



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Revision Date 19-Nov-2024

Version 1

## 1. Identification

### Product identifier

**Product Name** 5J-1 GASKET SHELLAC 2 FL.OZ

### Other means of identification

**Product Code** 20539

**UN number or ID number** UN1866

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Sealant

**Restrictions on use** No information available

### Details of the supplier of the safety data sheet

#### Manufacturer Address

ITW Permatex, Inc.  
6875 Parkland Blvd.  
Solon, Ohio 44139 USA  
Telephone: 1-87-Permatex  
(866) 732-9502

#### May Also Be Distributed by:

ITW Permatex Canada  
101-2360 Bristol Circle  
Oakville, ON Canada L6H 6M5  
Telephone: (800) 924-6994

**E-mail address** mail@permatex.com

### Emergency telephone number

**Company Phone Number** 866-732-9502

**24 Hour Emergency Phone Number** Chem-Tel: 800-255-3924  
International Emergency:  
00+1+ 813-248-0585  
Contract Number: MIS0003453

**24-hour emergency phone number** No information available

## 2. Hazard(s) identification

### Classification

Flammable liquids	Category 3
Skin sensitization	Category 1
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 1

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**Label elements****Contains ROSIN; METHANOL; METHYL ISOBUTYL KETONE****Danger****Hazard statements**

Flammable liquid and vapor.  
May cause an allergic skin reaction.  
Suspected of causing cancer.  
Causes damage to organs.

**Precautionary Statements - Prevention**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Use personal protective equipment as required.  
Contaminated work clothing must not be allowed out of the workplace.  
Do not breathe dust.  
Wash face, hands and any exposed skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed.  
Ground and bond container and receiving equipment.  
Use only non-sparking tools.  
Take action to prevent static discharges.  
Use explosion-proof electrical, ventilating and lighting equipment.

**Precautionary Statements - Response**

IF exposed: Call a POISON CENTER or doctor.

**Skin**

If skin irritation or rash occurs: Get medical advice and attention.  
Wash contaminated clothing before reuse.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water and then shower.

**Fire**

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

**Precautionary Statements - Storage**

Store locked up.  
Store in a well-ventilated place. Keep cool.

**Precautionary Statements - Disposal**

Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

3.93 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.  
28.35 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.  
97.74 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).  
93.75 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).  
72.03 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

**Other Information**

May be harmful if swallowed. May be harmful in contact with skin. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

**3. Composition/information on ingredients**

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**Substance**

Not applicable.

**Mixture**

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
ROSIN	8050-09-7	45-70%	-	-
ETHANOL	64-17-5	10-30%	-	-
2-PROPANOL	67-63-0	1-5%	-	-
METHANOL	67-56-1	0.5-1.5%	-	-
METHYL ISOBUTYL KETONE	108-10-1	0.1-1%	-	-

**4. First-aid measures****Description of first aid measures**

<b>General advice</b>	Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.
<b>Inhalation</b>	Remove to fresh air. IF exposed or concerned: Get medical advice/attention.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. If symptoms persist, call a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician.
<b>Self-protection of the first aider</b>	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	Itching. Rashes. Hives.
<b>Effects of Exposure</b>	Causes damage to organs.

**Indication of any immediate medical attention and special treatment needed**

<b>Note to physicians</b>	May cause sensitization in susceptible persons. Treat symptomatically.
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**5. Fire-fighting measures**

<b>Suitable Extinguishing Media</b>	Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam.
<b>Small Fire</b>	In case of fire, use water spray, foam, dry chemical, or CO <sub>2</sub> .
<b>Large Fire</b>	In case of fire, use water spray, foam, dry chemical, or CO <sub>2</sub> .

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<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.
<b>Specific hazards arising from the chemical</b>	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitizer. May cause sensitization by skin contact.
<b>Hazardous combustion products</b>	No information available.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	None.
<b>Sensitivity to static discharge</b>	Yes.
<b>Special protective equipment and precautions for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.
<b>Other information</b>	Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

### Methods and material for containment and cleaning up

<b>Methods for containment</b>	Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
<b>Methods for cleaning up</b>	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.
<b>Prevention of secondary hazards</b>	Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. Handling and storage

### Precautions for safe handling

<b>Advice on safe handling</b>	Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.
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### Conditions for safe storage, including any incompatibilities

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**Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up.

