



Natural Vanilla Oil

Safety Data Sheet

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

- 1.1 Product Name:** Natural Vanilla Oil
Product Code: 302-122X
- 1.2 Intended Use:** Compound used in customer substance/mixture/product.
- 1.3 Supplier:** Majestic Mountain Sage Inc
2490 S 1350 W
Nibley, 84321 - United States of America
T 435.755.0863 - F 435.755.2108
www.TheSage.com
- 1.4 Emergency Telephone Number**
No additional information available

SECTION 2: Hazards Identification

2.1 Classification of the Substance or Mixture

| | |
|-------------------|-------------|
| Carcinogenicity | Category 1A |
| Flammable Liquids | Category 4 |

2.2 GHS Label Elements, Including Precautionary Statements

Emergency Overview

Signal Word: Danger

Hazard Statements

H227 Combustible liquid
H303 May be harmful if swallowed
H350 May cause cancer



Appearance: Clear to slightly hazy **Physical State:** liquid **Odor:** Sweet vanilla

Precautionary Statements - Response

P308+P313 If exposed or concerned: Get medical advice/attention.
P370+P378 In case of fire: Use CO₂, dry chemical, or foam for extinction.

Precautionary Statements - Storage

P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Precautionary Statements - Disposal

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

SECTION 3: Composition/Information on Ingredients**3.1 Substances**

| Chemical Name | CAS No. | Weight % |
|---------------|----------|----------|
| Vanillin | 121-33-5 | 1-5% |
| Ethyl alcohol | 64-17-5 | 1-5% |

SECTION 4: First Aid Measures**4.1 Description of First Aid Measures**

General Advice: If symptoms persist, call a physician.

Eye Contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eyes wide open while rinsing. If symptoms persist, call a physician.

Skin Contact: Immediately wash off with soap and water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Ingestion: Do NOT induce vomiting. Rinse mouth with water and afterwards, drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Inhalation: Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Call a physician.

Self Protection of the First Aider: Use personal protective equipment.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Main Symptoms: Hives.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to Physicians: May cause sensitization in susceptible people.

| |
|---|
| SECTION 5: Firefighting Measures |
|---|

5.1 Extinguishing Media

Suitable: Use dry chemical, Carbon Dioxide (CO₂), water spray, alcohol-resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

5.2 Special Hazards Arising from the Substance or Mixture

Thermal decomposition can lead to release of irritating gases and vapors. In the event of a fire and/or explosion do not breathe fumes. May cause sensitization in susceptible persons. Keep product and empty container away from heat and sources of ignition. Risk of ignition.

Explosion Data

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: Yes

5.3 Protective Equipment and Precautions for Firefighters

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

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Use personal protective equipment. Avoid contact with eyes and skin. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

6.2 Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. 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.

6.3 Methods and Material for Containment and Cleaning Up

Containment: Prevent further leakage or spillage if safe to do so.

Cleaning Up: Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains. Dam up. Take precautionary measures against static discharges.

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling

Ensure adequate ventilation. Use personal protective equipment as required. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flames. No smoking. Do not breathe dust/fumes/gas/mist/vapors/spray. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Keep out of reach of children. Keep container tightly closed in a cool, well-ventilated place. Keep away from heat and sources of ignition. Keep in properly labeled containers.

Incompatible Products: None known based on information supplied.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Exposure Guidelines:

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

8.2 Exposure Controls

Engineering Controls: Shower, eyewash stations, and ventilation systems.

8.3 Personal Protective Equipment

Eye/Face Protection: Tightly fitting safety goggles

Skin and Body Protection: Chemical resistant apron.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection must 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. Wash contaminated clothing before reuse. Provide regular cleaning of equipment, work area and clothing.

SECTION 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical State: Liquid

Appearance: Clear to slightly hazy

Odor: Sweet vanilla

Color: Yellow

| Property | Values | Method |
|---|--------------------------|---------------|
| pH: | No information available | |
| Melting/Freezing Point: | No information available | FCC Method |
| Boiling Point/Boiling Range: | No information available | FCC Method |
| Flash Point: | 64°C / 148°F | Closed cup |
| Evaporation Rate: | No information available | |
| Flammability (solid, gas): | No information available | |
| Flammability Limits in Air: | No information available | |
| Upper Flammability Limit: | No information available | |
| Lower Flammability Limit: | No information available | |
| Vapor Pressure mm Hg 20°C: | No information available | |
| Vapor Density: | No information available | |
| Specific Gravity @ 25°C: | 0.9475 - 0.9555 | FCC Method |
| Specific Gravity @ 20°C: | 0.9505 - 0.9585 | FCC Method |
| Refractive Index: | 1.4495 - 1.4535 | FCC Method |
| Water Solubility: | Practically Insoluble | |
| Solubility in Other Solvents: | No information available | |
| Partition Coefficient: n-octanol/water | No information available | |
| Autoignition Temperature: | No information available | |
| Decomposition Temperature: | No information available | |
| Viscosity, Kinematic: | No information available | |
| Viscosity, Dynamic: | No information available | |
| Explosive Properties: | No information available | |
| Oxidizing Properties: | No information available | |

9.2 Other Information

| | |
|----------------------------|--------------------------|
| Softening Point: | No information available |
| Molecular Weight: | No information available |
| VOC Content (%): | No information available |
| Density VALUE: | No information available |
| Bulk Density VALUE: | No information available |

SECTION 10: Stability and Reactivity

10.1 Reactivity

No information available.

