



# MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Company Name</b> Nu-Calgon Wholesaler, Inc.	<b>Phone Number</b> (314) 469-7000 / (800) 554-5499	<b>CHEMTREC</b> (800) 424-9300		
<b>Street Address</b> 2008 Altom Court	<b>City</b> St. Louis	<b>State</b> MO	<b>Postal Code</b> 63146-4151	<b>Last Update</b> 10/20/12
<b>Product Name</b> Degreasing Solvent ef	<b>Product Number</b> 4162	<b>Product Use</b> Chlorinated Hydrocarbon Solvent		<b>EPA Registration #</b> N/A

## SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>% By Wt.</u>	<u>CAS Number</u>	<u>TLV</u>	<u>PEL</u>
Stoddard Solvent* (ORAL LD50 > 10mg/kg)	50-70%	8052-41-3	100ppm	100ppm
p-Chlorobenzotrifluoride(a)	5-15%	98-56-6	No Data.	No Data.
o-Chlorotoluene	15-30%	95-49-8	50ppm	250ppm
Perchloroethylene(b,c,d,e,f)	10-20%	127-18-4	25ppm	170ppm

\*STEL=200ppm

- a) This item is not identified in the available haz. chemicals guides. However, its characteristics parallel hazards of material that is identified; therefore, it will be so identified until further identification.
- b) Ingredient subject to reporting under Sec. 313 of Title III (SARA) and 40 CFR 372.
- c) RCRA has determined that the waste for this chemical is listed as hazardous and must be handled in accordance with 40 CFR 260-281.
- d) CERCLA has notification requirements for releases or spills to the environment of the Reportable Quantity (RQ 100lbs) or greater amounts (40CFR302).
- e) Material is on the NTP list of possible carcinogens, IRAC's list of possible carcinogens, OR is regulated by OSHA as a possible carcinogen.
- f) Indicates listing in Table Z-2, 29 CFR 1910.1000, detailing acceptable ceiling concentration limits and acceptable maximum peak above ceiling concentration for an 8-hour shift.
- All ingredients are TSCA listed.

## SECTION 3 – HAZARD IDENTIFICATION

**Emergency Overview:** Vapors are heavier than air and will collect in low areas. Use only in well-ventilated areas that will maintain air levels below limits established by federal, state, and local regulations.

### Potential Health Effects

**Eyes:** High vapor concentration or contact may cause irritation, discomfort or pain. May cause slight transient corneal injury.

**Skin:** Brief contact may cause slight irritation; prolonged contact may cause moderate irritation or dermatitis. Problem may be accentuated by liquid becoming trapped against the skin by contaminated clothing and shoes.

**Ingestion:** Swallowing this material may result in irritation of the mouth and GI tract. Vomiting and subsequent aspiration into the lungs may lead to chemical pneumonia and pulmonary edema which is a potentially fatal condition.

**Inhalation:** High concentrations are irritating to the respiratory tract; may cause headache, dizziness, nausea, vomiting or even death in confined or poorly ventilated areas. The primary effect of inhalation is narcosis.

**Chronic Exposure:** chronic exposure may cause liver, kidney or central nervous system damage. Perchloroethylene is a suspected cancer risk from animal studies, and is listed under IRAC as Group 28, possibly carcinogenic to humans.

**Carcinogenicity:** Perchloroethylene is a suspected cancer risk from animal studies, and is listed under IRAC as Group 28, possibly carcinogenic to humans.

**Medical Conditions Aggravated by Exposure:** ACUTE (Primary Route of Exposure) Acute effects are possible irritation and discomfort

## SECTION 4 – FIRST AID MEASURES

**Eyes:** Flush with water for 15 minutes, holding eyelids open; if irritation persists, seek medical attention.

**Skin:** Remove contaminated clothing; wash effected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

**Ingestion:** If conscious, drink large amounts of water; DO NOT INDUCE VOMITING; take immediately to hospital. Do not give anything by mouth to an unconscious person.

**Inhalation:** Remove victim to fresh air; provide oxygen if breathing is difficult; administer CPR if victim is not breathing; seek medical attention.

## SECTION 5 – FIREFIGHTING MEASURES

**Flash Point:** >60°C / >140°F

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

**Hazardous Products of Combustion:** No Data.

**Flammable Limits in Air:** LEL: 1.0; UEL 7.0

**Extinguishing Media:** Dry Chemical, foam, CO2, water, water fog

**Fire and Explosion Hazards:** Closed containers can explode due to buildup of pressure when exposed to extreme heat. Do not use direct stream of water. Caution: material is combustible.