**8. Exposure controls/personal protection****Control Parameters****Exposure Limits**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
ROSIN 8050-09-7	TWA: 0.001 mg/m <sup>3</sup> total resin acids inhalable particulate matter DS RS	(vacated) TWA: 0.1 mg/m <sup>3</sup> Formaldehyde	TWA: 0.1 mg/m <sup>3</sup> ; Formaldehyde
ETHANOL 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 1000 ppm; TWA: 1900 mg/m <sup>3</sup> ; IDLH: 3300 ppm
2-PROPANOL 67-63-0	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	TWA: 400 ppm; TWA: 980 mg/m <sup>3</sup> ; STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup> IDLH: 2000 ppm
METHANOL 67-56-1	TWA: 200 ppm STEL: 250 ppm pSk	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m <sup>3</sup> (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m <sup>3</sup> Sdv	TWA: 200 ppm; TWA: 260 mg/m <sup>3</sup> ; STEL: 250 ppm STEL: 325 mg/m <sup>3</sup> IDLH: 6000 ppm
METHYL ISOBUTYL KETONE 108-10-1	TWA: 20 ppm STEL: 75 ppm	TWA: 100 ppm TWA: 410 mg/m <sup>3</sup> (vacated) TWA: 50 ppm (vacated) TWA: 205 mg/m <sup>3</sup> (vacated) STEL: 75 ppm (vacated) STEL: 300 mg/m <sup>3</sup>	TWA: 50 ppm; TWA: 205 mg/m <sup>3</sup> ; STEL: 75 ppm STEL: 300 mg/m <sup>3</sup> IDLH: 500 ppm

Chemical name	Alberta	British Columbia	Ontario	Quebec
ROSIN 8050-09-7	-	TWA: 0.001 mg/m <sup>3</sup> ; inhalable DS RS	: ;	TWAEV: 0.001 mg/m <sup>3</sup> ; inhalable aerosol fraction : ;
ETHANOL 64-17-5	TWA: 1000 ppm; TWA: 1880 mg/m <sup>3</sup> ;	STEL: 1000 ppm;	STEL: 1000 ppm;	STEV: 1000 ppm;
2-PROPANOL 67-63-0	TWA: 200 ppm; TWA: 492 mg/m <sup>3</sup> ; STEL: 400 ppm; STEL: 984 mg/m <sup>3</sup> ;	TWA: 200 ppm; STEL: 400 ppm;	TWA: 200 ppm; STEL: 400 ppm;	TWAEV: 200 ppm; STEV: 400 ppm;
METHANOL 67-56-1	TWA: 200 ppm; TWA: 262 mg/m <sup>3</sup> ; STEL: 250 ppm; STEL: 328 mg/m <sup>3</sup> ; pSk	TWA: 200 ppm; STEL: 250 ppm; Sk	TWA: 200 ppm; STEL: 250 ppm; dSk	TWAEV: 200 ppm; TWAEV: 262 mg/m <sup>3</sup> ; STEV: 250 ppm; STEV: 328 mg/m <sup>3</sup> ; Sd
METHYL ISOBUTYL KETONE	TWA: 50 ppm;	TWA: 20 ppm;	TWA: 20 ppm;	TWAEV: 20 ppm;

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108-10-1	TWA: 205 mg/m <sup>3</sup> ; STEL: 75 ppm; STEL: 307 mg/m <sup>3</sup> ;	STEL: 75 ppm;	STEL: 75 ppm;	STEV: 75 ppm;
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Chemical name	Manitoba	New Brunswick	Newfoundland and Labrador	Nova Scotia
ROSIN	TWA: 0.001 mg/m <sup>3</sup> ; inhalable particulate matter DS RS		TWA: 0.001 mg/m <sup>3</sup> ; inhalable particulate matter DS RS	TWA: 0.001 mg/m <sup>3</sup> ; inhalable particulate matter DS RS
ETHANOL	STEL: 1000 ppm;	STEL: 1000 ppm;	STEL: 1000 ppm;	STEL: 1000 ppm;
2-PROPANOL	TWA: 200 ppm; STEL: 400 ppm;	TWA: 200 ppm; STEL: 400 ppm;	TWA: 200 ppm; STEL: 400 ppm;	TWA: 200 ppm; STEL: 400 ppm;
METHANOL	TWA: 200 ppm; STEL: 250 ppm; pSk	TWA: 200 ppm; STEL: 250 ppm; pSk	TWA: 200 ppm; STEL: 250 ppm; pSk	TWA: 200 ppm; STEL: 250 ppm; pSk
METHYL ISOBUTYL KETONE	TWA: 20 ppm; STEL: 75 ppm;	TWA: 20 ppm; STEL: 75 ppm;	TWA: 20 ppm; STEL: 75 ppm;	TWA: 20 ppm; STEL: 75 ppm;

