

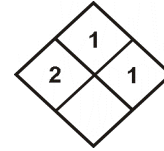
MATERIAL SAFETY DATA SHEET

PRODUCT Acetic Acid, 28%



NFPA HAZARD RATINGS*

Health	2	Moderate health hazard
Fire	1	Slightly combustible
Stability	1	Slightly instable



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 laundry and drycleaning
 Synonyms: Aqueous acetic acid

SECTION 2: HAZARDOUS INGREDIENTS

Chemical Name	%	CAS #	OSHA PEL	LD 50
acetic acid	28	64-19-7	10 ppm TWA	oral: 3.53 g/kg (rat)

SECTION 3: PHYSICAL DATA

Appearance: Water white liquid Boiling Point: 212°F
 Odor: Sharp, like vinegar Solubility in Water: Complete
 Specific Gravity (20° C): 1.039 Vapor Pressure (mm Hg): <11
 pH (Straight): 1.77 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-controlled 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): 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 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 Severe eyes and skin	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 exhaust 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, then flush to sewer or dispose of material and containers in accordance with all local, state, and federal regulations.

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 for 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 eyes for at least 15 minutes with water.

Skin: Wash off of skin with soap and water.

Ingestion: Do NOT induce vomiting. If swallowed, do NOT induce vomiting. Call physician.

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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Replaces MSDS of: December 22, 2008