



MATERIAL SAFETY DATA SHEET

Bio-Fresh

I - PRODUCT IDENTIFICATION

Company Name: Nu-Calgon Wholesaler, Inc.
Address: 2008 Altom Court, St. Louis, MO 63146-4151
Product Name: Bio-Fresh
Synonyms: Germicide Cleaner
EPA Regis. No. 1459-101-65516
EPA Est. No. 10208-MO-1

Tel No: (314) 469-7000, (800) 554-5499
CHEMTREC: (800) 424-9300
Product Number: 4126

II - HAZARDOUS INGREDIENTS OF MIXTURES

<u>MATERIAL</u>	<u>CAS#</u>	<u>% By Wt</u>	<u>TLV</u>	<u>PEL</u>
Dipropylene Glycol Monomethyl Ether	34590-94-8	<10	100ppm	150ppm
Alkyl Dimethyl Benzyl Ammonium Chloride	139-07-1	0.3	N/E	N/E

Bio-Fresh contains no Section 313 listed substances subject to reporting

All ingredients are TSCA listed.

III - PHYSICAL DATA

Vapor Pressure: Not Determined
Evaporation Rate: Same as water
Solubility in H₂O: Complete
Freezing Point °F: 32°F
Boiling Point °F: 212°F
Specific Gravity H₂O=1 @25° C: 1.010

Vapor Density (Air=1) 60-90° F: Not Determined
VOC Content (% by wt.): Not Determined
pH @ Solution: N/A
pH as Distributed: 12.0 +/- 0.5
Appearance: Clear, water white
Odor: Characteristic chemical

IV - FIRE AND EXPLOSION

Flash Point F: None to boiling
Flammable Limits: N/AN/A
Extinguishing Media: Product is not combustible. Water spray, dry chemical, CO₂
Special Fire Fighting Procedures: Do not enter confined fire-spaces w/o protective clothing & self-contained air supply
Unusual Fire and Explosion Hazards: None

V - REACTIVITY DATA

Stability - Conditions to avoid: Stable.
Incompatibility: Strong acids/oxidizers; do not mix with chlorinated cleaners (bleach).
Hazardous Decomposition Products: Burning may produce CO, CO₂ and unidentified organic compounds.
Conditions Contributing to Hazardous Polymerizations: Will not occur.

VI - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE (Medical Conditions Aggravated/Target Organ Effects),
A. ACUTE (Primary Route of Exposure) EYES; Prolonged or repeated contact of concentrated product will cause irritation and reddening. SKIN: May cause irritation with some individuals.INGESTION: May cause nausea, abdominal discomfort and diarrhea.
B. SUBCHRONIC, CHRONIC, OTHER: None.
C. MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

VII - EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air. Start artificial respiration if necessary. Oxygen may be administered. Call a physician.
EYES: Flush eyes with water for at least 15 minutes and call a physician immediately.
SKIN: Wash affected areas with large amounts of soap and water. If irritation persists, call a physician.
INGESTION: DO NOT induce vomiting. Dilute by drinking water. Call a physician immediately.

VIII - SPILL OR LEAK PROCEDURE

Spill Management: Safely stop spill at source. Contain spill by dyking with soil or other inert material. Mop, pump or absorb with material and reclaim into sound containers for reuse, recycle or proper disposal. Prevent all spills from entering natural water ways.

Waste Disposal Methods: Dispose of in an approved waste facility according to federal, state and local regulations. See label for specifics.

IX - PROTECTION INFORMATION/CONTROL MEASURES

Respiratory: Not required under normal use conditions. Avoid misting conditions/spray back.

Eye Protection: Safety glasses goggles. **Glove:** Rubber Gloves /PVC.

Other Clothing and Equipment: Protective clothing as required to minimize contact during specific operations.

Ventilation: Mechanical.

X - SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storing : No special requirements if product is handled according to good practices. Keep container closed when not in use. Wash thoroughly after handling. Avoid all contact with eyes, skin or clothing. Avoid all contact with foods, feed or water. Observe all label directions as to storage and disposal. Keep out of reach of children.

Additional Information: None

NFPA

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Specific Hazard ...:

HMIS RATING

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection ...: X (Sec. 9)

Revision Date: 03/19/2002

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