10.2 Chemical Stability

Stable under recommended storage conditions.

10.3 Possibility of Hazardous Reactions

None under normal processing.

10.4 Conditions to Avoid

Heat, flames and sparks.

10.5 Incompatible Materials

None known based on information supplied.

10.6 Hazardous Decomposition Products

None known based on information supplied.

SECTION 11: Toxicological Information

11.1 Information on Likely Routes of Exposure

Product Information: There is no data available for this product.
Inhalation: Avoid breathing vapor or mists.
Eye Contact: Irritating to eyes.
Skin Contact: Avoid contact with skin.
Ingestion: There is no data available for this product.

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------------|------------------|-------------|---------------------|
| Ethyl alcohol 64-17-5 | 7060 mg/kg (Rat) | - | 124.7 mg/L (Rat) 4h |

11.2 Information on Toxicological Effects

Symptoms: No information available.

11.3 Delayed and Immediate Effects as Well as Chronic Effects from Short and Long-term Exposure

Skin Corrosion/Irritation: Irritating to skin.
Eye Damage/Irritation: Irritating to eyes.
Sensitization: May cause sensitization by inhalation.
Germ Cell Mutagenicity: No information available.
Carcinogenicity: This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans, (Group 2B). Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|--------------------------|-------|---------|-------|------|
| Ethyl alcohol 64-17-5 | A3 | Group 1 | Known | X |

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US

Department of Labor) X - Present

Reproductive Toxicity:

No information available.

Specific Target Organ

Systemic Toxicity

(Single Exposure):

No information available.

Specific Target Organ

Systemic Toxicity

(Repeated Exposure):

No information available.

Chronic Toxicity

Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure. Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage. May cause adverse liver effects. Contains a known or suspected reproductive toxin.

Target Organ Effects:

Blood, central nervous system, eyes, liver, reproductive system, respiratory system, skin.

Aspiration Hazard:

No information available

11.4 Numerical Measures of Toxicity - Product Information

The following values are calculated based on Chapter 3.1 of the GHS document: No data available.

SECTION 12: Ecological Information

12.1 Ecotoxicity

0.15768% of this mixture consists of component(s) of unknown hazards to the aquatic environment.

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Toxicity to Daphnia and Other Aquatic Invertebrates |
|--------------------------|-------------------|---|---|---|
| Vanillin 121-33-5 | | 53 - 61.3: 96 h Pimephales promelas mg/L LC50 flow-through 88: 96 h Pimephales promelas mg/L LC50 static 57: 96 h Pimephales promelas mg/L LC50 semi-static | | 180: 24 h Daphnia magna mg/L EC50 |
| Ethyl alcohol 64-17-5 | | 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 Static 13400 - 15100: 96 h Pimephales promelas mg/L LC505 flow- through | EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min | 9268 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static |

12.2 Persistence and Degradability

No information available

12.3 Bioaccumulative Potential

No information available

| Chemical Name | log Pow |
|-----------------------|---------|
| Vanillin 121-33-5 | 1.23 |
| Ethyl alcohol 64-17-5 | -0.32 |

12.4 Other Adverse Effects

No information available.

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

| | |
|--------------------------------|--|
| Waste Disposal Methods: | It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations. |
| Contaminated Packaging: | Do not reuse container. |

SECTION 14: Transport Information

14.1 Transport Information

| | |
|-------------------------|----------------|
| <u>DOT</u> | Not regulated. |
| <u>ICAO/IATA</u> | Not regulated. |
| <u>IMDG/IMO</u> | Not regulated. |

SECTION 15: Regulatory Information

15.1 International Inventories

| | |
|----------------------|----------|
| TSCA | Complies |
| DSL/NDSL | Complies |
| EINECS/ELINCS | Complies |
| ENCS | - |
| IECSC | Complies |
| KECL | - |
| PICCS | Complies |
| AICS | Complies |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substance

IECSC - China Inventory of Existing chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Phillipines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

15.2 U.S. Federal Regulation

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.

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | No |
| Fire Hazard | Yes |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to release of this material.

15.3 U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

| Chemical Name | California Prop. 65 |
|-----------------------|----------------------------|
| Ethyl alcohol 64-17-5 | Carcinogen Developmental |

U.S. State Right-to Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|--------------------------|-------------------|----------------------|---------------------|
| Ethyl alcohol 64-17-5 | X | X | X |

U.S. EPA Label Information

No information available

| |
|--------------------------------------|
| SECTION 16: Other Information |
|--------------------------------------|

16.1 NFPA Rating

| | |
|---------------------------------------|---|
| Health Hazard: | 2 |
| Flammability: | 2 |
| Instability: | 0 |
| Physical and Chemical Hazards: | * |

16.2 HMIS Rating

| | |
|-----------------------------|---|
| Health Hazard: | 2 |
| Flammability: | 2 |
| Physical Hazard: | 0 |
| Personal Protection: | B |

WARNING/DISCLAIMER:

This ingredient(s) has not been tested, nor has it been deemed safe, for inhalation or use in electronic smoking devices, electronic nicotine delivery systems, electronic cigarettes or other similar devices (collectively "E-Cigarettes"). In supplying this ingredient, Majestic Mountain Sage instructs, and by receiving the ingredient recipient confirms, that this ingredient will not be used in connection with the manufacture and distribution of E-Cigarettes or any component thereof.

Notes:

This safety data sheet is based on the properties of the material known at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment holds no responsibility. This document is not intended for quality assurance purposes.