



MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Name Nu-Calgon Wholesaler, Inc.	Phone Number (314) 469-7000 / (800) 554-5499	CHEMTREC (800) 424-9300		
Street Address 2008 Altom Court	City St. Louis	State MO	Postal Code 63146-4151	Last Update 5/1/07
Product Name Pan Pads Condensate Treatment	Product Number 4295-4296	Product Use Condensate Drain Pan Treatment		EPA Registration # 33427-4-65516

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	% By Wt.	CAS Number	TLV	PEL
Ethanol	5 - 10	64-17-5		
Alkyl(60%C14,30%C16,5%C12,5%C18)Dimethyl Benzyl Ammonium Chloride	10 - 30	68391-01-5		
Alkyl(68%C12, 32%C14)Dimethyl Ethylbenzyl Ammonium Chloride Ethanol	10 - 30	68956-79-6		

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview: May be harmful by inhalation, ingestion, skin adsorption. Severe eye irritation. Severe skin irritation. Toxic to aquatic organisms. Avoid release to the environment. Appearance Light brown contents packaged in a plastic container. Physical State Solid. Odor Soapy.

Potential Health Effects

Eyes: Severe eye irritation. Avoid contact with eyes.

Skin: Severe skin irritation. Avoid contact with skin.

Ingestion: May be harmful if swallowed. Nausea. Diarrhea.

Inhalation: May cause irritation of the mucous membranes. May cause irritation of respiratory tract.

Chronic Exposure: Avoid repeated exposure.

Carcinogenicity: There are no known carcinogenic chemicals in this product

Medical Conditions Aggravated by Exposure: N/A

SECTION 4 – FIRST AID MEASURES

Eyes: Show this safety data sheet to the doctor in attendance. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician or Poison Control Centre immediately.

Skin: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Call a physician or Poison Control Centre immediately.

Ingestion: Do not induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Centre immediately.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. Call a physician or Poison Control Centre immediately. Notes to Physician: Treat symptomatically. Protection of First-aiders: Use personal protective equipment. Avoid contact with skin, eyes and clothing.

SECTION 5 – FIREFIGHTING MEASURES

Flash Point: N/A°F

Autoignition Temp: N/A°C/N/A°F

Hazardous Products of Combustion: Keep product and empty container away from heat and sources of ignition.

Flammable Limits in Air: N/A

Extinguishing Media: Water spray. Carbon dioxide (CO2). Dry powder. Foam.

Fire and Explosion Hazards: N/A

Special Firefighting Procedures: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill or Leak: Personal Precautions: Use personal protective equipment. Avoid contact with skin, eyes and clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Environmental Precautions: Local authorities should be advised if significant spillages cannot be contained. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system. Should not be released into the environment. Prevent product from entering drains. Methods for Cleaning up Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment: Use only in an area equipped with a safety shower. Ensure adequate ventilation. Do not breathe vapours/dust. Avoid contact with skin, eyes and clothing.

Storage Requirements: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep at temperatures between 10 and 48.88°C. Keep in properly labelled containers. Keep out of the reach of children.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: In case of insufficient ventilation wear suitable respiratory equipment.

Eye Protection: Tightly fitting safety goggles.

Protective Clothing: Protective gloves.

Exposure Guidelines: Chemical Name Ethanol ; ACGIH TLV TWA: 1000 ppm ; OSHA PEL TWA: 1000 ppm TWA: 1900 mg/m³ ; Ontario TWAEV TWA: 1000 ppm TWA: 1900 mg/m³ ; Mexico TWA: 1000 ppm TWA: 1900 mg/m³ / NIOSH IDLH 3300 ppm.
IDLH: Immediately Dangerous to Life or Health. General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

Specific Engineering Controls (such as ventilation, enclosed process): Ensure adequate ventilation, especially in confined areas.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Solid	Freezing Point: N/A °C/N/A °F	% Volatile by Weight: N/A%
Color: Light brown contents packaged in a plastic container	Vapor Density [air =1]: N/A	Evaporation Rate: N/A
Odor: Soapy	Vapor Pressure: N/A	Specific Gravity: 0.965 - 0.985
Boiling Point: N/A °C/N/A °F	Solubility in Water: 73 - 85%	pH (concentrate): N/A

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions

Hazardous Polymerization: None under normal processing

Incompatibilities: Strong oxidizing agents.

Reactive Conditions to avoid: Heat, flames and sparks

Decomposition Products: Carbon monoxide, Carbon dioxide (CO₂), Nitrogen oxides (NO_x), Hydrogen chloride gas.

SECTION 11 – TOXICOLOGICAL INFORMATION

Hazardous Ingredients	CAS #	EINECS #	LD 50 of Ingredient (Specify Species)	LC50 of Ingredient (Specify Species)
Ethanol	No Data.	No Data.	=1501 mg/kg Rat	=124.7 mg/L Rat 4 h
To the best of our knowledge, the complete toxicological properties have not been thoroughly investigated.				
Teratogenic Effects May cause harm to the unborn child. [Ethanol, Cas# 64-17-5 by the state of Massachusetts].				
Developmental Effects California Proposition 65 - Developmental Toxicity. [Ethyl alcohol in alcoholic beverages]				

SECTION 12 – ECOLOGICAL INFORMATION

Hazardous Ingredients	Aquatic Toxicity Data
Toxic to aquatic organisms. Avoid release to the environment.	log Pow = -0.32
Ethanol	Microtox Data: Photobacterium phosphoreum EC50=34634 mg/L (30 min) Photobacterium phosphoreum EC50=35470 mg/L (5 min) Water Flea Data: Daphnia magna EC50=10800 mg/L (24 h) Daphnia magna EC50=9268 mg/L (48 h)

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: Contact waste disposal services. Dispose of in accordance with local regulations. Empty containers should be taken for local recycling, recovery or waste disposal.

SECTION 14 – TRANSPORTATION INFORMATION

Special Shipping Information: Not Regulated.

<u>Purview</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT (Land)	Not Regulated.			
IMO (Water)	Not Regulated.			
ICAO (Air)	Not Regulated.			

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: (Workplace Hazardous Material Information System)	Not Regulated by WHMIS.
SARA Title III: (Superfund Amendments & Reauthorization Act)	Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.
OSHA: (Occupational Safety & Health Administration)	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
TSCA: (Toxic Substance Control Act)	Does not Comply
VOC: (volatile Organic Compounds)	Listed.
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)	Does not Comply
DSL / NDSL: (Canadian Domestic Substance List)(Non-Domestic Substance List)	Does not Comply
CERCLA: (Comprehensive Response Compensation & Liability Act)	No Data.
IDL: (Canadian Ingredient Disclosure List)	No Data.
NFPA (HMIS) Rating: (Hazardous Materials Identification System)	No Data.

SECTION 16 – OTHER INFORMATION

Melting Point/Range 170 - 180°F;
State Right-to-Know: Massachusetts, New Jersey, Pennsylvania, Rhode Island

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.