IDENTIFICATION

**Emergency Overview:** This product is a clear, volatile, flammable liquid. Has a sweet, mint-like odor. Highly flammable. Vapors may form explosive mixtures with air. The product causes irritation of eyes, skin and mucous membranes. Repeated exposure may cause skin dryness or cracking. Harmful by inhalation. Harmful: may cause lung damage if swallowed. Causes headache, drowsiness or other effects to the central nervous system. Do not allow product to contact skin, eyes and clothing. Do not breathe vapors.**Flammable Liquids, Category 2****Serious Eye Damage/Eye Irritation, Category 2****Target Organ Systemic Toxicity (single exposure), Category 3****GHS Signal Word:** Danger**GHS Hazard Phrases:**

H225: Highly flammable liquid and vapor.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

# Safety Data Sheet

## GHS Precaution Phrases

- P233: Keep container tightly closed.  
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P240: Ground/bond container and receiving equipment.  
P241: Use explosion-proof electrical/ventilating/lighting equipment.  
P243: Take precautionary measures against static discharge.  
P242: Use only non-sparking tools.  
P264: Wash hands thoroughly after handling.  
P261: Avoid breathing gas/mist/vapors/spray.  
P271: Use only outdoors or in a well-ventilated area.

## GHS Response Phrases:

- P370+378: In case of fire, use dry chemical to extinguish.  
P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313: If eye irritation persists, get medical advice/attention.  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312: Call a POISON CENTER/doctor if you feel unwell.

## GHS Storage and Disposal

- P403+235: Store in cool/well-ventilated place.

### Phrases:

- P501: Dispose of contents/container according to local, state and federal regulations.  
P403+233: Store container tightly closed in well-ventilated place - if product is as volatile as to generate hazardous atmosphere.  
P405: Store locked up.

## Potential Health Hazards:

**Skin:** Irritating to skin. Skin absorption may cause toxic effects similar to those described for inhalation. Repeated or extended contact may cause erythema (reddening of the skin) or dermatitis, resulting from a defatting action on tissue.

**Eyes:** Irritating to eyes. Symptoms include itching, burning, redness and tearing.

**Inhalation:** Harmful by inhalation. Vapors may cause drowsiness and dizziness. Inhalation of high vapor concentrations can cause CNS-depression and narcosis. Severe overexposure may produce more serious symptoms, including coma and risk of kidney damage.

**Ingestion:** Harmful: may cause lung damage if swallowed. Ingestion causes burning sensation in the mouth, throat and stomach and gastrointestinal disturbances. Ingestion of this product may result in central nervous system effects including headache, sleepiness, dizziness, slurred speech and blurred vision.

**Delayed Effects:** Repeated or prolonged exposure may cause damage to the liver and kidney.

**Medical Conditions:** Pre-existing respiratory diseases, liver or kidney dysfunctions, or central nervous system disorders may be aggravated by exposure.

Ingredients found on one of the OSHA designated carcinogen lists are listed below.

Ingredient Name	NTP Status	IARC Status	OSHA List
No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen by ACGIH, IARC, NTP or OSHA.			

# Safety Data Sheet

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	% By Weight	CAS Number
Acetone	<60%	67-64-1
Non-Hazardous Polymer	40%	Proprietary

### Component Information/Information on Non-Hazardous Component

This product is considered to be hazardous according to the criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard) and the Canadian Controlled Product Regulations.

Trace impurities and additional material names not listed above may also appear in Section 15 toward the end of the MSDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons.

## 4. FIRST-AID MEASURES

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

**Skin contact:** Wash off immediately with soap and plenty of water. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Obtain medical attention.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, provided a qualified operator is available. Call a physician immediately.

**Ingestion:** DO NOT induce vomiting. Immediate medical attention is required. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

**Advice to physician:** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Flammable Properties:

**Flash point:** -4°F (-20°C)

**Flash point method:** Closed cup

**Autoignition temperature:** 869°F (465°C)

**Upper flame limit (volume % in air):** 13

**Lower flame limit (volume % in air):** 2.5

**Flame propagation rate (solids):** not applicable

**OSHA FLAMMABILITY CLASS:** Class 1B Flammable Liquid

**Suitable Fire Extinguishing Media:** Use alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>) or dry chemical.

### Explosion Hazards in Presence of Various Substances:

Highly flammable. Vapors may form explosive mixtures with air. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back.

Hazardous combustion products may include carbon monoxide, carbon dioxide (CO<sub>2</sub>).

**Special Fire Fighting Precautions/Instructions:** Water may be ineffective. Fire-fighters should wear self-contained, NIOSH-approved breathing apparatus and full protective clothing. Fire or intense heat may cause violent rupture of packages. In the event of fire, cool tanks with water spray. Do not use a solid water stream as it may scatter and spread fire. After fire, flush area with water to prevent re-ignition. Do not allow run-off from firefighting to enter drains or water courses.

