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# GREEN APPLE FLAVOR EXTRACT - TTB, ALCOHOL-FREE

## SAFETY DATA SHEET APPLE, GREEN, W.S.

### Section 1 PRODUCT AND COMPANY IDENTIFICATION

**Supplier:** OliveNation LLC  
13 Robbie Road #A4, Avon, MA 02322  
617-580-3667

**Product:** Apple, Green, W. S.  
**Code:** inv-AAHV

### Section 2 HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status** This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation  
Flammable liquids

Category 2A  
Category 3

#### GHS Label elements, including precautionary statements

**Hazard Statements:** Causes serious eye irritation, Flammable liquid and vapor  
**Appearance:** Colorless  
**Physical State:** @ 20 °C Liquid  
**Odor:** Characteristic



#### Precautionary Statements – Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
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  
In case of fire: Use CO<sub>2</sub>, dry chemical or foam for extinction

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## GREEN APPLE FLAVOR EXTRACT - TTB, ALCOHOL-FREE

<b>Precautionary Statements – Storage</b>	Store in well-ventilated place. Keep cool
<b>Precautionary Statements – Disposal</b>	Dispose of contents/container to approved waste disposal plant
<b>Hazards not otherwise classified (HNOC)</b>	N/A
<b>Other information</b>	Unknown Acute Toxicity: 0% of the mixture consists of ingredient(s) of unknown toxicity

### Section 3 FIRST AID MEASURES

#### First aid measures for different exposure routes

<b>General Advice</b>	Immediate medical attention is required. Show this Safety Data Sheet to the doctor in attendance. If symptoms persist, call a physician
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep very wide open while rinsing.
<b>Skin Contact</b>	Wash off immediately with plenty of water. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors.
<b>Ingestion</b>	Immediate medical attention is not required. Rinse mouth, drink plenty of water. Do not induce vomiting. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.

**Protection of first-aiders:** Removal all sources of ignition. Use personal protective equipment

**Most important symptoms/effects, acute and delayed**

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician** Treat symptomatically

## GREEN APPLE FLAVOR EXTRACT - TTB, ALCOHOL-FREE

### Section 4 FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media</b>	Decomposition by contact with water may generate vapors which can be ignited by heat or open flame.
<b>Specific hazards arising from the chemical</b>	Flammable
<b>Explosion Data</b>	Sensitivity to Mechanical Impact – none 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.

### Section 5 ACCIDENTAL RELEASE MEASURES

#### **Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system
<b>Methods and material for containment Methods for clean-up</b>	Prevent further leakage or spillage if safe to do so Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

### Section 6 HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Do not breathe vapors or spray mist.
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## GREEN APPLE FLAVOR EXTRACT - TTB, ALCOHOL-FREE

### Conditions for safe storage, including any incompatibilities

**Technical measures/Storage Conditions**

Keep tightly closed in a dry, cool place. Keep in properly labeled containers. Keep containers in a cool, well-ventilated place. Keep away from heat and sources of ignition

**Incompatible products**

None known based on information supplied

### Section 7 EXPOSURE CONTROLS/PERSONAL PROTECTIONS

**Exposure Guidelines:**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11<sup>th</sup> Cir., 1992)

**Exposure Controls**

**Engineering Measures:**

Showers, Eyewash Stations, Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/face Protection**

Tightly fitting safety goggles. Face-shield

**Skin and body protection**

Chemical resistant apron

**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.

**Hygiene measures**

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

### Section 8 PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

<b>Physical State @ 20 °C:</b>	Liquid	<b>Appearance:</b>	Colorless
<b>Odor:</b>	Characteristic of apple	<b>Odor Threshold:</b>	No information
<b>pH:</b>	No information	<b>Melting Point/Range:</b>	No information
<b>Initial Boiling Point:</b>	No information	<b>Boiling Point/Range:</b>	410 °F / 210 °C
<b>Flash Point:</b>	86 °F / 30 °C	<b>Freezing Point:</b>	No information
<b>Evaporation rate VALUE:</b>	No information		
<b>Flammable Properties:</b>	Flammable, may be ignited by heat, sparks or flame		
<b>Flammable Limits in Air:</b>	No information	<b>Explosive Properties:</b>	No information
<b>Oxidizing Properties:</b>	No information	<b>Vapor Density:</b>	No information



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## GREEN APPLE FLAVOR EXTRACT - TTB, ALCOHOL-FREE

<b>Vapor Press. @ 20 °C (mmHg):</b>	No information	<b>Specific Gravity:</b>	0.8560
<b>Water Solubility:</b>	Slightly soluble	<b>Solubility:</b>	No information
<b>Partition coefficient:</b>	No information	<b>Auto-ignition temp:</b>	No information
<b>Decomposition temperature:</b>	No information	<b>Viscosity, dynamic:</b>	No information
<b>Molecular weight:</b>	No information	<b>VOC Content:</b>	No information

