

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Code: 00934440

Product Name: Apple Natural w/o Acetaldehyde

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

| | |
|-----------------------------------|-------------|
| Serious eye damage/eye irritation | Category 2A |
| Flammable liquids | Category 3 |

Label elements

Signal Word

Warning

Hazard Statements

Causes serious eye irritation

Flammable liquid and vapor



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Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
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
Wear protective gloves/protective clothing/eye protection/face protection

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 (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None known

Other Information

Harmful to aquatic life with long lasting effects

Harmful to aquatic life

Interactions with Other Chemicals

Not applicable

Principle Routes of Exposure

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS-No | Weight % | GHS Classification |
|--|------------|-------------|---|
| Ethanol | 64-17-5 | 40% - 50% | Eye Irrit. 2A (H319) Flam. Liq. 2 (H225) |
| 1-Butanol, 3-methyl-, acetate | 123-92-2 | 1.0% - 5.0% | Aquatic Acute 3 (H402) Flam. Liq. 3 (H226) |
| Acetic acid, ethyl ester | 141-78-6 | 1.0% - 5.0% | Flam. Liq. 2 (H225) Eye Irrit. 2A (H319) STOT SE 3 (H336) |
| 2,6-octadien-1-ol,3,7-dimethyl acetate | 105-87-3 | 0.1% - 1.0% | Skin Irrit. 2 (H315) Aquatic Acute 2 (H401) Aquatic Chronic 3 (H412) Skin Sens. 1B (H317) |
| Pinene, beta | 127-91-3 | 0.1% - 1.0% | Skin Sens. 1B (H317) Skin Irrit. 2 (H315) Asp. Tox. 1 (H304) Flam. Liq. 3 (H226) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) |
| 1,6,10-Dodecatrien-3-ol, 3,7,11-trimethyl-, (E)- | 40716-66-3 | 0.1% - 1.0% | Aquatic Acute 1 (H400) Skin Corr. 3 (H316) Eye Irrit. 2A (H319) Aquatic Chronic 1 (H410) |

4. FIRST AID MEASURES

First Aid Measures

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.
Consult a physician.

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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

Carbon dioxide (CO2). Use: Dry chemical. Water spray. 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.

Sensitivity to static discharge Yes.

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

Incompatible Materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

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Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

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: Pale yellow
Odor: Characteristic
Odor Threshold: No information available

| Property | Values | Remarks/ - Method |
|--|----------------|-------------------|
| pH | Not Determined | None known |
| Melting Point/Range | Not Determined | None known |
| Boiling Point/Range (°C) | >35 | None known |
| Flash Point: | 30 °C / 86 °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: | 0.8730-0.8930 | 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.

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Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerisation does not occur.

Conditions to Avoid

Heating in air.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon oxides.

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 .

12. ECOLOGICAL INFORMATION

Ecotoxicity

None known.

Persistence/Degradability

No information available.

Bioaccumulation/ Accumulation

Does not bioaccumulate.

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.

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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 |

H 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

International Regulations

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class

B2 Flammable liquid D2B Toxic materials



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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.

Classification and Labelling according to the IFRA/IOFI Labelling Manual 2013.

Preparation Date: 27-January-2016

End of SDS