Chemical name	Nunavut	Prince Edward Island	Saskatchewan	Yukon
ROSIN		TWA: 0.001 mg/m <sup>3</sup> ; inhalable particulate matter		
ETHANOL	TWA: 1000 ppm; STEL: 1250 ppm;	STEL: 1000 ppm;	TWA: 1000 ppm; STEL: 1250 ppm;	TWA: 1000 ppm; TWA: 1900 mg/m <sup>3</sup> ; STEL: 1000 ppm; STEL: 1900 mg/m <sup>3</sup> ;
2-PROPANOL	TWA: 200 ppm; STEL: 400 ppm;	TWA: 200 ppm; STEL: 400 ppm;	TWA: 200 ppm; STEL: 400 ppm;	TWA: 400 ppm; TWA: 980 mg/m <sup>3</sup> ; STEL: 500 ppm; STEL: 1225 mg/m <sup>3</sup> ; Sk
METHANOL	TWA: 200 ppm; STEL: 250 ppm; Sk	TWA: 200 ppm; STEL: 250 ppm;	TWA: 200 ppm; STEL: 250 ppm; pSd	TWA: 200 ppm; TWA: 260 mg/m <sup>3</sup> ; STEL: 250 ppm; STEL: 310 mg/m <sup>3</sup> ; Sk
METHYL ISOBUTYL KETONE	TWA: 50 ppm; STEL: 75 ppm;	TWA: 20 ppm; STEL: 75 ppm;	TWA: 50 ppm; STEL: 75 ppm;	TWA: 100 ppm; TWA: 410 mg/m <sup>3</sup> ; STEL: 125 ppm; STEL: 510 mg/m <sup>3</sup> ; Sk

### Biological occupational exposure limits

Chemical name	ACGIH
2-PROPANOL 67-63-0	40 mg/L - urine (Acetone) - end of shift at end of workweek
METHANOL 67-56-1	15 mg/L - urine (Methanol) - end of shift
METHYL ISOBUTYL KETONE 108-10-1	1 mg/L - urine (MIBK) - end of shift

**Appropriate engineering controls**

**Engineering controls**                      Showers  
 Eyewash stations  
 Ventilation systems.

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

**Eye/face protection**                      Tight sealing safety goggles.

**Hand protection**                              Wear suitable gloves. Impervious gloves.

**Skin and body protection**                      Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.  
 Antistatic boots.

**Respiratory protection**                      Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations**                      Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

**9. Physical and chemical properties****Information on basic physical and chemical properties**

**Physical state**                                      Liquid  
**Appearance**                                      No information available  
**Color**    Brown  
**Odor**    No information available  
**Odor threshold**                                      No information available

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	No data available	
<b>Melting point / freezing point</b>	No data available	
<b>Boiling point / boiling range</b>	82 °C / 179.6 °F	
<b>Flash point</b>	25 °C / 77 °F	
<b>Evaporation rate</b>	Not applicable	
<b>Flammability (solid, gas)</b>	No data available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	12.7%	
<b>Lower flammability limit:</b>	2.3%	
<b>Vapor pressure</b>	33 mmHg	
<b>Vapor density</b>	>1	Air = 1
<b>Relative density</b>	1.02	
<b>Water solubility</b>	Negligible	
<b>Solubility(ies)</b>	No data available	
<b>Partition coefficient</b>	No data available	
<b>Autoignition temperature</b>	No data available	
<b>Decomposition temperature</b>	No data available	
<b>Kinematic viscosity</b>	No data available	
<b>Dynamic viscosity</b>	No data available	
<b>Particle characteristics</b>		
<b>Particle Size</b>	No data available	
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**Particle Size Distribution** No data available

**Other information**

**Explosive properties** No information available  
**Oxidizing properties** No information available  
**Softening point** No information available  
**Molecular weight** No information available  
**VOC content** 29%  
**Density** No information available  
**Bulk density** No information available

## 10. Stability and reactivity

**Reactivity** No information available.  
**Chemical stability** Stable under normal conditions.  
**Possibility of hazardous reactions** None under normal processing.  
**Hazardous polymerization** No information available.  
**Conditions to avoid** Heat, flames and sparks.  
**Incompatible materials** None known based on information supplied.  
**Hazardous decomposition products** Carbon oxides. Aldehydes. Carboxylic acids.