**NFPA Ratings:** Health: 1 Fire: 3 Reactivity: 0

Hazard Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe

# Safety Data Sheet

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## 6. ACCIDENTAL RELEASE MEASURES

### **In case of spill or other release:**

**Containment Procedures:** Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Stop flow of material, if this is without risk.

**Cleanup Procedures:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal. Do not use sparking tools. Do not allow product to enter sewer or waterways.

**Evacuation Procedures:** Keep unnecessary people away. Isolate area.

**Special Procedures:** Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation.

**Spills and releases may have to be reported to Federal and/or local authorities. See Section 15 regarding reporting requirements.**

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## 7. HANDLING AND STORAGE

**Handling:** (Always wear recommended personal protective equipment.)

Ensure all equipment is electrically grounded before beginning transfer operations. Ensure adequate ventilation. Do not allow product to contact skin, eyes and clothing. Do not breathe vapors. Keep away from fire, sparks and heated surfaces. Keep container tightly closed in a dry and well-ventilated place.

**Storage:** Keep in a well-ventilated place. Empty containers may retain product residue including Flammable or Explosive vapors. Do not cut, drill, grind, or weld near full, partially full, or empty product containers. Keep away from heat and sources of ignition. Store away from incompatible substances. Re-open used containers with caution. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in area designed for storage of flammable liquids.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering controls:** Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product. Use product only in closed system. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Local exhaust ventilation is preferred.

### **Personal Protective Equipment**

**Skin protection:** Wear impervious gloves and flame retardant antistatic protective clothing. Gloves must be inspected prior to use. For leak, spills, or other emergency, use full protective equipment.

**Eye protection:** For handling in closed ventilation system, wear safety glasses with side-shields. For leak, spill or other emergency, use chemical goggles and face-shield. Remove contact lenses.

**Respiratory protection:** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Additional recommendations:** Provide eyewash stations and quick-drench shower facilities.

# Safety Data Sheet

## Exposure Guidelines

### Acetone (67-64-1)

ACGIH:	500 ppm TWA 750 ppm STEL
OSHA (Final):	1000 ppm TWA; 2400 mg/m <sup>3</sup> TWA
OSHA (Vacated):	750 ppm TWA; 1800 mg/m <sup>3</sup> TWA 1000 ppm STEL; 2400 mg/m <sup>3</sup> STEL (The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors)
NIOSH:	250 ppm TWA; 590 mg/m <sup>3</sup> TWA

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear, colorless liquid
<b>Physical State:</b>	Liquid
<b>Molecular Weight:</b>	58.05
<b>Chemical Formula:</b>	C <sub>3</sub> H <sub>6</sub> O
<b>Odor:</b>	Sweet mint-like odor detectable at 20 ppm
<b>Specific Gravity (water = 1.0):</b>	0.79
<b>Solubility in Water (weight%):</b>	Complete
<b>pH Value:</b>	Not applicable
<b>Boiling Point:</b>	133°F (56°C)
<b>Melting Point:</b>	-138.6°F (-94.8°C)
<b>Vapour Pressure:</b>	180 mm Hg at 68°F (20°C)
<b>Vapour Density (air = 1.0):</b>	2.0
<b>Evaporation Rate:</b>	12 (Butyl Acetate = 1)
<b>% Volatiles:</b>	100
<b>Flash Point:</b>	-4°F (-20°C)

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## 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions.

**Conditions to avoid:** Heat, flames and sparks. Incompatible products

**Materials to avoid:** Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

**Hazardous decomposition products:** Hazardous decomposition products include carbon monoxide and carbon dioxide (CO<sub>2</sub>).

**Hazardous polymerization:** Under normal conditions hazardous polymerization will not occur.

# Safety Data Sheet

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## 11. TOXICOLOGICAL INFORMATION

Component Analysis - LD50/LC50

### Acetone (67-64-1)

Rat: LD50 – Route: Inhalation; Dose: 76 mg/L/4H LD50 – Route: Oral; Dose: 1800 mg/kg

Rabbit: LD50 – Route: Dermal; Dose: 20000 mg/kg

**Immediate (acute) effects:** The product causes irritation of eyes, skin and mucous membranes. Repeated exposure may cause skin dryness or cracking. Harmful by inhalation. Harmful: may cause lung damage if swallowed. Causes headache, drowsiness or other effects to the central nervous system.

**Delayed (subchronic and chronic) effects:** Repeated or prolonged exposure may cause damage to the liver and kidney.

8-Week Inhalation Toxicity Study (rat): 19,000 ppm acetone 5days/week for 8 weeks produced no signs of toxicity other than slightly reduced weight gain compared to controls.

90-Day Oral Toxicity Study (rat): The no-observed effect level is 100 mg/kg/day and the low-observed effect level is 500 mg/kg/day based on increased liver and kidney weights and nephrotoxicity.

