# 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** 20-Jul-2026 **Version** 2

## 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 |

Emergency Response Guide Number 128

**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**
Avoid breathing dust, fume, gas, mist, vapors and spray.
Contaminated work clothing must not be allowed out of the workplace.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash face, hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Do not breathe dust, fume, gas, mist, vapors and spray.
Keep container tightly closed.
Use explosion-proof electrical, ventilating and lighting equipment.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Ground and bond container and receiving equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.
**Precautionary Statements - Response**
Specific treatment (see supplemental first aid instructions on this label).
IF exposed or concerned: Get medical advice and attention.
IF exposed or concerned: Call a POISON CENTER or doctor.
**Skin**
If skin irritation or rash occurs: Get medical advice and attention.
Take off contaminated clothing and wash it before reuse.
IF ON SKIN: Wash with plenty of water and soap.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
**Fire**
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**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.

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

## 3. Composition/information on ingredients

**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**

**General advice** Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice and attention.

**Inhalation** Remove to fresh air. IF exposed or concerned: Get medical advice and attention.

**Eye contact** 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.

**Skin contact** 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.

**Ingestion** Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician.

**Self-protection of the first aider** 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**

**Symptoms** Itching. Rashes. Hives.

**Effects of Exposure** Causes damage to organs. Suspected of causing cancer.

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

**Note to physicians** May cause sensitization in susceptible persons. Treat symptomatically.

## 5. Fire-fighting measures

**Suitable Extinguishing Media** Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

**Small Fire** In case of fire, use water spray, foam, dry chemical, or CO2.
**Large Fire** In case of fire, use water spray, foam, dry chemical, or CO2.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical** 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.

**Hazardous combustion products** No information available.

**Explosion data**
**Sensitivity to mechanical impact** None.
**Sensitivity to static discharge** Yes.

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protective equipment.

## 6. Accidental release measures

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

**Personal precautions** 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.

**Other information** Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

**Methods and material for containment and cleaning up**

**Methods for containment** 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.

**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. Handling and storage

**Precautions for safe handling**

**Advice on safe handling** Use personal protective 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.

**Conditions for safe storage, including any incompatibilities**

**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<br>8050-09-7 | TWA: 0.001 mg/m³ total resin acids inhalable particulate matter<br>DS<br>RS | (vacated) TWA: 0.1 mg/m³<br>Formaldehyde | TWA: 0.1 mg/m³;<br>Formaldehyde |
| ETHANOL<br>64-17-5 | STEL: 1000 ppm | TWA: 1000 ppm<br>TWA: 1900 mg/m³<br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m³ | TWA: 1000 ppm;<br>TWA: 1900 mg/m³;<br>IDLH: 3300 ppm |
| 2-PROPANOL<br>67-63-0 | TWA: 200 ppm<br>STEL: 400 ppm | TWA: 400 ppm<br>TWA: 980 mg/m³<br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 980 mg/m³<br>(vacated) STEL: 500 ppm<br>(vacated) STEL: 1225 mg/m³ | TWA: 400 ppm;<br>TWA: 980 mg/m³;<br>STEL: 500 ppm<br>STEL: 1225 mg/m³<br>IDLH: 2000 ppm |
| METHANOL<br>67-56-1 | TWA: 200 ppm<br>STEL: 250 ppm<br>pSk | TWA: 200 ppm<br>TWA: 260 mg/m³<br>(vacated) TWA: 200 ppm<br>(vacated) TWA: 260 mg/m³<br>(vacated) STEL: 250 ppm<br>(vacated) STEL: 325 mg/m³<br>Sdv | TWA: 200 ppm;<br>TWA: 260 mg/m³;<br>STEL: 250 ppm<br>STEL: 325 mg/m³<br>IDLH: 6000 ppm |
| METHYL ISOBUTYL KETONE<br>108-10-1 | TWA: 20 ppm<br>STEL: 75 ppm | TWA: 100 ppm<br>TWA: 410 mg/m³<br>(vacated) TWA: 50 ppm<br>(vacated) TWA: 205 mg/m³<br>(vacated) STEL: 75 ppm<br>(vacated) STEL: 300 mg/m³ | TWA: 50 ppm;<br>TWA: 205 mg/m³;<br>STEL: 75 ppm<br>STEL: 300 mg/m³<br>IDLH: 500 ppm |