## 11. Toxicological information

### Information on likely routes of exposure

#### Product Information

**Inhalation** Specific test data for the substance or mixture is not available.  
**Eye contact** Specific test data for the substance or mixture is not available.  
**Skin contact** May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). May be harmful in contact with skin.  
**Ingestion** Specific test data for the substance or mixture is not available.

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Itching. Rashes. Hives.

### Acute toxicity

#### Numerical measures of toxicity

#### The following ATE values have been calculated for the mixture

**ATEmix (oral)** 3,921.70 mg/kg  
**ATEmix (dermal)** 2,336.10 mg/kg  
**ATEmix (inhalation-gas)** 99,999.00 ppm  
**ATEmix (inhalation-vapor)** 51.8081 mg/L  
**ATEmix (inhalation-dust/mist)** 10.00 mg/L

3.93 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

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28.35 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 97.74 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 93.75 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 72.03 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
ROSIN 8050-09-7	= 7600 mg/kg ( Rat ) = 3000 mg/kg ( Rat )	> 2500 mg/kg ( Rabbit )	= 1.5 mg/L ( Rat ) 4 h
ETHANOL 64-17-5	= 7060 mg/kg ( Rat )	-	= 116.9 mg/L ( Rat ) 4 h = 133.8 mg/L ( Rat ) 4 h
2-PROPANOL 67-63-0	5050 mg/kg	12800 mg/kg	> 10000 ppm ( Rat ) 6 h
METHANOL 67-56-1	= 6200 mg/kg ( Rat )	= 15840 mg/kg ( Rabbit )	= 22500 ppm ( Rat ) 8 h
METHYL ISOBUTYL KETONE 108-10-1	= 2080 mg/kg ( Rat )	= 3000 mg/kg ( Rabbit )	2000 - 4000 ppm ( Rat ) 4 h

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** Contains a known or suspected carcinogen. Classification based on data available for ingredients. Suspected of causing cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
ETHANOL 64-17-5	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans	Group 1 - Carcinogenic to humans	Known Human Carcinogen	Present
2-PROPANOL 67-63-0	A4 - Not Classifiable as a Human Carcinogen	-	-	-
METHYL ISOBUTYL KETONE 108-10-1	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans	Group 2B - Possibly carcinogenic to humans	-	Present

**Legend****ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to humans

Group 2B - Possibly carcinogenic to humans

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**Occupational Safety and Health Administration of the US Department of Labor**

X - Present

**Reproductive toxicity** No information available.

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**STOT - single exposure** Causes damage to organs.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
ROSIN 8050-09-7	EC50: =400mg/L (72h, <i>Desmodesmus subspicatus</i> )	-	-	EC50: 3.8 - 5.4mg/L (48h, <i>Daphnia magna</i> )
ETHANOL 64-17-5	-	LC50: 12.0 - 16.0mL/L (96h, <i>Oncorhynchus mykiss</i> ) LC50: >100mg/L (96h, <i>Pimephales promelas</i> ) LC50: 13400 - 15100mg/L (96h, <i>Pimephales promelas</i> )	-	LC50: 9268 - 14221mg/L (48h, <i>Daphnia magna</i> ) EC50: =2mg/L (48h, <i>Daphnia magna</i> )
2-PROPANOL 67-63-0	EC50: >1000mg/L (96h, <i>Desmodesmus subspicatus</i> ) EC50: >1000mg/L (72h, <i>Desmodesmus subspicatus</i> )	LC50: =9640mg/L (96h, <i>Pimephales promelas</i> ) LC50: =11130mg/L (96h, <i>Pimephales promelas</i> ) LC50: >1400000µg/L (96h, <i>Lepomis macrochirus</i> )	-	EC50: =13299mg/L (48h, <i>Daphnia magna</i> )
METHANOL 67-56-1	-	LC50: =28200mg/L (96h, <i>Pimephales promelas</i> ) LC50: >100mg/L (96h, <i>Pimephales promelas</i> ) LC50: 19500 - 20700mg/L (96h, <i>Oncorhynchus mykiss</i> ) LC50: 18 - 20mL/L (96h, <i>Oncorhynchus mykiss</i> ) LC50: 13500 - 17600mg/L (96h, <i>Lepomis macrochirus</i> )	-	-
METHYL ISOBUTYL KETONE 108-10-1	EC50: =400mg/L (96h, <i>Pseudokirchneriella subcapitata</i> )	LC50: 496 - 514mg/L (96h, <i>Pimephales promelas</i> )	-	EC50: =170mg/L (48h, <i>Daphnia magna</i> )

**Persistence and degradability** No information available.

### Bioaccumulative potential

### Component Information

Chemical name	Partition coefficient
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ROSIN 8050-09-7	7.7
ETHANOL 64-17-5	-0.35
2-PROPANOL 67-63-0	0.05
METHANOL 67-56-1	-0.77
METHYL ISOBUTYL KETONE 108-10-1	1.9

**Other adverse effects** No information available.

**13. Disposal considerations**

**Waste treatment methods**

**Waste from residues/unused products** Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

**US EPA Waste Number** Waste designations and classifications should be determined by the end user based on the application for which the product was used.

