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	8/28/12
Product Name	**Product Number**	**Product Use**		**EPA Registration #**
Aerosol Degreasing Solvent EF	4083-75	General Purpose Degreaser		N/A

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	% By Wt.	CAS Number	TLV	PEL
Tetrachloroethylene	85 - 95	127-18-4	25 ppm	25 ppm
Acetone	< 10	67-64-1	750 ppm	1000 ppm
Carbon dioxide	< 10	124-38-9	5000 ppm	5000 ppm

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview: Warning: Ensure adequate ventilation. Avoid breathing vapors or mists. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122ºF (50°C). Do not pierce or burn, even after use. Do not spray on naked flame or any incandescent material. KEEP OUT OF REACH OF CHILDREN

Potential Health Effects

Eyes: Irritating to eyes.

Skin: Irritating to skin. Prolonged skin contact may defat the skin and produce dermatitis.

Ingestion: Aspiration may cause pulmonary oedema and pneumonitis or nausea

Inhalation: Inhalation of high vapour concentrations may cause nasal & respiratory irritation and symptoms like headache, dizziness, tiredness, nausea, vomiting and possible unconsciousness.

Chronic Exposure: Prolonged exposure may cause chronic effects such as. Lung damage. liver and kidney injuries may occur. cardiac irregularities. May cause disorder and damage to the spleen. Repeated and prolonged exposure to solvents may cause brain and nervous system damage. In chronic inhalation tests with rats and mice, Tetrachloroethylene caused an increased incidence of tumours of a type which is routinely observed in these species.

Carcinogenicity: Tetrachloroethylene: California proposition 65 carcinogen.

Medical Conditions Aggravated be Exposure: May aggravate existing eye, skin, or upper respiratory conditions.

SECTION 4 – FIRST AID MEASURES

Eyes: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists, consult a specialist.

Skin: Wash off with soap and water. If skin irritation persists, call a physician.

Ingestion: DO NOT INDUCE VOMITING. Clean mouth with water and afterwards drink plenty of water.

Inhalation: Move to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth. Obtain medical attention.

SECTION 5 – FIREFIGHTING MEASURES

Flash Point: No Data.°F

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

Hazardous Products of Combustion: Carbon oxides, Hydrogen chloride (trace amounts), Phosgene (trace amounts) or Chlorine (trace amounts).

Flammable Limits in Air: No Data.

Extinguishing Media: Foamy spray. Dry chemical. Carbon dioxide (CO2).

Fire and Explosion Hazards: Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122ºF (50°C).

Special Firefighting Procedures: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Water mist may be used to cool closed containers.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill or Leak: Do not flush into surface water or sanitary sewer system. Dispose of in accordance with local regulations. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment: Ensure adequate ventilation. Use personal protective equipment.

Storage Requirements: KEEP OUT OF REACH OF CHILDREN. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122ºF (50°C).

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye Protection: Safety glasses with side-shields.

Protective Clothing: Neoprene gloves. Safety glasses with side-shields.

Exposure Guidelines: See Section 2.

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

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Aerosol.	**Freezing Point:** No Data.°C/No Data.°F	**% Volatile by Weight:** 44.3%
Color: Clear	**Vapor Density [air =1]:** No Data.	**Evaporation Rate:** No Data.
Odor: Solvent	**Vapor Pressure:** PSIG @ 70ºF (Aerosols): 85-100.	**Specific Gravity:** 1.60
Boiling Point: No Data.°C/No Data.°F	**Solubility in Water:** Insoluble	**pH (concentrate):** No Data.

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Hazardous Polymerization: Hazardous polymerization does not occur.

Incompatibilities: Strong oxidizing agents, Reactive metals, Aluminum or Magnesium.

Reactive Conditions to avoid: Heat, flames and sparks. Extremes of temperature and direct sunlight. Do not expose to temperatures above 54°C.

Decomposition Products: Carbon oxides , Hydrogen chloride (trace amounts), Phosgene (trace amounts) or Chlorine (trace amounts).

SECTION 11 – TOXICOLOGICAL INFORMATION

Hazardous Ingredients	CAS #	EINECS #	LD 50 of Ingredient (Specify Species)	LC50 of Ingredient (Specify Species)
Tetrachloroethylene	127-18-4	No Data.	Oral LD50 Rat: 2629 mg/kg	Inhalation LC50 Mouse: 5200 mg/kg/4H;
Acetone	67-64-1	No Data.	Oral LD50 Rat: 5800 mg/kg	Inhalation LC50 Mouse: 44 g/m3/4H;
Carbon dioxide	124-38-9	No Data.	N/A	N/A

SECTION 12 – ECOLOGICAL INFORMATION

Hazardous Ingredients	Aquatic Toxicity Data
Tetrachloroethylene	96 Hr LC50 rainbow trout: 5.28 mg/L (static, 12 degrees C);96 Hr LC50 fathead minnow: 13.4 mg/L (flowthrough); 96 Hr LC50 bluegill: 12.9 mg/L (static)
Acetone	96 Hr LC50 rainbow trout: 5540 mg/L (static);96 Hr. LC50 fathead minnow: 6210 mg/L (flow-through);96 Hr. LC50 bluegill: 8300 mg/L (static)
Carbon dioxide	N/A

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: Should not be released into the environment. Dispose of in accordance with local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

Special Shipping Information: No Data.

Purview	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT (Land)	Consumer Commodity ORM-D	No Data	No Data.	No Data
IMO (Water)	Aerosols, Non-Flammable	UN1950	No Data.	2.2
ICAO (Air)	Aerosols, Non-Flammable	UN1950	No Data.	2.2

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: (Workplace Hazardous Material Information System)	B2, D2B
SARA Title III: (Superfund Amendments & Reauthorization Act)	Tetrachloroethylene
OSHA: (Occupational Safety & Health Administration)	See Section 2
TSCA: (Toxic Substance Control Act)	Present
VOC: (volatile Organic Compounds)	44.3%
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)	Present
CERCLA: (Comprehensive Response Compensation & Liability Act)	Tetrachloroethylene – 100 lb RQ, Acetone – 5000 lb RQ
IDL: (Canadian Ingredient Disclosure List)	No Data.
NFPA (HMIS) Rating: (Hazardous Materials Identification System)	Health=2; Fire=0; Reactivity=0 Personal protective equipment = B

SECTION 16 – OTHER INFORMATION

No Data.