

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: Orange Blossom Olessence
Robertet Product Code: 00250527

CAS No. N/A

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

| | |
|-----------------------------------|-------------|
| Skin Corrosion/Irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2A |
| Skin Sensitization | Category 1B |

Label elements

Signal Word

Warning

Hazard Statements

Causes Skin Irritation
Causes serious eye irritation
May cause an allergic skin reaction



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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

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

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 |
|--|-----------|-------------|---|
| Nerolidol | 7212-44-4 | 60% - 70% | Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Eye Irrit. 2B (H320) Skin Sens. 1B (H317) |
| 1,6-octadien-3-ol,3,7-dimethyl | 78-70-6 | 20% - 30% | Flam. Liq. 4 (H227) Eye Irrit. 2A (H319) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Acute Tox. Oral 5 (H303) Aquatic Acute 3 (H402) |
| 2,6,10-dodecatrien-1-ol, 3,7,11-trimethyl | 4602-84-0 | 10% - 20% | Eye Irrit. 2A (H319) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) |
| Linalyl acetate | 115-95-7 | 5% - 10% | Flam. Liq. 4 (H227) Skin Irrit. 2 (H315) Eye Irrit. 2B (H320) Skin Sens. 1B (H317) Aquatic Acute 3 (H402) |
| 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) |
| Terpineol | 8000-41-7 | 1.0% - 5.0% | Flam. Liq. 4 (H227) Eye Irrit. 2A (H319) Skin Irrit. 2 (H315) Acute Tox. Oral 5 (H303) Aquatic Acute 3 (H402) |
| Ethanol | 64-17-5 | 0.1% - 1.0% | Flam. Liq. 2 (H225) Eye Irrit. 2A (H319) |
| Geraniol | 106-24-1 | 0.1% - 1.0% | Eye Dam. 1 (H318) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) |

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| | | | |
|--|----------|-------------|--|
| | | | Acute Tox. Oral 5 (H303) Aquatic Acute 3 (H402) |
| 2,6-octadien-1-ol,3,7-dimethyl acetate | 105-87-3 | 0.1% - 1.0% | Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 2 (H401) Aquatic Chronic 3 (H412) |
| Pinene, beta | 127-91-3 | 0.1% - 1.0% | Flam. Liq. 3 (H226) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Asp Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) |

4. FIRST AID MEASURES

4.1 First Aid Measures

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

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO₂). 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

No information available.

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 Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Dam up.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Do not breathe vapours or spray mist. 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) |
|--------------------------|---------------------|-----------------|------------------|----------------------|
| Ethanol 64-17-5 | 1900 MGM3, 1000 PPM | - | 1000 PPM | 1900 MGM3, 1000 PPM |
| Pinene, beta 127-91-3 | - | 20 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: Liquid
Appearance: Yellow orange
Odor: Characteristic
Odor Threshold: No information available

| <u>Property</u> | <u>Values</u> | <u>Remarks/ - Method</u> |
|---|----------------|--------------------------|
| pH | Not Determined | None known |
| Melting Point / Melting Range | Not Determined | None known |
| Boiling Point / Boiling Range (°C) | >35 | None known |
| Flash Point: | 96 °C / 205 °F | CC (closed cup) |
| Evaporation rate | Not Determined | None known |
| Flammability (solid, gas) | Not Determined | None known |
| Vapor Pressure (mm Hg @ 20°C): | Not Determined | None known |

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| | | |
|--|--------------------------|------------|
| Vapor Density | Not Determined | None known |
| Relative density | Not Determined | None known |
| Specific Gravity @ 20/20 °C: | 0.8700-0.9000 | RTM-101 |
| Water Solubility: | Not Determined | None known |
| Solubility in other solvents | Not Determined | None known |
| Partition coefficient: n-octanol/water | Not Determined | None known |
| Autoignition Temperature | Not Determined | None known |
| Decomposition temperature | Not Determined | None known |
| Decomposition temperature | Not Determined | None known |
| Viscosity | 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

Extremes of temperature and direct sunlight.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|---------------------|--|
| Product Information | Product does not present an acute toxicity hazard based on known information |
| Inhalation | No Data Available. |
| Eye Contact | No Data Available. |
| Skin Contact | No Data Available. |
| Ingestion | 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 .

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Oral LD50

>5000 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

Waste Disposal Method

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

DOT

Not regulated

IMDG/IMO

UN/ID No

3082

Proper shipping name

Environmentally hazardous substance, liquid, n.o.s (Nerolidol AND Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (r))

Hazard Class

9

Packing Group

III

EmS No.

F-A, S-F

IATA/ICAO

UN-No

3082

Proper shipping name

Environmentally hazardous substance, liquid, n.o.s (Nerolidol AND Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (r))

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

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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.

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End of Safety Data Sheet