

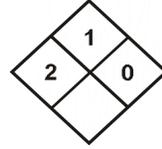
MATERIAL SAFETY DATA SHEET

PRODUCT SILK RESTORER



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: Fabric finishing agent for drycleaning  
 Synonyms: "Silk Magic"

SECTION 2: HAZARDOUS INGREDIENTS

Chemical Name	%	CAS #	OSHA PEL	LD 50
Tetrachloroethylene	proprietary	127-18-4	25 ppm TWA	oral: >5000 mg/kg (rat) dermal: >10,000 mg/kg (rabbit)

SECTION 3: PHYSICAL DATA

Appearance: Clear liquid Boiling Point: 121.1°C (250°F)  
 Odor: Sweet, ethereal Solubility in Water: Insoluble  
 Specific Gravity (20° C): 1.54 Vapor Pressure (mm Hg): 14.4  
 pH (20:80 in IPA/H2O Soln.): 8.0 - 8.5 Vapor Density: No data

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): >230 (TCC) Upper Flammable Limit: No data  
 Extinguishing Media: Compatible with all types Lower Flammable Limit: No data  
 Special Fire Fighting Procedures: Use water spray to keep fire-exposed containers cooled. Wear self-contained breathing apparatus.  
 Unusual Fire and Explosion Hazards: Exposure of product to high temperatures may produce toxic and irritating fumes.

SECTION 5: REACTIVITY DATA

Stability: Stable Conditions to Avoid: Exposure of vapors to high heat or open flame  
 Incompatibility (materials to avoid): None  
 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): Slightly toxic  
 Effects of Overexposure: Acute: Exposure to high concentrations of vapors can cause dizziness, eye irritation, headache, and nausea. Prolonged or repeated contact with skin may cause drying and irritation.  
 Chronic: None  
 Carcinogenicity: Tetrachloroethylene component rated IARC - "C" NTP - animal 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 25 ppm TWA (perchloroethylene)	IRRITANCY OF PRODUCT Slight eye and skin	SENSITIZATION TO PRODUCT None reported	CARCINOGENICITY Tetrachloroethylene component rated IARC - "C" NTP - animal 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 areas, self-contained breathing apparatus is recommended.

Ventilation: Normal industrial ventilation is adequate.

Local exhaust at work station recommended.

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:** Avoid exposure of vapors to high heat or open flame.

**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 products 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 prolonged breathing of vapors. Avoid contact with skin and eyes. Harmful if swallowed.

#### FIRST AID:

Remove person overcome by vapors 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.

In California, add "Contains perchloroethylene known to the state of California to cause cancer."

**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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