**Special Firefighting Procedures:** Must wear full facepiece, self-contained breathing apparatus in positive pressure mode. Do not use solid stream of water; use fine water spray.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Spill or Leak:** COMBUSTIBLE Evacuate and ventilate area; confine and absorb into absorbent; place material into approved containers for disposal; for spills in excess of allowable limits (RQ) notify the National Response Center at (800) 424-8802; refer to CERCLA 40 CFR 302 and SARA Title III, Section 313 40 CFR 372 for detailed instructions concerning reporting requirements.

## SECTION 7 – HANDLING AND STORAGE

**Handling Procedures and Equipment:** minimize body contact with this product as well as all chemicals. Avoid inhaling concentrated fumes or vapors.

**Storage Requirements:** Material is combustible. Should be stored in tightly closed containers in cool, well ventilated area. Vapor may form explosive mixtures in air. All Sources of ignition should be controlled. Keep this and other chemicals out of reach of children

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** NIOSH-approved respirator must be worn if OSHA threshold limits exceeded.

**Eye Protection:** goggles with side shield. Glove: Solvent- resistant rubber or neoprene.

**Protective Clothing:** Safety eye bath nearby.

**Exposure Guidelines:** No Data.

**Specific Engineering Controls (such as ventilation, enclosed process):** Local and mechanical exhaust is required.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Form:</b> Liquid	<b>Freezing Point:</b> No Data.°C/No Data.°F	<b>% Volatile by Weight:</b> No Data.%
<b>Color:</b> Clear	<b>Vapor Density [air =1]:</b> 60-90 F: >1	<b>Evaporation Rate:</b> (ether=1): <1
<b>Odor:</b> Hydrocarbon odor	<b>Vapor Pressure:</b> mm Hg: 10 @ 20°C	<b>Specific Gravity:</b> H2O=1 @25 C: 0.9834
<b>Boiling Point:</b> 127-193°C/260-380°F	<b>Solubility in Water:</b> Negligible	<b>pH (concentrate):</b> N/A

## SECTION 10 – STABILITY AND REACTIVITY

**Chemical Stability:** No Data.

**Hazardous Polymerization:** Will not occur.

**Incompatibilities:** Strong oxidizers, strong acids.

**Reactive Conditions to avoid:** Stable/Extreme temperatures, open flame, sparks

**Decomposition Products:** Thermal decomposition may yield CO, CO2, HCL fumes

## SECTION 11 – TOXICOLOGICAL INFORMATION

<b>Hazardous Ingredients</b>	<b>CAS #</b>	<b>EINECS #</b>	<b>LD 50 of Ingredient</b> (Specify Species)	<b>LC50 of Ingredient</b> (Specify Species)
No Data.				

**SECTION 12 – ECOLOGICAL INFORMATION**

<u>Hazardous Ingredients</u>	<u>Aquatic Toxicity Data</u>
No Data.	

**SECTION 13 – DISPOSAL CONSIDERATIONS****Waste Disposal:** N/A**SECTION 14 – TRANSPORTATION INFORMATION****Special Shipping Information:** Flash point: >140°F / >60°C

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

**SECTION 15 – REGULATORY INFORMATION**

<b>WHMIS Classification:</b> (Workplace Hazardous Material Information System)	No Data.
<b>SARA Title III:</b> (Superfund Amendments & Reauthorization Act)	No Data.
<b>OSHA:</b> (Occupational Safety & Health Administration)	No Data.
<b>TSCA:</b> (Toxic Substance Control Act)	No Data.
<b>VOC:</b> (volatile Organic Compounds)	No Data.
<b>CPR:</b> (Canadian Controlled Products Regulations)	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations.
<b>EINECS:</b> (European Inventory of Existing Commercial Chemical Substances)	No Data.
<b>DSL / NDSL:</b> (Canadian Domestic Substance List)(Non-Domestic Substance List)	No Data.
<b>CERCLA:</b> (Comprehensive Response Compensation & Liability Act)	No Data.
<b>IDL:</b> (Canadian Ingredient Disclosure List)	No Data.
<b>NFPA (HMIS) Rating:</b> (Hazardous Materials Identification System)	Health Hazard 1; Fire Hazard 2; Reactivity 0

**SECTION 16 – OTHER INFORMATION**

Vapors are heavier than air and will collect in low areas. Use only in well-ventilated areas that will maintain air levels below limits established by federal, state, and local regulations. VOC Content (% by wt.): 100; Volatile Organic Comp (VOC's): 8.2 lbs/gal

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.