

# MATERIAL SAFETY DATA SHEET

Camden-Grey Essential Oils  
3567 NW 82 Ave., Doral, FL 33122  
Emergency Tel.: 305-500-9630

## I. GENERAL INFORMATION

### Chemical Name

Grapefruit Seed Extract

### Chemical FamilyCTFA Adopted Name

Bioflavonoids / Ascorbics / Flavoring agents

### Grapefruit Seed Extract

### Formula

Grapefruit Seed Extract is 63% active and 37% inert

### Active Ingredients

Grapefruit Seed Extract

43%-48.0%

Vitamin C (Ascorbic acid)

15%-20% (max)

(primary source of Vitamin C is from the extract)

63.0%

### Inert Ingredients

Glycerin (USP 97.7 and kosher)

34.0%

Moisture

3.0% (max)

37.0%

100.0%

### Hazard Classification (99)

%

Not Applicable

50

### TLV

10 MG/CUM

## II. PHYSICAL & CHEMICAL PROPERTIES

### Vapor Pressure (mm Hg)

N/A

### Specific Gravity (H<sub>2</sub>O %)

(d<sub>25</sub> deg C) 1.10-1.30

### Vapor Density (Air=1)

4.1

### Melting Point

N/A

### Freezing Point

20.0 deg. F / -6.67 deg C

### Solubility in Water

% Volatile by Volume

Yes

N/A

**Appearance** Lemon yellow to golden brown

**pH** 1.5-3.0

**Other** Characteristic Odor

## III. FIRE & EXPLOSIVE INFORMATION

**Flash Point:** 292 (Deg. F)

**Explosive Limit:** N/A

**Extinguishing Media:** Foam, Water Fog, Carbon Dioxide, or Dry Chemical

**Firefighting Procedures:** Water of foam may cause frothing, which can be violent and possibly endanger the life of the firefighter, especially if sprayed into containers of hot, burning liquid. Wear self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode when fighting fires.

**Unusual Fire & Explosion Hazards:** Never use welding or cutting torch on / near drum. Residue may ignite.

LEL & UEL Not Applicable

**NFPA / HMIS Ratings:**

Health-1

Flammability-1 Reactivity-0

## IV. HEALTH HAZARD DATA

**ACCIN TLV:** N/A

**Carcinogen NTP:** No

**ARC:** No

**OSHA:** No

**Toxicity:** (\*conducted during product development only)

Acute oral LD<sub>50</sub> in white rats 5,000 mg/kg

Acute inhalation LC<sub>50</sub> in rabbits and guinea pigs at 250 mg m<sup>3</sup> slight increase in serum alkaline phosphate levels in:

- (a) Value when tested according to method 16CFR 1500.41
- (b) (Does) meet the criteria to corrosiveness 49CFR 173.240 (a) (1)

**Sensitivity:**

(Does Not) produce allergic sensitization in a substantial number of people.

**Symptoms of Exposure:**

Severe eye irritation and mucous irritation when used directly.

**Medical conditions aggravated by exposure:** None

**Primary routes of entry:** Clothing. If ingested, drink large quantities of water or milk.

**First Aid:** (a) Avoid breathing vapor full strength if it is heated. If inhaled, remove individual to fresh air. Proper ventilation is suggested for persons that are allergic or sensitive. Keep container closed when not in use. (b) If in eyes: Flush with large amounts of water. Get medical attention. (c) If swallowed: DO NOT INDUCE VOMITING! Give milk and/or egg white beaten in water. Avoid all alcohol. Call a physician at once.

**V. REACTIVITY DATA**

**Stability:** Stable

**Conditions to avoid:** Strong oxidizing agents

**Material to avoid:** N/A

**Hazardous:** Polymerization may not occur

**VI. SPILL OR LEAK PROCEDURES**

Observe local regulations and provisions

**Spills:** Avoid contacting other materials. All spills should be absorbed with sawdust, sand, paper towels, or an equivalent absorbent. The absorbent materials should then be removed and incinerated. Final treatment of the area should be cleaned with soap and water. Do not spill into water stream. This product, **at full strength**, is toxic to fish.

**Waste Disposal method:** This product is classified as a non-corrosive liquid and should be disposed of in accordance with all local, state, and federal regulations.

**VII. PROTECTIVE EQUIPMENT**

**Respiratory Protection:** A NIOSH / MSHA approved air supplied respirator is advised if prolonged exposure without proper ventilation is unavoidable. OSHA regulations also permit other NIOSH / MSHA respirators (negative pressure type) under specified conditions (see your safety equipment supplier). Engineering or administrative controls should be implemented to reduce exposure.

**Ventilation:** Provide sufficient mechanical (general and / or local exhaust) ventilation to avoid unhealthy exposure.

**Protective gloves:** Wear resistant gloves such as; natural rubber

**Eye protection:** Chemical splash goggles in compliance with OSHA regulations are advised.

**Other protective equipment:** To prevent repeated or prolonged skin contact, wear impervious clothing. Protective apron is recommended.

**VIII. SPECIAL PRECAUTIONS**

**Precautions for Handling & Storage:** Store upright in a cool dry place

**Precautions for Maintenance & repair of contaminated equipment:** Clean equipment thoroughly.

**Other:** Non-corrosive

**IX. D.O.T. HAZARDOUS MATERIAL INFORMATION**

Proper shipping name, Non-corrosive liquid.

The data supplied in this MSDS relates only to the specific material designated herein and does not relate to use in combination with any other materials or in any process. The data presented herein is based on experiments and information believed to be accurate and reliable. However, no warranty is made, either expressed or implied, regarding the accuracy of the results obtained from the use of such data. Camden-Grey Essential Oils, Inc. will assume no responsibility for results or performance in products or processes over which we have no control.