| Chemical name | Alberta | British Columbia | Ontario | Quebec |
|---|---|---|---|---|
| ROSIN<br>8050-09-7 | - | TWA: 0.001 mg/m³; inhalable<br>DS<br>RS | : ; | TWAEV: 0.001 mg/m³; inhalable aerosol fraction<br>: ; |
| ETHANOL<br>64-17-5 | TWA: 1000 ppm;<br>TWA: 1880 mg/m³; | STEL: 1000 ppm; | STEL: 1000 ppm; | STEV: 1000 ppm; |
| 2-PROPANOL<br>67-63-0 | TWA: 200 ppm;<br>TWA: 492 mg/m³;<br>STEL: 400 ppm;<br>STEL: 984 mg/m³; | TWA: 200 ppm;<br>STEL: 400 ppm; | TWA: 200 ppm;<br>STEL: 400 ppm; | TWAEV: 200 ppm;<br>STEV: 400 ppm; |
| METHANOL<br>67-56-1 | TWA: 200 ppm;<br>TWA: 262 mg/m³;<br>STEL: 250 ppm;<br>STEL: 328 mg/m³;<br>pSk | TWA: 200 ppm;<br>STEL: 250 ppm;<br>Sk | TWA: 200 ppm;<br>STEL: 250 ppm;<br>dSk | TWAEV: 200 ppm;<br>TWAEV: 262 mg/m³;<br>STEV: 250 ppm;<br>STEV: 328 mg/m³;<br>Sd |
| METHYL ISOBUTYL KETONE<br>108-10-1 | TWA: 50 ppm;<br>TWA: 205 mg/m³;<br>STEL: 75 ppm;<br>STEL: 307 mg/m³; | TWA: 20 ppm;<br>STEL: 75 ppm; | TWA: 20 ppm;<br>STEL: 75 ppm; | TWAEV: 20 ppm;<br>STEV: 75 ppm; |

| Chemical name | Manitoba | New Brunswick | Newfoundland and Labrador | Nova Scotia |
|---|---|---|---|---|
| ROSIN | TWA: 0.001 mg/m³; inhalable particulate matter<br>DS<br>RS | | TWA: 0.001 mg/m³; inhalable particulate matter<br>DS<br>RS | TWA: 0.001 mg/m³; inhalable particulate matter<br>DS<br>RS |
| ETHANOL | STEL: 1000 ppm; | STEL: 1000 ppm; | STEL: 1000 ppm; | STEL: 1000 ppm; |
| 2-PROPANOL | TWA: 200 ppm; | TWA: 200 ppm; | TWA: 200 ppm; | TWA: 200 ppm; |

| Chemical name | Manitoba | New Brunswick | Newfoundland and Labrador | Nova Scotia |
|---|---|---|---|---|
| | STEL: 400 ppm; | STEL: 400 ppm; | STEL: 400 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/m³; 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/m³; STEL: 1000 ppm; STEL: 1900 mg/m³; |
| 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/m³; STEL: 500 ppm; STEL: 1225 mg/m³; 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/m³; STEL: 250 ppm; STEL: 310 mg/m³; 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/m³; STEL: 125 ppm; STEL: 510 mg/m³; 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.

**Skin and body protection** Wear suitable protective clothing. Antistatic boots. Chemical resistant apron. Wear fire resistant or flame retardant clothing.

**Respiratory protection** Use appropriate respiratory protection. Consult with an industrial hygienist to determine the

appropriate respiratory protection for your specific use of this material.

**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 |

| **Property** | **Values** | **Remarks • Method** |
|---|---|---|
| **pH** | No data available | |
| **Melting point / freezing point** | No data available | |
| **Initial boiling point and boiling range** | 82 °C / 179.6 °F | |
| **Flash point** | 25 °C / 77 °F | |
| **Evaporation rate** | Not applicable | |
| **Flammability (solid, gas)** | No data available | |
| **Flammability Limit in Air** | | |
| **Upper flammability limit:** | 12.7% | |
| **Lower flammability limit:** | 2.3% | |
| **Vapor pressure** | 33 mmHg | |
| **Vapor density** | >1 | Air = 1 |
| **Relative density** | 1.02 | |
| **Water solubility** | Negligible | |
| **Solubility(ies)** | No data available | |
| **Partition coefficient** | No data available | |
| **Autoignition temperature** | No data available | |
| **Decomposition temperature** | No data available | |
| **Kinematic viscosity** | | |
| **Dynamic viscosity** | No data available | |
| **Particle characteristics** | | |
| **Particle Size** | No data available | |
| **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-vapor)** | 51.80 mg/L |
| **ATEmix (inhalation-dust/mist)** | 10.00 mg/L |