### Section 9 STABILITY AND REACTIVITY

<b>Reactivity</b>	Exothermic reaction
<b>Chemical Stability</b>	Stable under recommended storage conditions
<b>Possibility of Hazardous Reactions</b>	None under normal processing
<b>Conditions to Avoid</b>	Heat, flames and sparks
<b>Incompatible Materials</b>	None known based on information supplied
<b>Hazardous Decomposition Products</b>	None known based on information supplied

### Section 10 TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known information
<b>Inhalation</b>	There is no data available for this product
<b>Eye contact</b>	There is no data available for this product
<b>Skin contact</b>	There is no data available for this product
<b>Ingestions</b>	There is no data available for this product

#### Information on toxicological effects

<b>Symptoms</b>	No information available
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#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Sensitization</b>	No information available
<b>Mutagenic effects</b>	No information available
<b>Reproductive toxicity</b>	No information available
<b>Specific target organ systemic toxicity</b>	No information available (single exposure)
<b>Specific target organ systemic toxicity</b>	No information available (repeated exposure)



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## GREEN APPLE FLAVOR EXTRACT - TTB, ALCOHOL-FREE

**Chronic Toxicity** Avoid repeated exposure. May cause adverse liver effects. Contains a known or suspected reproductive toxin.

**Target Organ Effects** Blood, reproductive system, central nervous system (CNS), eyes, respiratory system, liver, skin

**Aspiration hazard** No information available

### Numerical measures of toxicity – Product Information

**Unknown Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity

## Section 11 ECOLOGICAL INFORMATION

**Ecotoxicity** 82.304% of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Persistence/Degradability** No information available

**Bioaccumulation** No information available

**Other adverse effects** No information available

## Section 12 DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** This material as supplied, is a hazardous waste according to federal regulations (40 CFR 261)

**Contaminated Packaging** Do not re-use empty containers

**US EPA Waste Number** D001

## Section 13 TRANSPORT INFORMATION

### DOT – BULK PACKAGING

**UN Number** 1197

**Proper Shipping Name** Extracts, flavoring liquid

**Hazard Classification** 3

**Packing Group** III

**Reportable Quantity (RQ)** Please refer to Appendix A to 49CFR 172.101 – List of Hazardous Substances and Reportable Quantities

### DOT – NON BULK PACKAGING

**UN Number** 1197

**Proper Shipping name** Extracts, flavoring liquid

**Hazard Classification** 3

**Packing Group** III

## **GREEN APPLE FLAVOR EXTRACT - TTB, ALCOHOL-FREE**

**Reportable Quantity (RQ)** Please refer to Appendix A to 40CFR 172.101 – List of Hazardous Substances and Reportable Quantities

### **IMDG/IMO**

**UN Number** 1197  
**Proper Shipping name** Extracts, flavoring liquid  
**Hazard Classification** 3  
**Packaging Group** III  
**Reportable Quantity (RQ)** Please refer to Appendix A to 49CFR 172.101 – List of Hazardous Substances and Reportable Quantities

### **MEX (SCT)**

**UN Number** 1197  
**Proper Shipping name** Extracts, flavoring liquid  
**Hazard Classification** 3  
**Packing Group** III  
**Reportable Quantity (RQ)** Please refer to Appendix A to 40CFR 172.101 – List of Hazardous Substances and Reportable Quantities

### **ICAO/IATA**

**UN Number** 1197  
**Proper Shipping name** Extracts, flavoring liquid  
**Hazard Classification** 3  
**Packing Group** III  
**Reportable Quantity (RQ)** Please refer to Appendix A to 40CFR 172.101 – List of Hazardous Substances and Reportable Quantities

### **TDG**

**UN Number** 1197  
**Proper Shipping name** Extracts, flavoring liquid  
**Hazard Classification** 3  
**Packing Group** III  
**Reportable Quantity (RQ)** Please refer to Appendix A to 40CFR 172.101 – List of Hazardous Substances and Reportable Quantities

### **RID**

**UN Number** 1197  
**Proper Shipping name** Extracts, flavoring liquid  
**Hazard Classification** 3  
**Packing Group** III

### **ADR/RID**

**UN Number** 1197  
**Proper Shipping name** Extracts, flavoring liquid  
**Hazard Classification** 3  
**Packing Group** III

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# GREEN APPLE FLAVOR EXTRACT - TTB, ALCOHOL-FREE

## Section 14 REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	- - -
<b>DSL/NDSL</b>	Not Determined
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Not Determined
<b>IECSC</b>	Complies
<b>KECL</b>	Not Determined
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

### Legend:

TSCA – Unites 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 Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS – Japan Existing and New Chemical Substances

IECSC – China Inventory of Existing Chemical Substances

KECL – Korean Existing and Evaluated Chemical Substances

PICCS – Philippines Inventory of Chemicals and Chemical Substances

AICS – Australian Inventory of Chemical Substances

### 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.

#### 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

### U.S. State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals

### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable



## **GREEN APPLE FLAVOR EXTRACT - TTB, ALCOHOL-FREE**

### Section 15 OTHER INFORMATION

NFPA	Health Hazard	2	Flammability	3	Instability	0	Physical/chemical hazards
HMS	Health Hazard	2	Flammability	3	Physical Hazard	0	Personal protection - X

### DISCLAIMER

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