

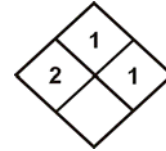
MATERIAL SAFETY DATA SHEET

PRODUCT 28% Acetic Acid



NFPA HAZARD RATINGS\*

Table with 2 columns: Hazard Category and Rating. Rows: Health (2 Moderate Health Hazard), Fire (1 Slightly combustible), Reactivity (1 Slightly reactive)



SECTION 1: PRODUCT INFORMATION

Manufacturer: ADCO, Inc., 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 laundry and drycleaning
Synonyms: Aqueous acetic acid

SECTION 2: HAZARDOUS INGREDIENTS

Table with 5 columns: Chemical Name, %, CAS #, OSHA PEL, LD 50. Row: acetic acid, 28, 64-19-17, 10 ppm, oral: 3.53 gm/kg

SECTION 3: PHYSICAL DATA

Appearance: Water white liquid
Odor: Sharp, like vinegar
Specific Gravity (20° C): 1.039
pH (Water Solution): 1.77
Boiling Point (°C): 99-110
Solubility in Water: Complete
Vapor Pressure (mm Hg): <11
Vapor Density: Heavier than air

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): None (PM)
Upper Flammable Limit: No data
Lower Flammable Limit: No data
Extinguishing Media: Use water spray, carbon dioxide, dry chemical or universal type foam.
Special Fire Fighting Procedures: Use water spray to cool fire-exposed structures if fire is not present. Use self-contained breathing apparatus and protective clothing.
Unusual Fire and Explosion Hazards: None

SECTION 5: REACTIVITY DATA

Stability: Stable
Conditions to Avoid: None
Incompatibility (materials to avoid): Alkalis, amines, nitric acid
Hazardous Decomposition Products: Burning can produce carbon monoxide and/or carbon dioxide.
Hazardous Polymerization: Will not occur

SECTION 6: HEALTH HAZARD DATA

Toxicity (Estimated): Very low
Effects of Overexposure: Acute: Contact with eyes or skin can cause burns. Vapors may cause irritation to eyes, nose and respiratory system.
Chronic: None currently known
Carcinogenicity: None of the ingredients of this mixture have been identified as a carcinogen or probable carcinogen by ACGIH, IARC, or OSHA.

\*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 10 ppm TWA (acetic acid)	IRRITANCY OF PRODUCT eyes, skin, inhalation	SENSITIZATION TO PRODUCT None reported	CARCINOGENICITY No components are listed by ACGIH, IARC, or OSHA
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.

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:** Keep away from heat and open flames. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

**SPILL OR LEAK PROCEDURES:** Small spills: flush to sewer with water. Large spills: soak up on absorbent material and transfer to resealable containers for disposal. Neutralize trace amounts of acetic acid with lime or sodium bicarbonate.

**WASTE DISPOSAL METHOD:** Neutralize and flush to sewer with water or incinerate in compliance with all local, state and federal regulations for corrosive, combustible wastes.

### RECOMMENDED PRECAUTIONARY LABELING:

#### CAUTION:

DANGER. Contact with skin or eyes can cause burns. Can be harmful if swallowed or inhaled.

#### FIRST AID:

Remove person overcome by vapors to fresh air. In case of contact, flush eyes or skin 15 minutes with water. If swallowed, give large quantities of water or milk. Do NOT induce vomiting. Call physician.

**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 with water at least 15 minutes.

Skin: Flush skin 15 minutes with water.

Ingestion: Give large amounts of water or milk. Do NOT induce vomiting. Call physician.

IF SYMPTOMS PERSIST, SEEK MEDICAL ASSISTANCE

## SECTION 9: SARA TITLE III

NOTE: This product may 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

Prepared by: \_\_\_\_\_

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Date: January 5, 2000

Replaces MSDS of: October 19, 1992