

# SAFETY DATA SHEET

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Semi Wet

**OTHER MEANS OF IDENTIFICATION:** Not applicable.

**GENERAL USE:** For professional drycleaning use only.

**PRODUCT DESCRIPTION:** Stain Removal Agent

### MANUFACTURER

Adco Professional Products LLC

1706 Ledo Rd.

Albany, GA 31707

**Product Information:** 800-821-7556 (USA  
& Canada only)

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**Medical Emergency:** 866-303-6947 (USA & Canada  
only) or 651-632-9272

**Transportation Emergency:** 800-424-9300 (USA &  
Canada only) or 703-527-3887

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## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Skin Corrosion/Irritation: Category 2

Eye Damage/Irritation: Category 1

Specific Target Organ Toxicity (STOT-SE) Narcotic Effects: Category 3

Germ Cell Mutagenicity: Category 2

Carcinogenicity: Category 1A

Aspiration Hazard: Category 1

### GHS LABEL ELEMENTS

**Symbol(s):**



**Signal Word:** Danger

### Hazard Statements:

H304 – May be fatal if swallowed and enters airways.

H315 – Causes skin irritation.

H318 – Causes serious eye irritation.

H336 – May cause drowsiness or dizziness.

H341 – Suspected of causing genetic defects.

H350 – May cause cancer.

### Precautionary Statements:

P201 – Obtain special instructions before use.

P202 – Do not handle until all safety precautions have been read and understood.

P261 – Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 – Wash skin thoroughly after handling.

P271 – Use only outdoors or in a well-ventilated area.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310+P331 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Do NOT induce vomiting.

P302+P352 – IF ON SKIN: Wash with plenty of soap and water.

P304+P340+P312 – IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

P305+P351+P338+P310 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF IN EYES: Immediately call a POISON CENTER or doctor/physician.

P308+P313 – IF exposed or concerned: Get medical advice/ attention.

P332+P313 – If skin irritation occurs: Get medical advice/ attention.

P362+P364 – Take off contaminated clothing and wash before reuse.

P403+P233 – Store in a well-ventilated place. Keep container tightly closed.

P501 – Dispose of contents and container to licensed, permitted incinerator, or other thermal destruction device.

**Other Hazards:** Not available.

**Unknown Acute Toxicity:** Not applicable.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

The specific identities of one or more components of this product are withheld as a trade secret.

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>
Trichloroethylene	<75	79-01-6
Trade Secret #1	-	-
Trade Secret #2	-	-
Trade Secret #3	-	-
Trade Secret #4	-	-
Trade Secret #5	-	-

**Comments:** None.

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**SKIN:** Remove contaminated clothing. Wash with water. Consult a physician if irritation persists.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Remove affected person to fresh air. If not breathing, give artificial respiration. Get medical attention.

**NOTES TO PHYSICIAN:** Only administer adrenaline after careful consideration following overexposure. Increased sensitivity of the heart to adrenaline may be caused by overexposure to this product. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

#### **SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Pain, burning sensation, redness, swelling, blurred vision, and irritation.

**SKIN:** Pain, burning sensation, redness, swelling, blisters, drying, cracking, dermatitis.

**SKIN ABSORPTION:** Insufficient data available.

**INGESTION:** Drowsiness, diarrhea, vomiting, and central nervous system depression. May result in irritation to mouth and gastrointestinal tract,

**INHALATION:** Central nervous system depressant. Inhalation can cause irritation of the respiratory tract, dizziness, nausea, headache, loss of coordination and equilibrium.

**ADDITIONAL INFORMATION:** After emergency actions, call the emergency medical information number on page 1 or a physician immediately.

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Not applicable.

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, foam, water spray or fog.

**HAZARDOUS COMBUSTION PRODUCTS:** Emits toxic fumes under fire conditions. Hydrogen chloride, phosgene.

**OTHER CONSIDERATIONS:** Concentrated vapor can be ignited by high-intensity ignition source. Vapors may travel to source of ignition and flash back. Containers may explode when heated. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Clean up spill with absorbent material and water, if necessary.

**LARGE SPILL:** Contain spill. Provide plenty of fresh air. Avoid breathing vapor. Clean up spills immediately with absorbent material, observing precautions in the Exposure Controls/Personal Protection section (see section 8). Place absorbed material in closed containers for disposal (see section 13). Do not flush to sewer. Avoid contamination of ground and surface waters.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Not applicable.

