

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** Galbanum Resin  
**Robertet Product Code:** 00230240

**CAS No.** 8023-91-4

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

**Recommended use** Aromatic Ingredient (s). For Industrial Use Only.  
**Uses advised against** Do not ingest as such. Avoid eye contact.

**Details of the supplier of the safety data sheet**

Robertet, Inc.  
 400 International Drive  
 Mount Olive, NJ 07828 USA  
 TEL: 201-337-7100  
 E-mail: reginc@robertetusa.com

**Emergency telephone number**  
**Emergency Telephone Number**

Chemtrec 1-800-424-9300 (24 hrs)  
 Outside of the USA and Canada (703) 527-3887. Collect calls accepted

## 2. HAZARDS IDENTIFICATION

**OSHA Hazard Classification**

Acute toxicity - Oral	Category 4
Skin Corrosion/Irritation	Category 2
Skin Sensitization	Category 1B

**Label elements**

**Signal Word**  
**Warning**

**Hazard Statements**

Causes Skin Irritation  
 May cause an allergic skin reaction  
 Harmful if swallowed



**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid breathing dust/fume/gas/mist/vapors/spray

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Contaminated work clothing should not be allowed out of the workplace

#### Precautionary Statements - Response

Specific treatment (see supplemental first aid instructions on this label)  
IF ON SKIN: Wash with plenty of soap and water  
Take off contaminated clothing and wash before reuse  
If skin irritation or rash occurs: Get medical advice/attention  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do not induce vomiting

#### Alcohol Solubility:

Store locked up

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

None known

#### Other Information

Very toxic to aquatic life with long lasting effects  
Very toxic to aquatic life

#### Interactions with Other Chemicals

Classification not possible

#### Principle Routes of Exposure

No information available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%	GHS Classification
Pinene, beta	127-91-3	30% - 40%	Flam. Liq. 3 (H226) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Asp Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)
Pinene, alpha	80-56-8	5% - 10%	Flam. Liq. 3 (H226) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Asp Tox. 1 (H304) Skin Irrit. 2 (H315) Acute Tox. Oral 4 (H302) Skin Sens. 1B (H317)
Carene-3	13466-78-9	5% - 10%	Flam. Liq. 3 (H226) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Asp Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Acute Tox. Oral 5 (H303)
Ethanol	64-17-5	1.0% - 5.0%	Flam. Liq. 2 (H225) Eye Irrit. 2A (H319)
Beta Myrcene (Natural occurring Food Grade)	123-35-3	1.0% - 5.0%	Flam. Liq. 3 (H226) Aquatic Acute 1 (H400) Asp Tox. 1 (H304) Eye Irrit. 2A (H319) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411)
alpha-Phellandrene	99-83-2	1.0% - 5.0%	Flam. Liq. 3 (H226) Asp Tox. 1 (H304) Skin Irrit. 3 (H316)

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (r)	5989-27-5	1.0% - 5.0%	Flam. Liq. 3 (H226) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Asp Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)
cis-Beta-Ocimene	3338-55-4	0.1% - 1.0%	Flam. Liq. 3 (H226) Aquatic Acute 1 (H400) Asp Tox. 1 (H304) Skin Irrit. 2 (H315) Acute Tox. Oral 5 (H303) Aquatic Chronic 2 (H411)
Ocimene	13877-91-3	0.1% - 1.0%	Flam. Liq. 3 (H226) Aquatic Acute 1 (H400) Asp Tox. 1 (H304) Skin Irrit. 2 (H315) Acute Tox. Oral 5 (H303) Aquatic Chronic 2 (H411)
Undecatriene 1,3,5-	16356-11-9	0.1% - 1.0%	Flam. Liq. 4 (H227) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Asp Tox. 1 (H304) Skin Irrit. 2 (H315)
4-Isopropylidene-1-methylcyclohexene	586-62-9	0.1% - 1.0%	Flam. Liq. 4 (H227) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Asp Tox. 1 (H304) Skin Irrit. 3 (H316) Skin Sens. 1B (H317) Acute Tox. Oral 5 (H303)
Camphene	79-92-5	< 0.1%	Flam. Sol. 2 (H228) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Eye Irrit. 2B (H320)

## 4. FIRST AID MEASURES

### 4.1 First Aid Measures

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash skin with soap and water.
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water.

