



Section 1. Product and Company Identification

Product Name Grapefruit Seed Extract
CAS Number 84696-38-8; 90045-43-5

Parchem - fine & specialty chemicals

415 Huguenot Street

New Rochelle, NY 10801

(914) 654-6800 **(914) 654-6899**

parchem.com **info@parchem.com**

EMERGENCY RESPONSE NUMBER

CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Not classified as a hazardous substance or mixture

GHS Label Elements

Pictograms: N/A

Signal word: N/A

Hazard and precautionary statements

None

Emergency Overview

If ingested, drink large quantities of water or milk. Do not induce vomiting.

Eye Contact: Avoid contact with eyes. Likely to cause severe eye irritation.

Skin Contact: Avoid prolonged contact at full strength due to low pH of product. May cause skin irritation.

Inhalation: Avoid breathing vapor when heating.

Ingestion: DO NOT INGEST. NOT FOR HUMAN CONSUMPTION.

Section 3. Composition / Information on Ingredients

Common Name Grapefruit Seed Extract
CAS Number 84696-38-8; 90045-43-5

| COMPONENT | CAS NUMBER | CONCENTRATION |
|--------------------------------|------------|---------------|
| Grapefruit Seed Extract | 90045-43-5 | 40 – 45.0% |
| Vitamin C (Ascorbic Acid) | 50-81-7 | 15 – 20.0% |
| Glycerin (USP 97.7 and Kosher) | 56-81-5 | 37.0 – 40.0% |
| Moisture | N/A | 0.0 – 3.0% |



Section 4. First Aid Measures

Eye Contact: Flush eyes with water for at least 15 minutes. Seek medical attention immediately.

Skin Contact: Wash skin with soap and water. Rinse skin thoroughly with water for at least 15 minutes.

Ingestion: DO NOT INDUCE VOMITING! Give milk and/or egg white beaten in water. Avoid all alcohol. Call a physician at once.

Inhalation: Remove from contaminated area to fresh clean air.

Medical Conditions Generally Aggravated by Exposure: None

Section 5. Firefighting Measures

Flash Point: 292°F

Flammable Limits

LEL: Not Established

UEL: Not Established

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

Special Firefighting Procedures: Water of foam may cause frothing, which can be violent and possibly endanger the life of the fire-fighter, 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.

Hazard Thermal Decomposition Products: Not known

Section 6. Accidental Release Measures

Personal Precautions: Wear protective gloves, aprons, and chemical splash goggles.

Environmental Precautions: Advise authorities if product enters sewers.

Methods for Cleaning Up: 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.

Section 7. Handling and Storage

Handling

Safe Handling: Wear protective gloves and aprons. Chemical splash goggles are recommended. Clean contaminated equipment thoroughly.

Storage Requirements for Storage Areas and Containers: Store in cool, dry well ventilated storage area.

Other: Non-corrosive liquid.



Section 8. Exposure Controls / Personal Protection

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

Skin/Body: Wear resistant gloves such as; natural rubber & protective aprons.

Respiratory: 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.

Other: Evaluate need based on application.

Work/Hygiene Practice: N/A

Section 9. Physical and Chemical Properties

Physical State: Heavy, viscous liquid

Color: Yellow to golden brown

Odor: Mild citrus

pH (10% solution): 1.5 - 3.0

Vapor Pressure (mmHg): N/A

Vapor Density (Air = 1): 4.1

Freezing Point: 20.0°F/-6.67°C

Melting Point: N/A

Specific Gravity: (25°C): 1.10 - 1.30

Solubility in Water: Soluble

Volatile: Non-Volatile

Section 10. Stability and Reactivity

Stability: Stable under normal conditions

Incompatibility (Materials to Avoid): Strong oxidizing agents

Hazardous Decomposition or Byproducts: Polymerization will not occur

Conditions to Avoid: Extreme Heat

Section 11. Toxicological Information

OSHA TLV: N/A

ACCIN TLV: N/A

Carcinogen NTP: No

ARC: No

OSHA: No



Toxicity (*conducted during product development only)

- Acute oral LD50 in white rats 5,000 mg/kg
- Acute inhalation LC50 in rabbits and guinea pigs at 250 mg/m³ slight increase in serum alkaline phosphate levels.

Skin

- Irritant when tested according to method 16CFR 1500.41
- (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.

Section 12. Ecological Information

Ecotoxicity: Do not spill into water stream. This product, at full strength, is toxic to fish.

Environmental Fate: Based largely or completely on information for primary material (glycerin). Biodegradable under aerobic conditions. Biodegradation is expected to be achievable in a secondary wastewater treatment plant.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT Classification: Not Regulated Material

IATA Classification: This product is not considered as dangerous goods.

IMDG Classification: This product is not considered as dangerous goods.

Section 15. Regulatory Information

United States (TSCA): All ingredients are on the TSCA Chemical Substance Inventory

DSL (Canadian Domestic Substance List): All ingredients are listed on the Canadian DSL

OSHA Hazard Communication Standard, 29 CFR 1910.1200, Hazard Summary

Physical Data: None

Health Hazards: None

WHMIS Classification: Non-controlled (Nonhazardous)

CERCLA and SARS Regulations (40 CFR 355, 370, and 372)

This material contains the following chemicals subject to the reporting requirements of SARA 313: No SARA 313 Chemicals for this product.



SARA 311/312 Hazard Categories

Immediate: No

Delayed: No

Fire: No

Pressure: No

Reactivity: No

State Regulations: California Proposition 65: Not a Prop. 65 material

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 1/29/2016

parchem
fine & specialty chemicals