

***Cold Pressed Grapefruit Oil***

**Preparation/Revision Date: 1/2010**

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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: CP Grapefruit Oil

Synonyms: Grapefruit Essential Oil

Intended Use: flavor/fragrance

Florida Worldwide Citrus Products Group, Inc.

2806 59th Avenue Drive East, Bradenton, FL 34203 USA

EMERGENCY CONTACT: CHEM-TEL. 1-800-255-3924 / 1-813-248-0585

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

EC INDEX No.: 1

LIMONENE: 85%

CAS # 8016-20-4

**3. HAZARDS IDENTIFICATION**

HAZARD SYMBOLS: Xn (harmful)

R PHRASES:

10 (Flammable)

36/38 (Irritating to eyes and skin)

65 (Harmful: may cause lung damage if swallowed)

**4. FIRST AID MEASURES**

EYE CONTACT FIRST AID: Flush eye with water for 15 minutes. Get medical attention.

SKIN CONTACT FIRST AID: Immediately flush skin with plenty of water.

Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

INHALATION FIRST AID: Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen.

INGESTION FIRST AID: Get medical attention immediately. Do not induce vomiting ..

**5. FIRE FIGHTING MEASURES**

Extinguishing Media: Carbon dioxide, foam or dry chemical

Special Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing. Unusual Fire and Explosion Hazards:

Combustible liquid; keep away from heat, spark and open flame.

Incompatibility (Materials to Avoid): Avoid strong oxidizing agents.

Hazardous Decomposition Products: None known.

Will Hazardous Polymerization Occur: No

Conditions to Avoid for Polymerization: N/A

Conditions to Avoid for Polymerization: N/A

Is the Product Stable: Yes

Conditions to Avoid for Stability: Excessive heat, open flames, or other sources of ignition.

## **6. ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS: Protect skin and eyes from exposure.

ENVIRONMENTAL PRECAUTIONS: Do not empty into drain. Do not discharge into surface waters/groundwater. IN case of entry into waterways, soil or drains, inform the responsible authorities. METHODS OF CLEANING/RECOVERY: Pick up with absorbent material. Send in suitable contains for recovery or disposal.

## **7. HANDLING AND STORAGE**

HANDLING: Provide good room ventilation even at ground level. Vapors can form an explosive mixture with air. Take precautionary measures against static charges. Keep away fro sources of heat and ignition. Do not smoke.

STORAGE: Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a cool, well-ventilated place. Protect from heat and direct sunlight.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

ENGINEERING CONTROLS: No special ventilation requirements.

EYE / FACE PROTECTION REQUIREMENTS: When splashing of the material may occur, chemical goggles and a face shield are recommended.

SKIN PROTECTION REQUIREMENTS: Wear protective gloves to minimize skin contamination.

RESPIRATORY PROTECTION REQUIREMENTS: Under normal use conditions, with adequate ventilation, no special handling equipment is required.

MISCELLANEOUS: Where an apron and protective clothing.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

FORM Liquid

COLOR: Dark Orange

VAPOR PRESSURE: 2 mmHg

ODOR: Similar to Fresh Grapefruit

BOILING POINT: 349 F

SOLUBILITY IN WATER Insoluble

SPECIFIC GRAVITY(25C) 0.85 (Water = 1)

FLASH POINT 118°F (cc)

## **10. STABILITY AND REACTIVITY**

STABILITY: Stable.

POLYMERIZATION: Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong oxidizing agents.

DECOMPOSITION: Decomposition will not occur if handled and stored properly. CONDITIONS TO AVOID: Avoid excessive heat, open flames, or other sources of ignition.

## **11. TOXICOLOGICAL INFORMATION**

EYE EFFECTS: Can cause severe eye irritation including burns and or permanent damage. SKIN EFFECTS: Contact may cause skin irritation, rash or burns.

## **MATERIAL SAFETY DATA SHEET**

ACUTE ORAL EFFECTS: May cause tissue burns.

ACUTE INHALATION EFFECTS: No known hazards in normal industrial use.

REPRODUCTION AND BIRTH EFFECTS: There are no known or reported effects on reproductive function or fetal development.

### **12. ECOLOGICAL INFORMATION - No information available.**

### **13. DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

CONTAMINATED MATERIALS: Wash contaminated clothing before reuse.

CONTAINER DISPOSAL: Clean out containers prior to disposal.

### **14. TRANSPORTATION INFORMATION**

PRODUCT LABEL:	Cold Pressed Grapefruit Oil
D.O.T. PROPER SHIPPING NAME:	FLAMMABLE LIQUID, N.O.S. (TERPENES)
D.O.T. HAZARD CLASS:	3
UN NUMBER:	1993
PACKING GROUP:	III

### **15. REGULATORY INFORMATION**

HAZARD SYMBOLS:

Xn (harmful)

R PHRASES:

10 (Flammable)

36/38 (Irritating to eyes and skin)

65 (Harmful: may cause lung damage if swallowed)

S PHRASES:

24/25 (Avoid contact with skin and eyes)

36/39 (Wear suitable protective clothing and eye/face protection)

62 (If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.)

### **16. OTHER INFORMATION**

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

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