**Component Information**

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| ROSIN<br>8050-09-7 | = 7600 mg/kg ( Rat ) = 3000 mg/kg ( Rat ) | > 2500 mg/kg ( Rabbit ) | = 1.5 mg/L ( Rat ) 4 h |
| ETHANOL<br>64-17-5 | = 7060 mg/kg ( Rat ) | - | = 116.9 mg/L ( Rat ) 4 h<br>= 133.8 mg/L ( Rat ) 4 h |
| 2-PROPANOL<br>67-63-0 | 5050 mg/kg | 12800 mg/kg | > 10000 ppm ( Rat ) 6 h |
| METHANOL<br>67-56-1 | = 6200 mg/kg ( Rat ) | = 15840 mg/kg ( Rabbit ) | = 22500 ppm ( Rat ) 8 h |
| METHYL ISOBUTYL KETONE<br>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<br>64-17-5 | A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans | Group 1 - Carcinogenic to humans | Known Human Carcinogen | Present |
| 2-PROPANOL<br>67-63-0 | A4 - Not Classifiable as a Human Carcinogen | - | - | - |
| METHYL ISOBUTYL KETONE<br>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.

**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<br>8050-09-7 | EC50: =400mg/L (72h, Desmodesmus subspicatus) | - | - | EC50: 3.8 - 5.4mg/L (48h, Daphnia magna) |
| ETHANOL<br>64-17-5 | - | LC50: 12.0 - 16.0mL/L (96h, Oncorhynchus mykiss)<br>LC50: >100mg/L (96h, Pimephales promelas)<br>LC50: 13400 - 15100mg/L (96h, Pimephales promelas) | - | LC50: 9268 - 14221mg/L (48h, Daphnia magna)<br>EC50: =2mg/L (48h, Daphnia magna) |
| 2-PROPANOL<br>67-63-0 | EC50: >1000mg/L (96h, Desmodesmus subspicatus)<br>EC50: >1000mg/L (72h, Desmodesmus subspicatus) | LC50: =9640mg/L (96h, Pimephales promelas)<br>LC50: =11130mg/L (96h, Pimephales promelas)<br>LC50: >1400000µg/L (96h, Lepomis macrochirus) | - | EC50: =13299mg/L (48h, Daphnia magna) |

| | | | | |
|---|---|---|---|---|
| METHANOL<br>67-56-1 | - | LC50: =28200mg/L (96h, Pimephales promelas)<br>LC50: >100mg/L (96h, Pimephales promelas)<br>LC50: 19500 - 20700mg/L (96h, Oncorhynchus mykiss)<br>LC50: 18 - 20mL/L (96h, Oncorhynchus mykiss)<br>LC50: 13500 - 17600mg/L (96h, Lepomis macrochirus) | - | - |
| METHYL ISOBUTYL KETONE<br>108-10-1 | EC50: =400mg/L (96h, Pseudokirchneriella subcapitata) | LC50: 496 - 514mg/L (96h, Pimephales promelas) | - | EC50: =170mg/L (48h, Daphnia magna) |

**Persistence and degradability** No information available.

**Bioaccumulative potential**

**Component Information**

| Chemical name | Partition coefficient |
|---|---|
| ROSIN<br>8050-09-7 | 7.7 |
| ETHANOL<br>64-17-5 | -0.35 |
| 2-PROPANOL<br>67-63-0 | 0.05 |
| METHANOL<br>67-56-1 | -0.77 |
| METHYL ISOBUTYL KETONE<br>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 |
| **Emergency Response Guide Number** | 128 |

**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, Limited Quantity |

**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 |

**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
**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 does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**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<br>67-56-1 | 5000 lb /<br>kg (final RQ) | - | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |
| METHYL ISOBUTYL KETONE<br>108-10-1 | 5000 lb /<br>kg (final RQ) | - | RQ 5000 lb final RQ<br>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<br>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<br>8050-09-7 | - | - | X |
| ETHANOL<br>64-17-5 | X | X | X |
| 2-PROPANOL<br>67-63-0 | X | X | X |

| | | | |
|---|---|---|---|
| WATER<br>7732-18-5 | - | - | X |
| METHANOL<br>67-56-1 | X | X | X |
| METHYL ISOBUTYL KETONE<br>108-10-1 | X | X | X |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

## 16. Other information

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **NFPA** | **Health hazards** 3 | **Flammability** 3 | **Instability** 0 | **Special hazards** - |
| **HMIS** | **Health hazards** 4 * | **Flammability** 3 | **Physical hazards** 0 | **Personal protection** X |

***Chronic Hazard Star Legend*** ** = Chronic Health Hazard*

**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
U.S. EPA 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
U.S. Hazardous Substance Data Bank (HSDB)
International Uniform Chemical Information Database (IUCLID)
Japan National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
U.S. National Institute for Occupational Safety and Health (NIOSH)
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** 20-Jul-2026

**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.**