**14. Transport information**

**DOT**

**UN number or ID number** UN1866  
**Proper shipping name** Resin solution  
**Transport hazard class(es)** 3  
**Packing group** III  
**DOT Marine Pollutant** I  
**Marine pollutant** ROSIN.  
**Description** UN1866, Resin solution, 3, III, Marine pollutant, Limited Quantity  
**Special Provisions** B1, B52, IB3, T2, TP1  
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**TDG**

**UN number or ID number** UN1866  
**UN proper shipping name** Resin solution  
**Transport hazard class(es)** 3  
**Packing group** III  
**Marine pollutant name** ROSIN  
**Description** UN1866, Resin solution, 3, III

**MEX**

**UN number or ID number** UN1866  
**UN proper shipping name** Resin solution  
**Transport hazard class(es)** 3  
**Packing group** III  
**Description** UN1866, Resin solution, 3, III, Limited Quantity  
**Special Provisions** 223

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**ICAO (air)**

UN number or ID number	UN1866
UN proper shipping name	Resin solution
Transport hazard class(es)	3
Packing group	III
Description	UN1866, Resin solution, 3, III, Limited Quantity
Special Provisions	A3

**IATA**

UN number or ID number	UN1866
UN proper shipping name	Resin solution
Transport hazard class(es)	3
Packing group	III
ERG Code	3L
Special Provisions	A3
Description	UN1866, Resin solution, 3, III, Limited Quantity

**IMDG**

UN number or ID number	UN1866
UN proper shipping name	Resin solution
Transport hazard class(es)	3
Packing group	III
EmS-No.	F-E, S-E
Special Provisions	223, 955
Description	UN1866, Resin solution, 3, III, (25°C c.c.), Marine pollutant, Limited Quantity

**15. Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture****International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

**International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Not determined
IECSC	Complies
KECI	Complies
PICCS	Complies
AICS	Complies
NZIoC	Not Determined

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing Chemicals Inventory

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

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**AICS** - Australian Inventory of Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %
2-PROPANOL - 67-63-0	1.0
METHANOL - 67-56-1	1.0
METHYL ISOBUTYL KETONE - 108-10-1	0.1

#### **SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
METHANOL 67-56-1	5000 lb / kg (final RQ)	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
METHYL ISOBUTYL KETONE 108-10-1	5000 lb / kg (final RQ)	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

### US State Regulations

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical name	California Proposition 65
ETHANOL - 64-17-5	*Developmental (in alcoholic beverages)
METHANOL - 67-56-1	Developmental
METHYL ISOBUTYL KETONE - 108-10-1	Carcinogen Developmental

\*Ethanol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage

### U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
ROSIN 8050-09-7	-	-	X
ETHANOL 64-17-5	X	X	X
2-PROPANOL 67-63-0	X	X	X
WATER 7732-18-5	-	-	X
METHANOL 67-56-1	X	X	X
METHYL ISOBUTYL KETONE 108-10-1	X	X	X

### U.S. EPA Label Information

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EPA Pesticide Registration Number Not applicable

**16. Other information**

<b>NFPA</b>	<b>Health hazards</b> 3	<b>Flammability</b> 3	<b>Instability</b> 0	<b>Special hazards</b> -
<b>HMIS</b>	<b>Health hazards</b> 4 *	<b>Flammability</b> 3	<b>Physical hazards</b> 0	<b>Personal protection</b> X

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend**

SVHC: Substances of Very High Concern for Authorization:  
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances  
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances  
STOT: Specific Target Organ Toxicity  
ATE: Acute Toxicity Estimate  
LC50: 50% Lethal Concentration  
LD50: 50% Lethal Dose

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitizers		

**Key literature references and sources for data used to compile the SDS**

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
U.S. Environmental Protection Agency  
Acute Exposure Guideline Level(s) (AEGl(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan National Institute of Technology and Evaluation (NITE)  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
U.S. National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications  
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program  
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set  
United Nations World Health Organization (WHO)

**Revision Date** 19-Nov-2024

**Revision Note** No information available.

**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**