

MATERIAL SAFETY DATA SHEET

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name (as on label):

P-50^{SD}

Product Code:

Grapefruit Extract

Distributed By: Saffire Blue inc.
1444 Bell Mill Road
Tillsonburg, ON N4G4G9
Canada

2. COMPOSITION / INGREDIENT INFORMATION

HAZARDOUS COMPONENTS	%	TLV
Not Applicable	0	N/A

3. HAZARDS IDENTIFICATION

Emergency Overview: Lemon yellow to golden brown liquid

Eyes:	Severe eye irritation when used directly
Skin:	Avoid prolonged contact at full strength due to low pH of product
Inhalation:	Avoid breathing vapor full strength if heated
Ingestion:	DO NOT INGEST. NOT FOR HUMAN CONSUMPTION

4. FIRST AID MEASURES

Eyes:	Flush with large amounts of water. Get medical attention.
Skin:	Rinse with large amounts of water.
Inhalation:	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.
Ingestion:	If swallowed: DO NOT INDUCE VOMITING! Give milk and / or egg white beaten in water. Avoid all alcohol. Call a physician at once.

5. FIRE FIGHTING MEASURES

Flash point: 292 Deg F

Extinguishing Media: Foam, water fog, Carbon Dioxide, or dry chemical

Fire fighting Procedures: Water or 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.

Flammable Limits: LEL & UEL Not applicable.

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

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.

Waste Disposal method: P-50^{SD} is classified as a non-corrosive liquid and should be disposed of in accordance with all local, state, and federal regulations.

7. HANDLING AND STORAGE

Store upright in a cool, dry place.
Use reasonable care when handling.

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8. EXPOSURE CONTROL / PERSONAL PROTECTION

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous liquid
Color: Lemon yellow to golden brown.

10. STABILITY AND REACTIVITY

Stability: Stable
Material to avoid: N/A
Conditions to avoid: Strong oxidizing agents
Hazardous: Polymerization may not occur

11. TOXICOLOGICAL INFORMATION

Acute:
skin: Irritant when tested according to method 16 CFR 1500.41
eye: May cause slight transient (temporary) eye irritation.
oral: LD₅₀ in white rats 5,000 mg / kg
inhalation: LC₅₀ in rabbits and guinea pigs at 250 mg m3. Slight increase in serum alkaline phosphate levels.
Chronic: None observed
Other: None observed

12. ECOLOGICAL INFORMATION

Ecotoxicity: Material is toxic to fish at full strength.
Environmental fate: Based largely or completely on information for primary raw material (glycerine). Biodegradable under aerobic conditions. Biodegradation is expected to be achievable in a secondary wastewater treatment plant.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods: Do Not Dump into any sewers, on the ground, or into any body of water. All disposal methods must be in compliance with all Federal, State / Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

P-50, Inc. has no control over the management practices or manufacturing processes of parties handling or using this material. The information presented here pertains only to the product as shipped in its intended condition.

For unused & uncontaminated product: The preferred options include sending to a licensed, permitted: recycler, reclaimer, incinerator or other thermal destruction device.

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14. TRANSPORT INFORMATION

DOT Classification: For DOT regulatory information, if required, consult transportation regulations or product shipping papers.

IATA Classification: For IATA regulatory information, if required, consult transportation regulations or product shipping papers.

Other: Proper shipping name: Non-corrosive liquid, Hazard class

Required Packing 1 gallon, 5 gallons, and 55-gallon plastic drums. All packaging conforms to I.C.C. specifications 17E or 38B.

Requires labels.

15. REGULATORY INFORMATION

ATF DISTILLED SPIRITS ACT
ENVIRONMENTAL LISTS

Not Applicable

STATE LISTS (Not meant to be all-inclusive. Selected regulations represented)

Notice: The information herein is presented in good faith and believed to be accurate. However, no warranty, expressed or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.

SARA Hazard Category: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Not to have met any hazard category

INTERNATIONAL LISTS Comparable to US regulation (SARA Hazard Category)

Labeling requirements: Labels required in accordance with federal, state or provincial and local laws
EU risk/safety: Not Evaluated

16. OTHER INFORMATION

HMIS INFORMATION:

Health:	Flammability:	Reactivity:	Protection:
1	1	0	A

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