

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: Blue Tansy EO
Robertet Product Code: 11020113

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
Skin Sensitization	Category 1B
Specific target organ toxicity (single exposure)	Category 2
Aspiration Toxicity	Category 1
Flammable liquids	Category 3

Label elements

Signal Word
Danger

Hazard Statements

Causes Skin Irritation
 May cause an allergic skin reaction
 May cause damage to organs
 May be fatal if swallowed and enters airways
 Flammable liquid and vapor



Precautionary Statements - Prevention

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Code:

Product Name: Blue Tansy EO

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Contaminated work clothing should not be allowed out of the workplace
Do not breathe dust/fume/gas/mist/vapors/spray
Do not eat, drink or smoke when using this product
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/equipment
Use only non-sparking tools
Take precautionary measures against static discharge

Precautionary Statements - Response

Specific treatment (see supplemental first aid instructions on this label)
IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician
If skin irritation or rash occurs: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do not induce vomiting
In case of fire: Use CO₂, dry chemical, or foam for extinction

Alcohol Solubility:

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

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None known

Other Information

May be harmful in contact with skin
Toxic to aquatic life with long lasting effects
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
d-camphor	464-49-3	10% - 20%	Flam. Sol. 2 (H228) STOT SE 2 (H371) Acute Tox. Inhalation - dust and mist 4 (H332) Acute Tox. Oral 4 (H302) Aquatic Acute 3 (H402)
Sabinene	3387-41-5	10% - 20%	
Pinene, beta	127-91-3	5% - 10%	Flam. Liq. 3 (H226) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Asp Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)
Beta Myrcene (Naturally occurring Non Food)	123-35-3	5% - 10%	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	5% - 10%	Flam. Liq. 3 (H226) Asp Tox. 1 (H304) Skin Irrit. 3 (H316)
Cymene p	99-87-6	1.0% - 5.0%	Flam. Liq. 3 (H226) Asp Tox. 1 (H304) Skin Irrit. 3 (H316) Acute Tox. Oral 5 (H303) Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411)
Pinene, alpha	80-56-8	1.0% - 5.0%	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)
Borneol	507-70-0	1.0% - 5.0%	Flam. Sol. 2 (H228) 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)
Terpinen-4-ol	562-74-3	1.0% - 5.0%	Flam. Liq. 4 (H227) Eye Irrit. 2A (H319) Skin Irrit. 2 (H315) Acute Tox. Oral 4 (H302) Acute Tox. Dermal 5 (H313) Aquatic Acute 3 (H402)
Caryophyllene beta	87-44-5	1.0% - 5.0%	Asp Tox. 1 (H304) Skin Sens. 1B (H317) Aquatic Chronic 4 (H413)
Camphene	79-92-5	1.0% - 5.0%	Flam. Sol. 2 (H228) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Eye Irrit. 2B (H320)
2-Oxabicyclo[2.2.2]octane, 1,3,3-trimethyl-	470-82-6	0.1% - 1.0%	Flam. Liq. 3 (H226) Skin Irrit. 3 (H316) Skin Sens. 1B (H317) Acute Tox. Oral 5 (H303)

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). Foam. Dry powder. Water.

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

Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire and/or explosion do not breathe fumes. Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Use personal protective equipment. Avoid contact with the skin and the eyes. Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation.

Environmental Precautions

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for Clean-up

Pick up and transfer to properly labelled containers. Soak up with inert absorbent material. After cleaning, flush away traces with water. Ground and bond containers when transferring material. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Precautions for safe handling

Handling

Wear personal protective equipment. Ensure adequate ventilation. Remove and wash contaminated clothing before re-use. Remove all sources of ignition. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Use only in area provided with appropriate exhaust ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment.

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	-	-

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. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State: Liquid
Appearance: Blue to dark green
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:	51 °C / 124 °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
Vapor Density	Not Determined	None known
Relative density	Not Determined	None known
Specific Gravity @ 20/20 °C:	0.8800-0.9600	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 recommended storage conditions.

Possibility of Hazardous Reactions

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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

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.

Numerical measures of toxicity - Product Information

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

Oral LD50	>5000 mg/kg
Mist	10.60 mg/L

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	Can be incinerated, when in compliance with local regulations.
Contaminated Packaging	Clean container with water. Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

DOT

UN/ID No 1169
Proper shipping name Extract, Aromatic, liquid
Hazard Class 3
Packing Group III

IMDG/IMO

UN/ID No 1169
Proper shipping name Extract, Aromatic, liquid
Hazard Class 3
Packing Group III
EmS No. F-E, S-D

IATA/ICAO

UN-No 1169
Proper shipping name Extract, Aromatic, liquid
Hazard Class 3
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 contains the following Proposition 65 chemicals:

Chemical name	CAS No.	California Prop. 65
Beta Myrcene (Naturally occurring Non Food)	123-35-3	Listed.

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.