

According to Regulation ST/SG/AC.10/30/UN GHS Latest Revision

Issuing Date 21-Sep-2020

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Revision Number 5

**1. Identification****Product identifier**

**Product Code** 00934443  
**Product Name** Tomato Natural  
**CAS No** N/A  
**EINECS/ELINCS** N/A

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

**Recommended use** Aromatic Ingredient(s). For Industrial Use Only.

**Supplier's details****Supplier**

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

**Emergency telephone number**

**Emergency Telephone** Chemtrec: +1 703 527 3887

**2. Hazard(s) identification****Classification of the substance or mixture**

Skin sensitization	Category 1B
Acute aquatic toxicity	Category 3
Chronic aquatic toxicity	Category 3
Flammable liquids	Category 4

**GHS Label elements, including precautionary statements**

**Signal word**  
Warning

**Hazard statements**

H317 - May cause an allergic skin reaction  
H412 - Harmful to aquatic life with long lasting effects

H227 - Combustible liquid

**Precautionary statements**

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P272 - Contaminated work clothing should not be allowed out of the workplace

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap

P321 - Specific treatment (see supplemental first aid instructions on this label)

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

P362 + P364 - Take off contaminated clothing and wash it before reuse

P501 - Dispose of contents/ container to an approved waste disposal plant

P273 - Avoid release to the environment

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or regular foam to extinguish

P403 - Store in a well-ventilated place

P501 - Dispose of contents/container to industrial incineration plant

**Other hazards which do not result in classification**

No information available.

**3. Composition/information on ingredients**

Chemical name	CAS No	Weight-%	GHS Classification
cis-3-Hexenol	928-96-1	1.0 - 5.0	Flam. Liq. 3 (H226) Eye Irrit. 2A (H319) Acute Tox. Oral 5 (H303)
Benzyl salicylate	118-58-1	1.0 - 5.0	Acute Tox. Oral 5 (H303) Eye Irrit. 2B (H320) Skin Sens. 1B (H317) Aquatic Acute 2 (H401) Aquatic Chronic 3 (H412)
Limonene	5989-27-5	0.1 - 1.0	Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)
Linalyl acetate	115-95-7	0.1 - 1.0	Flam. Liq. 4 (H227) Skin Irrit. 2 (H315) Eye Irrit. 2B (H320) Skin Sens. 1B (H317) Aquatic Acute 3 (H402)
Linalool	78-70-6	0.1 - 1.0	Flam. Liq. 4 (H227) Acute Tox. Oral 5 (H303) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Skin Sens. 1B (H317) Aquatic Acute 3 (H402)
Terpinolene	586-62-9	0.1 - 1.0	Skin Sens. 1B (H317) Skin Irrit. 3 (H316) Flam. Liq. 4 (H227) Asp. Tox. 1 (H304) Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400) Acute Tox. Oral 5 (H303)
beta-Caryophyllene	87-44-5	0.1 - 1.0	Skin Sens. 1B (H317) Asp. Tox. 1 (H304) Aquatic Chronic 4 (H413)
beta-Pinene	127-91-3	0.1 - 1.0	Flam. Liq. 3 (H226) Skin Irrit. 2 (H315)

			Skin Sens. 1B (H317) Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
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#### 4. First-aid measures

##### Description of necessary first aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Remove to fresh air.
<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. In the case of skin irritation or allergic reactions see a physician.
<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. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

##### For emergency responders

<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. Wear personal protective clothing (see section 8).
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##### Most important symptoms/effects, acute and delayed

<b>Symptoms</b>	Itching. Rashes. Hives.
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##### Indication of immediate medical attention and special treatment needed, if necessary

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

##### Suitable Extinguishing Media

<b>Suitable Extinguishing Media</b>	Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam.
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<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
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<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.
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##### Specific hazards arising from the chemical

<b>Specific hazards arising from the chemical</b>	Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Product is or contains a sensitizer. May cause sensitization by skin contact.
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##### Special protective actions for fire-fighters

<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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#### 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. Take precautionary measures against static discharges. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak.

**Environmental precautions**

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.

**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. Dike far ahead of liquid spill 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 protection equipment. Do not breathe vapor or mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use with local exhaust ventilation. 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 container tightly closed in a dry 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	ACGIH TLV	OSHA PEL	Ontario	European Union
beta-Pinene 127-91-3	dermal sensitizer TWA: 20 ppm	-	TWA: 20 ppm	-

**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.

**Skin and body protection** Wear suitable protective clothing.

**Hand protection** Wear suitable gloves.

<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	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

<b>Physical state</b>	Liquid
<b>Appearance</b>	Dark green
<b>Odor</b>	Characteristic
<b>Odor threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		No information available
Melting point / freezing point		No information available
Boiling point / boiling range	> 35 °C	No information available
Flash point	89 °C / 192 °F	CC (closed cup)
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Vapor Pressure (mm Hg @ 20°C):		No information available
Vapor density		No information available
Relative density		No information available
Specific Gravity @ 20/20 °C	0.9530-0.9730	RTM-101
Solubility(ies)		
Water solubility		No information available
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity		No information available

### Other information

<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available

## 10. Stability and reactivity

### Reactivity

<b>Reactivity</b>	No information available.
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### Chemical stability

<b>Stability</b>	Stable under normal conditions.
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### Explosion data

<b>Sensitivity to mechanical impact</b>	None
<b>Sensitivity to static discharge</b>	Yes.

### Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	None under normal processing.
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### Conditions to avoid

<b>Conditions to avoid</b>	Heat, flames and sparks.
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**Incompatible materials**

**Incompatible materials** None known based on information supplied.

**Hazardous decomposition products**

**Hazardous decomposition products** None known based on information supplied.

**11. Toxicological information****Information on the likely routes of exposure****Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	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).
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

**Symptoms** Itching. Rashes. Hives.

**Acute toxicity****Numerical measures of toxicity**

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

**ATEmix (oral)** > 5000 mg/kg

**Delayed and immediate effects and also chronic effects from short and long term exposure**

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	May cause sensitization by skin contact.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

**12. Ecological information****Toxicity**

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

**Persistence and degradability**

No information available.

**Bioaccumulative potential**

No information available.

**Mobility**

**Mobility in soil**

No information available.

**Mobility**

No information available.

**Other adverse effects**

No information available.

### 13. Disposal considerations

**Disposal methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

### 14. Transport information

**IATA/ICAO** Not regulated

**IMDG/IMO** Not regulated

### 15. Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Chemical Safety Assessment**

For this substance a chemical safety assessment has not been carried out

**Germany**

**Water hazard class (WGK)** obviously hazardous to water (WGK 2)

### 16. Other information

**Full text of H-Statements referred to under section 3**

H226 - Flammable liquid and vapor

H227 - Combustible liquid

H303 - May be harmful if swallowed

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H316 - Causes mild skin irritation

H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H320 - Causes eye irritation  
H400 - Very toxic to aquatic life  
H401 - Toxic to aquatic life  
H402 - Harmful to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects  
H412 - Harmful to aquatic life with long lasting effects  
H413 - May cause long lasting harmful effects to aquatic life

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

**Legend SECTION 8: Exposure controls and personal protection**

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

Key literature references and sources for data  
Research Institute of Fragrance Materials (RIFM Database)  
LOLI Database  
Suppliers Information  
IFRA/IOFI Labelling Manual

**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**

**End of Safety Data Sheet**