

Material Safety Data Sheet

011

Non Flammable Cleaning Solvent

SECTION I - PRODUCT IDENTIFICATION

Manufacturer's Name: Roberts Capitol, Inc.
Address: 300 Cross Plains Blvd.
Dalton, GA 30721

Telephone No.: 706-277-5294
Product Class: Non Flammable Cleaning Solvent
Product Identity: 011 Safety Solvent
HMIS: H=2 F=1 R=0

SECTION 11 -HAZARDOUS COMPONENTS

	(BY Wt.)	PEL	TLV	CAS Number
Trichloroethylene	100.0	50 ppm	50 ppm	79-01-06

Sara Title III: Reportable
Trichloroethylene

SECTION III - PHYSICAL DATA

Initial Boiling Point: 189°F
Vapor Pressure: 100 mm Hg @ 68°F
Vapor Density: 4.53
Specific Gravity: 1.46
Percent Volatiles: 100%

Appearance: Clear, colorless liquid.
Odor: Scented, ether-like odor.

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point: NA
Explosive Limit: NA
Extinguishing Media: Waterfog

HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic materials: carbon dioxide and carbon monoxide, hydrogen chloride, Chlorine, phosgene, various hydrocarbons, etc.

SPECIAL FIRE FIGHTING PROCEDURES: Water may be used to keep fire exposed containers cool until fire is out. Wear self contained breathing apparatus with full face piece operated in pressure-demand or other positive pressure mode when fighting fires.

UNUSUAL FIRE AND EXPLOSION HAZARD: Never use welding or cutting torch on or near cans (even empty) because resultant pressure could rupture. Empty cans should be incinerated.

SECTION V - HEALTH HAZARD DATA

Permissible Exposure Level: 50 ppm
Threshold limit value: 50 ppm

EFFECTS OF EXPOSURE: **Eyes:** Can cause severe irritation, redness, tearing, blurred vision. **Skin:** Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis. **Breathing:** Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation. **Swallowing:** Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Chronic Exposure:

Chronic exposures may cause liver, kidney, central nervous system, and peripheral nervous system effects. Workers chronically exposed may exhibit central nervous system depression, intolerance to alcohol, and increased cardiac output. This material is linked to mutagenic effects in humans. This material is also a suspect carcinogen.

The substance is toxic to kidneys, the nervous system, liver, heart, upper respiratory tract.

CARCINOGENIC EFFECTS: Classified + (PROVEN) by OSHA. Classified A5 (Not suspected for human.) by ACGIH.

FIRST AID: **Skin:** Soap and water. **Eyes:** Flush with water, lifting upper and lower lids occasionally. **Ingestion:** Do not induce vomiting. Call physician or transport to an emergency facility. **Inhalation:** If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. USE ONLY IN WELL VENTILATED AREAS.

SECTION VI - REACTIVITY DATA

Hazardous Polymerization: None known.

Stability: Stable.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material and transfer to hood. Allow volatile portion to evaporate in hood. Allow sufficient time for vapors to completely clear hood duct work. Dispose of remaining material in accordance with applicable regulations.

SECTION VIII - PROTECTIVE EQUIPMENT

VENTILATION: Adequate ventilation is essential to prevent vapor buildup. Open all available windows and entrances to insure good ventilation. Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV. **RESPIRATOR PROTECTION:** Adequate ventilation is normally sufficient. If TLV of the product or any component is exceeded or eyes begin to water or dizziness or headaches are experienced, increase fresh air supply, wear an NIOSH approved respirator, or leave the area. Engineering or administrative controls should be implemented to reduce exposure. **PROTECTIVE GLOVES:** Wear protective gloves to prevent skin contact. **EYE PROTECTION:** Wear glasses or protective goggles to avoid splashes.

OTHER PROTECTIVE EQUIPMENT: None required. WASH HANDS THOROUGHLY WITH SOAP AND WATER

SECTION IX - SPECIAL PRECAUTIONS:

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

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WARNING! Contains Trichloroethylene. Aluminum equipment should not be used for storage or transfer. Contact with aluminum parts in a pressurized fluid system may cause violent reactions. Trichloroethylene is a substance which is classified as a group 2A (probably carcinogenic to humans) substance by the International Agency for Research on Cancer (IARC). IARC concluded that there is "limited" evidence of carcinogenicity in humans on the basis of the results of some of the available epidemiological studies. According to ACGIH, trichloroethylene is "not suspected as a human carcinogen" (category A5), as the substance has been demonstrated by well controlled epidemiological studies not to be associated with any increased risk of cancer in exposed humans. Trichloroethylene is listed under California's Proposition 65.

KEEP OUT OF REACH OF CHILDREN. Use only in applications as stated on the label. Do not take internally. Close container after each use. Avoid skin and eye contact. Do not store in aluminum products. Contact with aluminum parts in a pressurized fluid system may cause violent reactions.

SECTION X – SHIPPING DATA:

D.O.T. Proper Shipping Name (49CFR172.101-102): TRICHLOROETHYLENE.

D.O.T. Hazard Classification (49CFR 172.101-102):

Class: 6.1 Packing Group: III

D.O.T. Labels Required (49CFR172.101-102): Keep Away From Food.

D.O.T. Placards Required (CFR172.504): Keep Away From Food.

Poison Constituent (49CFR172.203(K)): None.

Bill of Lading Description: Toxic liquid, organic, n.o.s. (Trichloroethylene).

UN/NA Code: 1710

Roberts Capitol, Inc. believes the data set forth herein are accurate as of the date hereof, and makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation and verification.

Date: 02/18/09

Prepared by: M. King

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