**Other data:** This material is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

Ames Assay (S. typhimurium): Negative

Chromosome Aberrations and Sister Chromatid Exchange Assays: Negative

Point Mutation in Mouse Lymphoma Cells: Negative

DNA Cell-binding Assay: Negative

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## 12. ECOLOGICAL INFORMATION

Prevent from entering sewer or waterway. This material is not expected to be harmful to aquatic life. Component

### Analysis - Ecotoxicity - Aquatic Toxicity

#### Acetone (67-64-1)

Test & Species		Conditions
96 Hr LC50 rainbow trout	5540 mg/L	static
96 Hr LC50 fathead minnow	6210 mg/L	flow-through
96 Hr LC50 bluegill	8300 mg/L	static
48 Hr LC50 water flea	0.0039 mg/L	
48 Hr EC50 water flea	12700 mg/L	Static

Accumulation in terrestrial organisms is unlikely. Bioaccumulation is unlikely.

# Safety Data Sheet

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## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:** Waste Code: U002. This product is a D001 ignitable waste in supplied form. Dispose of as special waste in compliance with local and national regulations. Waste codes should be assigned by the user based on the application for which the product was used. Incineration of waste material in an EPA-approved facility is recommended, allowing a solid, inert residue to form.

**Other Disposal Considerations:** Observe all Federal, State, and Local Environmental regulations.

The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

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## 14. TRANSPORT INFORMATION

**US DOT Proper Shipping Name:** Acetone

**US DOT Hazard Class:** 3

**Packing Group:** II

**US DOT ID Number:** UN1090

**TDG Proper Shipping Name:** Acetone

**TDG Hazard Class:** 3

**Packing Group:** II

**TDG ID Number:** UN1090



**Class Label:**

**North American Emergency Response Guide (ERG) Number:** 127

For additional information on shipping regulations affecting this material, contact the information number found in Section 1.

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## 15. REGULATORY INFORMATION

**Toxic Substances Control Act (TSCA)**

**TSCA Inventory Status:** All components are on the U.S. EPA TSCA Inventory List.

**Other TSCA Issues:** TSCA 4(a) Final Test Rules & Testing Consent Orders.

**TSCA 8(a) Inventory Update Rule.** (1998 EPA form U Instructions, App. A)

**SARA Title III/CERCLA :** “Reportable Quantities” (RQs) and/or “Threshold Planning Quantities” (TPQs) exist for the following ingredients.

<b>Ingredient Name</b>	<b>SARA/CERCLA RQ (lb)</b>	<b>SARA EHS TPQ (lb)</b>
Acetone	5000	None

**Spills or releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee.**



# Safety Data Sheet

**Section 311 Hazard Class:** Immediate. Fire.

**Section 313 Toxic Chemicals:** The following ingredients are SARA 313 "Toxic Chemicals". CAS numbers and weight percents are found in Section 2.

<b>Ingredient Name</b>	<b>Comment</b>
No ingredients listed in this section.	

## State Right-To-Know

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

<b>Ingredient Name</b>	<b>Weight</b>	<b>Comment</b>
Acetone (67-64-1)	100	CA, MA, MN, NJ, PA, RI

## Additional Regulatory Information:

Acetone is a DEA Listed Precursor and Essential Chemical (List II) subject to certain import, export recordkeeping and reporting requirements. 21 CFR 1310.04 (f),-(g).

Acetone is a Volatile organic compound (VOC) with negligible photochemical reactivity and thus excluded from the definition of volatile organic compounds for the purposes of preparing State implementation plans to attain the national ambient air quality standards for ozone under title I of the Clean Air Act. 40 CFR 51.100(s).

## WHMIS Classification (Canada):

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by CPR.

## WHMIS Classification:

B2- Flammable Liquid

D2B- Toxic Material

## Foreign Inventory Status:

Component Analysis - Inventory

<b>Component</b>	<b>CAS #</b>	<b>TSCA</b>	<b>CAN</b>	<b>EEC</b>	<b>AUST</b>	<b>PHIL</b>	<b>MITI</b>	<b>KOREA</b>	<b>CHINA</b>
Acetone	67-64-1	Yes	DSL	EINECS	Yes	Yes	Yes	Yes	Yes

## 16. OTHER INFORMATION

### Hazardous Material Information System (HMIS):

<b>Scale 0-4</b>		<b>NFPA</b>	<b>HMIS</b>
<b>4=Severe Hazard</b>	<b>Health</b>	<b>1</b>	<b>2</b>
<b>3=Serious Hazard</b>	<b>Flammability</b>	<b>3</b>	<b>3</b>
<b>2=Moderate Hazard</b>	<b>Reactivity</b>	<b>0</b>	<b>0</b>
<b>1=Slight Hazard</b>			
<b>0=Minimal Hazard</b>			

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