

MATERIAL SAFETY DATA SHEET

SECTION I. IDENTIFICATION OF PRODUCT

Name: CITRUS FRESH CLEANER
Identity: Natural Based Cleaner MSDS Number: 6822 Date: 11/18/2004 Supersedes: 8/3/2004
TOXICITY: 1 FIRE: 0 REACTIVITY: 0 PROTECTION: B

SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Name	CAS Number	PEL	TLV	%
d-Limonene	5989-27-5	NE	NE	5-10

SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 212° F	Specific Gravity: 1.013 ± 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: 10.00 ± 0.5
			VOCgm/L: 49

Appearance and Odor: Clear to clear orange liquid, Citrus odor

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (TCC): 200F	% 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: Prevent breathing vapors. Wear SCBA and protective clothing.

Unusual Fire and Explosion: Combustible liquid. 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
Skin: May cause irritation to sensitive skin
Ingestion: Low acute toxicity. Large amounts causes gastro-intestinal upset.
Inhalation: Breathing mist may irritate respiratory passages.

(Chronic) Health Hazards: None Known

Signs and Symptoms of Exposure:

Eyes: Redness, pain, tearing
Skin: Not considered as skin irritant
Ingestion: Nausea & vomiting, 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: Flush eyes with large amounts of water, lifting upper and lower eyelids. If irritation persists, obtain medical attention.
Skin: Wash off with soap and water. Remove contaminated clothing and wash before reuse. If irritation persists, obtain 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): Oxidizers, ignition sources

Hazardous Decomposition Byproducts: Carbon Dioxide and Carbon Monoxide

SECTION VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

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

Small Spills: Mop up. Recover as much as possible. Do not dump into sewers, ground or body of water.

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 approved, air purifying

Ventilation: Normal indoor

Local Exhaust: Not normally indicated unless mist is generated

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

Protective Gloves: Rubber or vinyl

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

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