



MATERIAL SAFETY DATA SHEET

Degreasing Solvent ef

I - PRODUCT IDENTIFICATION

Company Name: Nu-Calgon Wholesaler, Inc.
Address: 2008 Altom Court, St. Louis, MO 63146-4151
Product Name: Degreasing Solvent ef
Synonyms: Chlorinated Hydrocarbon Solvent

Tel No: (314) 469-7000, (800) 554-5499
CHEMTREC: (800) 424-9300
Product Number: 4162

II - HAZARDOUS INGREDIENTS OF MIXTURES

<u>MATERIAL</u>	<u>CAS#</u>	<u>% By Wt</u>	<u>TLV</u>	<u>PEL</u>
Stoddard Solvent* (ORAL LD50 > 10mg/kg)	8052-41-3	60	100ppm	100ppm
p-Chlorobenzotrifluoride(a)	98-56-6	N/A	N/A	N/A
o-Chlorotoluene	95-49-8		50ppm	250ppm
Perchloroethylene(b,c,d,e,f)	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.

III - PHYSICAL DATA

Vapor Pressure: mm Hg: 10 @ 20 °C
Evaporation Rate: (ether=1): <1
Solubility in H₂O: Negligible
Freezing Point °F: N/A
Boiling Point °F: 260-380 ° F
Specific Gravity H₂O=1 @25° C: 0.9834

Vapor Density (Air=1) 60-90° F: >1
VOC Content (% by wt.): 100
pH @ Solution: N/A
Volatile Organic Comp (VOC's): 8.2 lbs/gal
pH as Distributed: N/A
Appearance: Clear Liquid
Odor: Hydrocarbon odor

IV - FIRE AND EXPLOSION

Flash Point F: >140 ° F (estimated) **Flammable Limits:** LEL: 1.0; UEL 7.0

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

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

Unusual 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.

V - REACTIVITY DATA

Stability - Conditions to avoid: Stable/Extreme temperatures, open flame, sparks

Incompatibility: Strong oxidizers, strong acids.

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

Conditions Contributing to Hazardous Polymerizations: Will not occur.

VI - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE (Medical Conditions Aggravated/Target Organ Effects),

A. ACUTE (Primary Route of Exposure) Acute effects are possible irritation and discomfort; 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.

B. SUBCHRONIC, CHRONIC, OTHER: 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. 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. EYES: High vapor concentration or contact may cause irritation, discomfort or pain. May cause slight transient corneal injury. INGESTION: Swallowing this material may result in irritation of the mouth and GI tract. Vomiting and subsequent aspiration in to the lungs may lead to chemical pneumonia and pulmonary edema which is a potentially fatal condition.

C. MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE :

VII - EMERGENCY AND FIRST AID PROCEDURES

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

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.

VIII - SPILL OR LEAK PROCEDURE

Spill Management: 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.

Waste Disposal Methods : N/A

IX - PROTECTION INFORMATION/CONTROL MEASURES

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

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

Other Clothing and Equipment : Safety eye bath nearby.

Ventilation: Local and mechanical exhaust is required.

X - SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storing : 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; minimize body contact with this product as well as all chemicals. Avoid inhaling concentrated fumes or vapors.

Additional 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.

NFPA

Health Hazard.....: 1

Fire Hazard.....: 2

Reactivity.....: 0

Specific Hazard ...:

HMIS RATING

Health Hazard.....: 1

Fire Hazard.....: 2

Reactivity.....: 0

Personal Protection...: X (Sec. 9)

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