



MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<u>Company Name</u> Nu-Calgon Wholesaler, Inc.	<u>Phone Number</u> (314) 469-7000 / (800) 554-5499		<u>CHEMTREC</u> (800) 424-9300	
<u>Street Address</u> 2008 Altom Court	<u>City</u> St. Louis	<u>State</u> MO	<u>Postal Code</u> 63146-4151	<u>Last Update</u> 12/11/09
<u>Product Name</u> Evap-Fresh Evaporator Cleaner & Disinfectant	<u>Product Number</u> 4166-08	<u>Product Use</u> Foaming Evaporator Coil Cleaner & Disinfectant		<u>EPA Registration #</u> 1839-83-65516

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>% By Wt.</u>	<u>CAS Number</u>	<u>TLV</u>	<u>PEL</u>
Alkyl dimethyl benzyl ammonium chloride (C12-18)	0.105	68391-01-5	No Data.	No Data.
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	0.105	85409-23-0	No Data.	No Data.

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview: Clear liquid, May cause irritation to eyes and skin.

Potential Health Effects

Eyes: This product may cause irritation to the eyes.

Skin: This product may cause irritation to the skin.

Ingestion: Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

Inhalation: Exposure via inhalation not likely. High vapor or aerosol concentrations may be irritating to the nose, throat and upper respiratory tract.

Chronic Exposure: No Data.

Carcinogenicity: Not listed as a carcinogenic according to IARC, NTP or OSHA.

Medical Conditions Aggravated by Exposure: No Data.

SECTION 4 – FIRST AID MEASURES

Eyes: immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

Skin: For skin contact flush with large amounts of water. Immediately take off all contaminated clothing. If irritation persists, seek medical attention. Wash contaminated clothing before reuse.

Ingestion: If the material is swallowed, get immediate medical attention or advice. Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Note to Physician: If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. If symptoms persist, get medical attention.

SECTION 5 – FIREFIGHTING MEASURES

Flash Point: >201°F

Autoignition Temp: No Data°C/No Data°F

Hazardous Products of Combustion: May form carbon monoxide.

Flammable Limits in Air: No data

Extinguishing Media: Dry chemical, foam, carbon dioxide, water fog.

Fire and Explosion Hazards: No Data.

Special Firefighting Procedures: Firefighters should wear full fire-fighting turn-out gear(full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill or Leak: Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. Do not touch or walkthrough spilled material. Wear appropriate personal protective equipment during cleanup. Small Spills: Absorb or cover with dry earth, sand or other non-combustible material & transfer to containers for later disposal. Large Spills: Dike ahead of liquid spill for later disposal. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of the National Pollutant Discharge Elimination System(NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment: Avoid contact with skin, eyes & clothing. Avoid breathing mists or vapors of this product. Wash hands thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Storage Requirements: Store in dry, well-ventilated area. Avoid freezing or excessive heat. DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Under normal conditions, respirator is not normally required. If vapors are present or irritation is experienced, NIOSH approved respiratory protection for ammoniacal vapors should be worn.

Eye Protection: Wear safety glasses with side shields.

Protective Clothing: Use impervious gloves. Wear suitable protective clothing.

Exposure Guidelines: No Data.

Specific Engineering Controls (such as ventilation, enclosed process): Use with adequate ventilation. Eye wash fountain and emergency showers are recommended.

Diethylene glycol monobutyl ether 112-34-5

NIOSH - Health Standards - Exposure Limits reduce exposure to lowest feasible concentration.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid	Freezing Point: >0°C/>32°F	% Volatile by Weight: No Data.%
Color: Clear	Vapor Density [air =1]: No Data.	Evaporation Rate: No Data.
Odor: No Data.	Vapor Pressure: No Data.	Specific Gravity: (1.007 g/ml), 8.38 lb/gal
Boiling Point: 100°C/212°F	Solubility in Water: complete	pH (concentrate): 11.7

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong acids, alkalies and oxidizing agents.

Reactive Conditions to avoid: Avoid strong oxidizing agents.

Decomposition Products: Upon decomposition, this product may yield oxides of nitrogen and ammonia.

SECTION 11 – TOXICOLOGICAL INFORMATION

Hazardous Ingredients	CAS #	EINECS #	LD 50 of Ingredient (Specify Species)	LC50 of Ingredient (Specify Species)
Diethylene glycol monobutyl ether	112-34-5		Oral Rat: 5660 mg/kg; Oral Mouse: 2400 mg/kg; Dermal Rabbit: 2700 mg/kg	

SECTION 12 – ECOLOGICAL INFORMATION

Hazardous Ingredients	Aquatic Toxicity Data
Toxic to fish. Toxic to aquatic organisms.	Information available upon request. Please contact Nu-Calgon Wholesaler Inc.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: Container Disposal: Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. For containers 1 gallon or less: Do not reuse empty container (bottle, can, bucket). Wrap container and put in trash.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

SECTION 14 – TRANSPORTATION INFORMATION

Special Shipping Information: Not Regulated by DOT.

<u>Purview</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT (Land)	No Data.	No Data.	No Data.	No Data.
IMO (Water)	No Data.	No Data.	No Data.	No Data.
ICAO (Air)	No Data.	No Data.	No Data.	No Data.

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: (Workplace Hazardous Material Information System)	Not regulated by WHMIS.
SARA Title III: (Superfund Amendments & Reauthorization Act)	This product may contain the following ingredients known to the State of California to cause cancer, birth defects or other reproductive harm: Nitrotriacetic acid (NTA) (CAS RN: 139-13-9) Ethylene Oxide (CAS RN: 75-21-8)
OSHA: (Occupational Safety & Health Administration)	No Data.
TSCA: (Toxic Substance Control Act)	This product is considered a pesticide, and is therefore excluded from US TSCA Regulations.
VOC: (volatile Organic Compounds)	No Data.
CPR: (Canadian Controlled Products Regulations)	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations.
EINECS: (European Inventory of Existing Commercial Chemical Substances)	No Data.
DSL / NDSL: (Canadian Domestic Substance List)(Non-Domestic Substance List)	No Data.
CERCLA: (Comprehensive Response Compensation & Liability Act)	No Data.
IDL: (Canadian Ingredient Disclosure List)	No Data.
NFPA (HMIS) Rating: (Hazardous Materials Identification System)	Health: 1 Flammability: 1 Reactivity:0

SECTION 16 – OTHER INFORMATION

No Data.

The information contained herein is based on the data available to us and is believed to be correct. However, Nu-Calgon Wholesaler Inc. makes no warranty, expressed, or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Nu-Calgon Wholesaler Inc. assumes no liability for injury from the use of the product described herein.