MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Name	Phone Number		CHEMTREC	
Nu-Calgon Wholesaler, Inc.	(314) 469-7000 / (800) 554-5499		(800) 424-9300	
Street Address	**City**	**State**	**Postal Code**	**Last Update**
2008 Altom Court	St. Louis	MO	63146-4151	1/26/07
Product Name	**Product Number**	**Product Use**		**EPA Registration #**
Green Clean	4186	All Purpose Cleaner/Degreaser Concentrate		N/A

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	% By Wt.	CAS Number	TLV	PEL
Dipropylene Glycol Methyl Ether ("DPM")	3-6%	34590-94-8	100ppm (TWA); 150ppm (STEL)	100ppm
Sodium Carbonate	1-3%	497-19-8	None Established	None Established
Surfactant Blend	1-10%	Proprietary	None Established	None Established
Tetrasodium EDTA	1-3%	64-02-8	None Established	None Established

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview: Alkaline detergent with solvent. Do not get in eyes, on skin or clothing. Avoid breathing spray or mist. Use only with adequate ventilation and appropriate personal protection equipment.

Potential Health Effects

Eyes: Prolonged contact with eyes will cause moderate to severe irritation. Eye damage possible if contact is prolonged.

Skin: Prolonged or repeated contact with skin can cause moderate to severe irritation with pain; irritation may be delayed.

Ingestion: Ingestion may cause nausea, abdominal discomfort, vomiting and diarrhea and mucosal irritation.

Inhalation: Inhalation of generated vapor may cause central nervous system depression effects such as dizziness, lightheadedness, headache, incoordination and other narcotic effects. Inhalation of mists or spray may cause respiratory irritation and irritation of mouth, throat, and stomach.

Chronic Exposure: None currently known.

Carcinogenicity: None

Medical Conditions Aggravated be Exposure: An existing dermatitis, respiratory illness.

SECTION 4 – FIRST AID MEASURES

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.

Inhalation: Remove to fresh air. Start artificial respiration if necessary. Oxygen may be administered. Call a physician.

SECTION 5 – FIREFIGHTING MEASURES

Flash Point: None to Boiling °F

Autoignition Temp: N/A°C/N/A°F

Hazardous Products of Combustion: Burning may produce oxides of carbon and other substances.

Flammable Limits in Air: N/A

Extinguishing Media: Product is non-combustible. Water Spray (Fog), Dry Chemical; CO2; or Foam may be used where product is stored.

Fire and Explosion Hazards: None

Special Firefighting Procedures: Do not enter confined fire-spaces without protective clothing and self-contained air supply.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill or Leak: Do not touch or walk through spilled material. Stop leak if you can without risk. Dike ahead of large spills to prevent run-off. Mop, pump or take up with sand or other inert absorbent and reclaim into containers for reuse, recycle, or proper disposal. Prevent entry into sewers and waterways.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment: No special requirements if product is handled according to good manufacturing practices. Wash thoroughly after handling. Minimum feasible handling temperatures should be maintained. Avoid contact with eyes, skin and clothing. Avoid breathing mists or vapors. Harmful if swallowed. D.O.T. Classifcation - not regulated

Storage Requirements: Keep container closed when not in use. Wash thoroughly after handling. D.O.T. Classification: Not Regulated

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Not required under normal use conditions with good general ventilation. Use with adequate ventilation. Specific use conditions (spraying/confined spaces) where regulatory limits are exceeded, may require local exhaust ventilation to prevent release of mist &/or vapors into work environment. If ventilation in not adequate, use NIOSH/MSHA approved respirator.

Eye Protection: Safety Glasses/Goggles

Protective Clothing: Chemical resistant gloves recommended. No special requirements - work clothing appropriate to minimize contact/reduce exposed skin area.

Exposure Guidelines: Dipropylene Glycol Methyl Ether ("DPM") TLV = 100ppm TLV. Eye wash station and safety shower in handling area.

Specific Engineering Controls (such as ventilation, enclosed process): Insure adequate ventilation to control "DPM" airborne concentration below TLV of 100ppm. Eye wash station and safety shower in handling area.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid	**Freezing Point:** 0°C/32°F	**% Volatile by Weight:** ~90%%
Color: Clear Green Colored	**Vapor Density [air =1]:** Not Determined	**Evaporation Rate:** (vs. H2O): About the same.
Odor: Citrus Odor	**Vapor Pressure:** Not Determinded	**Specific Gravity:** (H2O=1): 1.04 (+/-0.005)
Boiling Point: 100°C/212°F	**Solubility in Water:** Complete	**pH (concentrate):** 12.8 (=/-0.5)

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable

Hazardous Polymerization: None

Incompatibilities: Strong acids/oxidizers. Do not mix with chlorinated detergents (bleach).

Reactive Conditions to avoid: N/A

Decomposition Products: Burning may produce oxides of carbon and other substances.

SECTION 11 – TOXICOLOGICAL INFORMATION

Hazardous Ingredients	CAS #	EINECS #	LD 50 of Ingredient (Specify Species)	LC50 of Ingredient (Specify Species)
Dipropylene Glycol Methyl Ether ("DPM")	34590-94-8	No Data.	LD50 ORAL (rat) = 5350mg/kg	LC50 Inhalation (Rat) = 400ppm (7 hrs)
Tetrasodium EDTA	64-02-8	No Data.	LD50 ORAL (rat) = 4100mg/kg	No Data
Sodium Carbonate	497-19-8	No Data.	LD50 ORAL (rat) = 4090mg/kg	LC50 (Inhalation) = 2.3ml/l (rat ; 2 hr)

SECTION 12 – ECOLOGICAL INFORMATION

Hazardous Ingredients	Aquatic Toxicity Data
Dipropylene Glycol Methyl Ether ("DPM")	Practically non-toxic to aquatic organisms on an acute basis. LC50 = >10,000mg/l (fathead minnow)
Tetrasodium EDTA	LC50 = 550mg/l (Bluegill ; 96 hr)
Sodium Carbonate	LC50 = 265 - 565mg/l (Daphnia Magna ; 96 hr)

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of in an approved waste facility according to Federal, State and local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

Special Shipping Information: No Data.

Purview	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT (Land)	Not Regulated			
IMO (Water)	No Data.			
ICAO (Air)	No Data.			

SECTION 15 – REGULATIORY INFORMATION

WHMIS Classification: (Workplace Hazardous Material Information System)	Class E - Corrosive Material
SARA Title III: (Superfund Amendments & Reauthorization Act)	Contains no Section 313 listed substances subject to reporting requirements.
OSHA: (Occupational Safety & Health Administration)	OSHA Hazardous - Acute hazard
TSCA: (Toxic Substance Control Act)	All ingredients are TSCA registered.
VOC: (volatile Organic Compounds)	6.2% by weight
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)	All ingredients are listed on the Canadian DSL
CERCLA: (Comprehensive Response Compensation & Liability Act)	N/A
IDL: (Canadian Ingredient Disclosure List)	Sodium carbonate, dipropylene glycol methyl ether and lauryldimethlamine oxide (surfactant component) are on the IDL. Other ingredients on the IDL are below their required disclosure level.
NFPA (HMIS) Rating: (Hazardous Materials Identification System)	100X

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 herin.