**HANDLING:** Follow all SDS/label precautions even after container is emptied because it may retain product residues.

**STORAGE:** Store in a cool, well-ventilated area. Store in labeled, tightly sealed containers.

**ELECTROSTATIC ACCUMULATION HAZARD:** Ground and bond containers when transferring material.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE GUIDELINES:**

**OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)**

	<b>EXPOSURE LIMITS</b>						
		<b>OSHA PEL</b>		<b>ACGIH TLV</b>		<b>Supplier OEL</b>	
		<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>
Trichloroethylene	<b>TWA</b>	100		10 <sup>[1]</sup>			
	<b>STEL</b>	200 <sup>[2]</sup>		25			
trade Secret #1	<b>TWA</b>	NE <sup>[3]</sup>		NE			
	<b>STEL</b>	NE		NE			
Trade Secret #2	<b>TWA</b>	NE		C 25			
	<b>STEL</b>	NE		NE			

Trade Secret #3	<b>TWA</b> NE	NE
	<b>STEL</b> NE	NE
Trade Secret #4	<b>TWA</b> NE	50 <sup>[4]</sup>
	<b>STEL</b> NE	NE
Trade Secret #5	<b>TWA</b> 50	20 <sup>[5]</sup>
	<b>STEL</b> NE	NE

#### TABLE FOOTNOTES

1. A2: Suspected human carcinogen.
2. Ceiling concentration. A 300 ppm peak concentration is allowed for 5 minutes in any 2-hour period.
3. NE=Not established.
4. Skin notation.
5. A3: Confirmed animal carcinogen with unknown relevance to humans.

**The specific identities of one or more components of this product are withheld as a trade secret.**

**ENGINEERING CONTROLS:** Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses with side shields, or goggles.

**SKIN:** Neoprene or Barrier™ gloves.

**RESPIRATORY:** NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

**PROTECTIVE CLOTHING:** Where contact is likely, wear the appropriate chemical resistant equipment, which depending on circumstances may include gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

**WORK HYGIENIC PRACTICES:** Wash thoroughly after handling. Do not eat or drink in work area.

**OTHER USE PRECAUTIONS:** Have eye wash station available. Do not wear contact lenses without eye protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Semi-clear.

**PHYSICAL STATE:** Liquid.

**COLOR:** Colorless.

**ODOR:** Sweet, like ether.

**ODOR THRESHOLD:** No data available.

**pH:** 7.0-7.5 (20:80 in IPA/H<sub>2</sub>O Soln.)

**FREEZING POINT:** No data available.

**INITIAL BOILING POINT:** 87°C (188°F)

**FLASHPOINT:** >110°C (230°F) (TCC)

**EVAPORATION RATE:** No data available.

**FLAMMABILITY (Solid, Gas):** Not applicable, this product is a liquid at room temperature.

**FLAMMABLE LIMITS:** No data available.

**VAPOR PRESSURE:** 60 mm Hg at 20°C

**VAPOR DENSITY:** No data available.

**RELATIVE DENSITY:** 1.25

**SOLUBILITY IN WATER:** Forms an emulsion.

**PARTITION COEFFICIENT (Log K<sub>ow</sub>):** No data available.

**AUTOIGNITION TEMPERATURE:** No data available.

**DECOMPOSITION TEMPERATURE:** No data available.

**VISCOSITY:** 4 cP

**PERCENT VOLATILE:** ~95

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## 10. STABILITY AND REACTIVITY

**REACTIVITY:** No.

**CHEMICAL STABILITY:** Stable.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Polymerization will not occur.

**CONDITIONS TO AVOID:** High temperatures may induce thermal decomposition. Avoid hot surfaces and open flames. Welding arcs should not be used.

**INCOMPATIBLE MATERIALS:** Strong alkalies, strong acids, oxidizers, sodium, potassium, lithium, aluminum, barium, magnesium titanium, and zinc coated containers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen chloride, phosgene, irritating fumes at high temperatures.

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## 11. TOXICOLOGICAL INFORMATION

**ROUTES OF EXPOSURE:** Inhalation and skin.

### ACUTE TOXICITY (ATE)

**DERMAL LD<sub>50</sub>:** > 2,000 mg/kg (rabbit)

**ORAL LD<sub>50</sub>:** > 2,000 mg/kg (rat)

**INHALATION LD<sub>50</sub>:** Insufficient data available.

### CHRONIC TOXICITY

**TARGET ORGANS:** Overexposure can lead to kidney and liver damage. May effect blood (hemolysis) and spleen.

**SENSITIZATION:** Insufficient data available.

### CARCINOGENICITY

**IARC:** Trichloroethylene is classified as Group 1 (Carcinogenic to humans).

**NTP:** Trichloroethylene is reasonably anticipated to be a human carcinogen.

**OSHA:** Not listed as a carcinogen.

**OTHER:** ACGIH: A2 – Limited epidemiology data have shown a weak association between trichloroethylene exposure and renal cancer.

