

MATERIAL SAFETY DATA SHEET
SECTION I. IDENTIFICATION OF PRODUCT

Name: CITRUS FRESH PLUS
Identity: Natural-based Cleaner MSDS Number: 6109 Date: 11/18/2004 Supersedes: 6/12/2003
TOXICITY: 1 FIRE: 2 REACTIVITY: 0 PROTECTION: C

SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Name	CAS Number	PEL	TLV	%
d-Limonene	5989-27-5	NE	NE	25-3

SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 212° F	Specific Gravity: 0.970 ± 0.005	Vapor Pressure (mm Hg.): ND	Melting Point: ND
Vapor Density (Air = 1): 1	Evaporation (H ₂ O = 1):1	Water Solubility: Complete	pH @ 77° F: 10.5 ± 0.5
			VOCgm/L: 242.5

Appearance and Odor: Clear to clear yellow liquid, Citral odor

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (TCC): 130F	% LEL: ND	% UEL: ND	Flammable Limits: ND
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Extinguishing Media: Water fog, foam, carbon dioxide. Cool containers exposed to flames with water from side.

Special Fire Fighting Procedures: Combustible. Lighter than water, may spread fire.

Unusual Fire and Explosion: Water may spread burning liquid. Keep away from sparks, heat and open flames.

SECTION V. HEALTH HAZARD DATA

Route(s) of Entry: INHALATION? Yes EYES? Yes SKIN? Yes INGESTION? Yes

(Acute) Health Hazards:

Eyes: May cause irritation, redness, pain
Skin: Prolonged or repeated contact may cause irritation
Ingestion: May cause gastric distress
Inhalation: Breathing mist may irritate respiratory passages.

(Chronic) Health Hazards: None Known

Signs and Symptoms of Exposure:

Eyes: Redness, pain, tearing, blurry vision
Skin: Prolonged contact may cause drowsiness
Ingestion: Irritation to stomach, diarrhea
Inhalation: Occasional mild irritation effects to nose and throat may occur.

Medical Conditions Generally Aggravated by Exposure: Pre-existing contact site disorders.

Emergency First Aid Procedures:

Eyes: Immediately flush eyes with large amounts of water for about 15 minutes. Hold eyelids apart during the flushing to ensure thorough rinsing.
Skin: Immediately flush all affected areas with large amount of running water for at least 15 minutes. Remove and discard contaminated clothing and shoes. Get medical attention.
Ingestion: Obtain immediate medical attention.
Inhalation: Remove to fresh air. If irritation persists, obtain medical attention.

SECTION VI. TOXICITY DATA

Carcinogenicity: NTP? No IARC No OSHA REGULATED? No

SECTION VII. REACTIVITY DATA

Stability: Stable Hazardous Polymerization Will Not Occur

Incompatibility (Materials to Avoid): Strong oxidizers

Hazardous Decomposition Byproducts: Oxides of carbon & nitrogen

SECTION VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled:

Small Spills: Mop up. Slippery on floor. Absorb liquid with absorbent material.

Large Spills: Dike area and absorb into neutral material or pump up

Disposal: Meet Federal, State & Local Requirements

Handling and Storage: Store in cool, dry well ventilated area. Keep container tightly closed when not in use.

Other Precautions: Keep out of reach of children. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY.

SECTION IX. CONTROL MEASURES

Respiratory Protection: NIOSH approves air purifying with vapor cartridge or canister

Ventilation: Normal indoor

Local Exhaust: Not normally indicated unless mist is generated

Mechanical (General): Not normally indicated unless mist is generated

Protective Gloves: Rubber, Neoprene

Eye Protection: Chemical safety goggles

Other Protective Clothing or Equipment: Long pants, sleeves, apron

Work/Hygienic Practices: The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because use conditions will vary, depending upon customer applications, specific safe handling procedures should be developed by persons knowledgeable of the intended use conditions and equipment.

SECTION X. DOT INFORMATION

NOT REGULATED

SECTION XI. MISCELLANEOUS INFORMATION

SARA 313: No Not Regulated in 110 gals or less

Notice: All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, manufacturer makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product.

NA - Not Available

NE - Not Established

ND - Not Determined