



LIBERTY NATURAL PRODUCTS, INC.

*The Source for the Finest
Pure and Natural Botanical Oils and Extracts*

libertynatural.com

Section 1. Product and Company Identification

Product Name:	Organic White Grapefruit
Product Code:	9004
Description:	Essential Oil of the White Grapefruit
Product Use:	Industrial
Manufacturer:	Liberty Natural Products, 20949 S Harris Rd, Oregon City, OR 97045 (800) 289-8427
Emergency Phone:	USA, Canada, Mexico: 1-800-535-5053 International: 1-352-323-3500

Section 2. Hazards Identification

Category:	H226 Flammable liquid and vapor.
Signal Word:	Danger
Ingestion:	H304 May be fatal if swallowed and enters airways.
Health Risks:	N/A
Eye Contact:	N/A
Skin Contact:	H315 Causes skin irritation. H317 May cause an allergic skin reaction.
Environmental:	H410 Very toxic to aquatic life with long-lasting effects.

Pictograms:



PRECAUTIONARY STATEMENT:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P331 Do NOT induce vomiting.
P240 Ground/bond container and receiving equipment.
P242 Use only non-sparking tools.
P273 Avoid release to the environment.
P301 + 312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
P302 + 352 IF ON SKIN: Wash with plenty of soap and water.
P304 + 341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + 351 + 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P235 Store in well-ventilated place. Keep cool.
P405 Store locked up.

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Section 3. Composition and Information on Ingredients

Chemical Name:	<i>Citrus Paradise Macf.</i>
Physical State:	Liquid.
CAS #:	8016-20-4
Impurities:	None.
Trade Secret Claim:	None.

Section 4. First Aid Measures

Eyes:	Remove contact lenses if worn. Flush immediately with plenty of water
Skin Contact:	Rinse skin with soap and water/shower. In case of skin irritation, consult a physician.
Inhalation:	Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice
Ingestion in excess:	Do not try to induce vomiting. Rinse mouth. Consult a doctor and Seek medical assistance as needed.
Emergency Care:	Contact local emergency provider. For non-emergency, contact primary care provider.
PPE:	Gloves, lab coat or uniform, safety glasses, eyewash, safety shower.

Section 5. Fire-Fighting Measures

Flammability:	Flammable.
Extinguishing Media:	SUITABLE: CO ₂ , foam, dry chemical. NON SUITABLE: Water.
Special Fire-Fighting Procedure:	Wear positive pressure, self contained breathing apparatus. Wear protective clothing to prevent Contact with skin and eyes. Remove containers from fire area. Spray extinguishing media directly into the base of the flames. Water is Unsuitable for use on burning materials but may be used to cool containers exposed to heat.
Unusual Fire and Explosion Hazards:	Essential and vegetable oils have the potential to self-heat and contribute to spontaneous combustion when present on fabrics. Caution should be exercised in the storage and launder of fabrics exposed to oils.
PPE and Precautions for Firefighters:	Possibility of development of hazardous gases or vapors in event of fire. Following may develop: CO and CO ₂

Section 6. Accidental Release Measures

Personal Precautions:	Avoid all contact with eyes and mucous membranes by wearing goggles, protective clothing, vapor respirator, boots, gloves, and or self-contained breathing apparatus.
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Environmental Precautions:	Keep away from drains, surface and ground water. Retain contaminated washing water and dispose it. Explosive properties.
Containment:	Absorb with clay, sand, or other non-combustible material. Notify authorities if large amounts of product enters sewer, prevent entry into waterways, sewers, and confined areas.
Clean Up:	Remove any source of flame or sparks. Recover spilled material with pump or absorb onto an inert, absorbent substrate and sweep up. Use protective gloves

Section 7. Handling and Storage

Handling Precautions:	Use protective gloves, minimize inhalation. Keep away from heat and all sources of ignition - No smoking. Wash hands before breaks and after work. Keep away from food, drink and animals.
Storage Precautions:	Store in sealed container, keep container closed after using. Store in a cool, dry, dark location away from any ignition source in a well-ventilated area.
Other:	See Section 8

Section 8. Exposure Controls/Personal Protection

Engineering Controls:	General industrial hygiene practice.
Respiratory Protection:	Use adequate ventilation or approved respiratory devices if vapor concentration is high due to heat.
Hand Protection:	Plastic or synthetic rubber impermeable gloves. NBR (Nitrile rubber).
Eye Protection:	Chemical splash goggles, safety glasses or face shield should be worn. Eyewash bottle with clean water should be near work station.
Skin and Body Protection:	Clothes for chemical protection to avoid contact. Lab coats, boots and protective gloves should be worn.
Ingestion:	Do not eat, drink and smoke while using
Industrial Hygiene:	Use good personal hygiene practices. Limit exposure to product whenever possible. Wash contaminated clothing or shoes before each use.
OSHA Permissible Exposure Limits (PELs):	N/A
ACGIH Threshold Limit Values:	N/A

Section 9. Physical and Chemical Properties

Appearance:	Colorless to yellow-orange liquid
Upper/Lower Flammability:	N/A
Odor:	Characteristic citrus
Vapor Pressure:	N/A
Odor Threshold:	N/A

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Vapor Density:	N/A
pH:	N/A
Relative Density:	N/A
Melting Point:	N/A
Freezing Point:	N/A
Solubility:	Insoluble
Initial Boiling Point and Boiling Range:	N/A
Flash Point:	124°F / 51°C
Evaporation Rate:	N/A
Flammability Category:	N/A
Partition Coefficient:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A
Specific Gravity:	0.840 - 0.865

Section 10. Stability and Reactivity

Stability:	The product is stable and non-reactive under normal conditions of use, storage and transport
Avoid:	Keep away from sources of ignition, flame and heat. Avoid hot work and sources of ignition on or near empty containers.
Incompatibility:	Avoid strong acids strong bases and all oxidizing agents.
Hazardous Byproducts:	N/A
Other:	No dangerous reaction known under conditions of normal use.

Section 11. Toxicological Information

Toxicological and Health Effects:	Non toxic at established levels.
Likely Routes of Exposure:	Eyes, nose, mouth, skin.
Signs and Symptoms of Exposure:	N/A
LD50 (median lethal dose):	Not available
Listed NTP Carcinogen:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by IARC, ACGIH, NTP or OSHA.
INGESTION:	May cause lung damage if swallowed.

Section 12. Ecological Information

TOXICITY:	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
PERSISTENCE / DEGRADABILITY:	No information available.
BIOACCUMULATION POTENTIAL:	May cause long-term adverse effects in the aquatic environment No information available.

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RESULTS OF PBT AND vPvB ASSESSMENT:

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

MOBILITY IN SOIL:

No information available.

OTHER ADVERSE EFFECTS:

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13. Disposal Considerations**Disposal Containers:**

It is a dangerous waste; only packaging which is approved (e.g. acc. to ADR) may be used.

Waste Disposal:

Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations

Special Considerations:

Dispose in accordance with all applicable regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Section 14. Transport Information

UN Number: UN 1169

UN Shipping Name: Extracts, Aromatic, Liquid

Transport Hazard Class: 3

Packing Group Number: III

Stowage and Handling: N/A

Section 15. Regulatory Information

Product Regulations: N/A

Section 16. Other Information

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Initial of Editor: SAM

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This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.

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