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

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### **Suitable Extinguishing Media**

Carbon dioxide (CO<sub>2</sub>). Water spray. Use: Dry chemical. alcohol-resistant foam.

### **Unsuitable Extinguishing Media**

Decomposition by contact with water may generate vapours which can be ignited by heat or open flame.

### **Specific Hazards Arising from the Chemical**

Thermal decomposition can lead to release of irritating gases and vapors.

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Use personal protective equipment. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

### Environmental Precautions

**Environmental Precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

### Methods and material for containment and cleaning up

**Methods for Clean-up** After cleaning, flush away traces with water. Avoid dust formation. Sweep up and shovel into suitable containers for disposal. Take precautionary measures against static discharges.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Use product only in closed system.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical name	OSHA PEL (TWA)	ACGIH TLV (TWA)	ACGIH TLV (STEL)	California PEL (TWA)
Pinene, beta 127-91-3	-	20 PPM	-	-
Pinene, alpha 80-56-8	-	20 PPM	-	-
Carene-3 13466-78-9	-	20 PPM	-	-
Ethanol 64-17-5	1900 MGM3, 1000 PPM	-	1000 PPM	1900 MGM3, 1000 PPM

### Appropriate engineering controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

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

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

**Skin and body protection** No special technical protective measures are necessary.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

**General Hygiene Considerations** When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical State:** Solid  
**Appearance:** Brown  
**Odor:** Characteristic  
**Odor Threshold:** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
<b>pH</b>	Not Determined	None known
<b>Melting Point / Melting Range</b>	Not Determined	None known
<b>Boiling Point / Boiling Range (°C)</b>	>35	None known
<b>Flash Point:</b>	100 °C / 212 °F	CC (closed cup)
<b>Evaporation rate</b>	Not Determined	None known
<b>Flammability (solid, gas)</b>	Not Determined	None known
<b>Vapor Pressure (mm Hg @ 20°C):</b>	Not Determined	None known
<b>Vapor Density</b>	Not Determined	None known
<b>Relative density</b>	Not Determined	None known
<b>Specific Gravity @ 20/20 °C:</b>	N/A	RTM-101
<b>Water Solubility:</b>	Not Determined	None known
<b>Solubility in other solvents</b>	Not Determined	None known
<b>Partition coefficient: n-octanol/water</b>	Not Determined	None known
<b>Autoignition Temperature</b>	Not Determined	None known
<b>Decomposition temperature</b>	Not Determined	None known
<b>Decomposition temperature</b>	Not Determined	None known
<b>Viscosity</b>	Not Determined	None known

**Explosive Properties** No information available  
**Oxidizing Properties** No information available

### Other information

## 10. STABILITY AND REACTIVITY

### Reactivity

No dangerous reaction known under conditions of normal use. Keep away from oxidizing agents and strongly acid or alkaline materials.

### Chemical Stability

Stable under normal conditions. Hazardous polymerisation does not occur.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Heating in air.

### Incompatible Materials

Strong oxidizing agents.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known information
<b>Inhalation</b>	No Data Available.
<b>Eye Contact</b>	No Data Available.
<b>Skin Contact</b>	No Data Available.
<b>Ingestion</b>	No Data Available.

Chemical name	ACGIH	IARC	NTP	OSHA
Ethanol 64-17-5	-	-	Listed	-

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

**Oral LD50** 1650 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**  
None known.

**Persistence/Degradability**  
No information available.

**Bioaccumulation/ Accumulation**  
No information available.

**Other adverse effects**  
No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

<b>Waste Disposal Method</b>	Dispose of in accordance with local regulations.
<b>Contaminated Packaging</b>	Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**IMDG/IMO**  
**UN/ID No** 3077

Robertet Product 00230240  
Code:

Product Name: Galbanum Resin

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Proper shipping name	Environmentally hazardous substance, solid, n.o.s (Pinene, beta AND Pinene, alpha)
Hazard Class	9
Packing Group	III
EmS No.	F-A, S-F

IATA/ICAO

UN-No	3077
Proper shipping name	Environmentally hazardous substance, solid, n.o.s (Pinene, beta AND Pinene, alpha)
Hazard Class	9
Packing Group	III

## 15. REGULATORY INFORMATION

### USA

#### 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

#### State Regulations

**California Proposition 65** This product does not contain any Proposition 65 chemicals

## 16. OTHER INFORMATION

#### Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

Preparation Date: 10-October-2019

**End of Safety Data Sheet**