

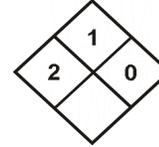
MATERIAL SAFETY DATA SHEET

PRODUCT _____ PURO _____



NFPA HAZARD RATINGS*

Health	2	Moderate health hazard
Fire	1	Slightly combustible
Stability	0	Stable



SECTION 1: PRODUCT INFORMATION

Manufacturer: ADCO Cleaning Products LLC, 900 W. Main, Sedalia, MO 65301 (660) 826-3300
 EMERGENCY TELEPHONE NUMBERS: CHEMTREC (800) 424-9300 24 HRS 7 DAYS A WEEK; ADCO (800) 821-7556 (8-5 M-F)
 Intended Product Use: Stain removal agent for use in drycleaning only.
 Synonyms: Volatile dry solvent, VDS

SECTION 2: HAZARDOUS INGREDIENTS

Chemical Name	%	CAS #	OSHA PEL	LD 50
Trichloroethylene	<100	79-01-6	50 ppm TWA	oral: 4920 mg/kg (rat)

SECTION 3: PHYSICAL DATA

Appearance: Colorless Liquid
 Odor: Sweet, like ether
 Specific Gravity (20° C): 1.462
 pH: Not applicable
 Boiling Point: 189°F
 Solubility in Water: 0.1g/100g @ 20°C
 Vapor Pressure (mm Hg): 60 @ 20°C
 Vapor Density: Heavier than air

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): >230 (TCC)
 Extinguishing Media: Self-extinguishing
 Special Fire Fighting Procedures: Use water spray to keep fire-exposed containers cool. Wear self-contained breathing apparatus.
 Unusual Fire and Explosion Hazards: Vapors may develop a flammable atmosphere in confined areas. May decompose to hydrochloric acid at high temperatures in fire.
 Upper Flammable Limit: No data
 Lower Flammable Limit: No data

SECTION 5: REACTIVITY DATA

Stability: Stable
 Conditions to Avoid: High temperatures may induce thermal decomposition. Avoid open flames. Welding arcs should not be used.
 Incompatibility (materials to avoid): Strong oxidizers, aluminum, or zinc coated containers.
 Hazardous Decomposition Products: Hydrogen chloride, phosgene, and other toxic fumes may be produced on burning vapors.
 Hazardous Polymerization: Will not occur.

SECTION 6: HEALTH HAZARD DATA

Toxicity (Estimated): Very low: oral LD 50: >4920 mg/kg skin absorption
 Effects of Overexposure:
 Acute: Contact with eyes, prolonged or repeated contact with skin may cause irritation, redness, and drying. Breathing a high concentration of vapors may cause irritation of the nose and throat, dizziness, nausea, or loss of coordination.
 Chronic: None
 Carcinogenicity: Trichloroethylene component rated "2A" IARC - "C" NTP - human carcinogen on CA list

*Hazard ratings and other information are based on latest available information from tests on product or ingredients of mixtures. The data and evaluations are accurate to the best of ADCO's knowledge. No guarantee or liability is expressed or implied.

EXPOSURE LIMITS 50 ppm TWA (trichloroethylene)	IRRITANCY OF PRODUCT Slight eye and skin	SENSITIZATION TO PRODUCT None known	CARCINOGENICITY Trichloroethylene component rated "2A" IARC - "C" NTP - human carcinogen on CA list
TERATOGENICITY No effects reported	REPRODUCTIVE TOXICITY No effects reported	MUTAGENICITY None reported	SYNERGISTIC PRODUCTS None reported

Based on known toxicity of components. No test data available on mixture.

SECTION 7: PREVENTATIVE MEASURES

SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required when used as directed with adequate ventilation.

When cleaning up large spills in confined area, self-contained breathing apparatus is recommended.

Ventilation: Normal industrial ventilation is adequate.

Protective Gloves: Ordinarily not needed. Use chemically resistant gloves when contact is prolonged or frequent.

Eye Protection: Use goggles or face mask if splashing is likely.

Other protection equipment ordinarily not needed. Availability of eye washes and adequate ventilation in work areas recommended.

STORAGE AND HANDLING:

Store in closed containers in a well ventilated area. Aluminum equipment should not be used for storage or transfer. Keep containers closed when not in use.

SPILL OR LEAK PROCEDURES:

Small spills - wipe up. Large spills - soak up on absorbent material and transfer into resealable containers for disposal.

WASTE DISPOSAL METHOD:

Liquid product or absorbents containing this product must be disposed of in accordance with applicable local, state and federal regulations for chlorinated hydrocarbons.

RECOMMENDED PRECAUTIONARY LABELING:

CAUTION:

Use with adequate ventilation. Avoid contact with skin and eyes. Avoid prolonged breathing of vapors. Harmful if swallowed.

FIRST AID:

If overcome by vapors, remove person to fresh air. In case of contact with eyes, flush for 15 minutes with water. Wash off of skin with soap and water. If swallowed, do NOT induce vomiting. Call physician immediately.

KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

This product is intended for professional use only by trained personnel.

SECTION 8: FIRST AID

Inhalation: Remove person overcome by vapors to fresh air.

Eyes: Flush eyes for 15 minutes with water.

Skin: Wash off of skin with soap and water.

Ingestion: Do NOT induce vomiting.

IF SYMPTOMS PERSIST, SEEK MEDICAL ASSISTANCE

SECTION 9: SARA TITLE III

NOTE: This product does contain some components which are under the reporting requirements of SARA Title III, Section 313. If you are required to report discharges using Form R, SARA Title III, Section 313, information is available on amounts of reportable components.

SECTION 10: PREPARATION DATE

This information is provided for guidance only based on information we have compiled. No guarantee of accuracy or completeness is expressed or implied.

ADCO RESEARCH DEPARTMENT

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