**OTHER:** No data available.

**REPRODUCTIVE EFFECTS:** A minor component of this product causes paternal subcutaneous spermatogenic toxicity in rats.

**MUTAGENICITY:** Laboratory experiments have shown mutagenic effects. In vitro tests showed mutagenic effects.

**SYNERGISTIC MATERIALS:** No data available.

### POTENTIAL HEALTH EFFECTS

**EYES:** May cause permanent eye damage including blindness.

**SKIN:** Prolonged or repeated contact may cause dermatitis.

**SKIN ABSORPTION:** Harmful if absorbed through the skin.

**INGESTION:** May be harmful if swallowed. In the case of vomiting, product may be aspirated into lungs causing chemical pneumonia, which in extreme cases could lead to death. See section 4, First Aid Measures, for more information.

**ASPIRATION HAZARD:** Yes,

**INHALATION:** Inhalation can cause unconsciousness and even death in confined or poorly ventilated areas.

**MEDICAL CONDITIONS AGGRAVATED:** Preexisting conditions of the eyes, skin, and respiratory system.

**GENERAL COMMENTS:** Refer to Section 3 for additional information on potential health effects.

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## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY:** A component of this product has moderate aquatic toxicity.

**PERSISTENCE AND DEGRADABILITY:** Insufficient data available.

**BIOACCUMULATIVE POTENTIAL:** Insufficient data available.

**MOBILITY IN SOIL:** Components of this product have high mobility in soil.

**OTHER ADVERSE EFFECTS:** No data available.

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## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Recovered liquids may be sent to a licensed reclaimer or incineration facility. Contaminated material must be disposed of in a permitted management facility. Consult federal, state, and local authorities for approved procedures.

**EMPTY CONTAINER:** Not applicable.

**RCRA/EPA WASTE INFORMATION:** Contains material(s) listed by RCRA as a hazardous waste.

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## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Trichloroethylene

**TECHNICAL NAME:** None.

**PRIMARY HAZARD CLASS/DIVISION:** 6.1

**UN/NA NUMBER:** UN1710

**PACKING GROUP:** III

**LABEL:** Toxic

**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** 16 gal

**OTHER SHIPPING INFORMATION:** No data available.

### CANADA TRANSPORT OF DANGEROUS GOODS

**PROPER SHIPPING NAME:** Trichloroethylene

**PRIMARY HAZARD CLASS/DIVISION:** 6.1

**UN/NA NUMBER:** UN1710

**PACKING GROUP:** III

**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** 8 gal

**LABEL:** Toxic

**OTHER SHIPPING INFORMATION:** No data available.

### AIR (ICAO/IATA)

**PROPER SHIPPING NAME:** Trichloroethylene

**PRIMARY HAZARD CLASS/DIVISION:** 3

**UN/NA NUMBER:** UN1710

**PACKING GROUP: III****LABEL:** Toxic**PLACARD:** Consult applicable regulations governing air shipments.**IATA NOTE:** Consult applicable regulations for packaging requirements and quantity limitations.**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:****FIRE:** No. **PRESSURE GENERATING:** No. **REACTIVITY:** No. **ACUTE:** Yes.  
**CHRONIC:** Yes.**313 REPORTABLE INGREDIENTS:** Trichloroethylene is reportable.**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA RQ:** Trichloroethylene has an RQ of 100 lbs.**REPORTABLE SPILL QUANTITY:** 16 gals**RCRA STATUS:** See section 13.**MEXICO**

Regulated for transportation.

**STATE REGULATIONS****MASSACHUSETTS**

Contains one or more substances regulated by the Massachusetts Substance List.

**CALIFORNIA****PROPOSITION 65 STATEMENT:** Trichloroethylene is on the Proposition 65 list of chemicals known to the State of California to cause cancer.**16. OTHER INFORMATION**

<b>HMIS RATINGS</b>	
HEALTH:	3
FLAMMABILITY:	1
REACTIVITY:	0
PERSONAL PROTECTION:	H

**NFPA RATINGS**