

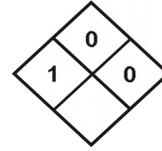
MATERIAL SAFETY DATA SHEET

PRODUCT VIVIA



NFPA HAZARD RATINGS\*

Health	1	Slight health hazard
Fire	0	Noncombustible
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: Laundry starch for textiles  
 Synonyms: None

SECTION 2: HAZARDOUS INGREDIENTS

Chemical Name	%	CAS #	OSHA PEL	LD 50
vinyl acetate monomer	<0.35	108-05-4	10 ppm TWA	No data

SECTION 3: PHYSICAL DATA

Appearance: White emulsion Boiling Point: 212°F  
 Odor: Bland Solubility in Water: Miscible  
 Specific Gravity (20° C): 1.12 Vapor Pressure (mm Hg): No data  
 pH (20:80 in IPA/H<sub>2</sub>O Soln.): 5.6-6.6 Vapor Density: No data

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): >230 (PM) Upper Flammable Limit: No data  
 Lower Flammable Limit: No data  
 Extinguishing Media: Compatible with all types.  
 Special Fire Fighting Procedures: Cool fire exposed containers with water spray.  
 Unusual Fire and Explosion Hazards: Product may splatter if temperature exceeds boiling point.

SECTION 5: REACTIVITY DATA

Stability: Stable Conditions to Avoid: None  
 Incompatibility (materials to avoid): Strong oxidizers.  
 Hazardous Decomposition Products: Carbon dioxide & carbon monoxide in a fire.  
 Hazardous Polymerization: Will not occur

SECTION 6: HEALTH HAZARD DATA

Toxicity (Estimated): Very low  
 Effects of Overexposure: Acute: May cause irritation if splashed in eyes or on prolonged contact with skin. Amounts ingested incidental to industrial handling are not likely to cause injury. However, ingestion of larger amounts could cause serious injury, even death.  
 Chronic: None  
 Carcinogenicity: Vinyl acetate monomer is listed as an A3 animal carcinogen by ACGIH.

\*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 (vinyl acetate monomer)	IRRITANCY OF PRODUCT Slight eye and skin	SENSITIZATION TO PRODUCT None reported	CARCINOGENICITY vinyl acetate monomer is listed as an A3 animal carcinogen by ACGIH
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.

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 plastic containers and use plastic pump. Protect from freezing.

**SPILL OR LEAK PROCEDURES:** Larger spills - soak up on absorbent material and transfer to containers for disposal as a nonhazardous waste.  
Small spills - flush to sewer with water.

**WASTE DISPOSAL METHOD:** Nonhazardous. Flush to sewer or dispose of materials and container in nonhazardous municipal landfill in compliance with all local, state, and federal regulations.

### RECOMMENDED PRECAUTIONARY LABELING:

#### CAUTION:

Splashing into eyes, prolonged or repeated contact with skin may cause irritation.

#### FIRST AID:

In case of contact, flush eyes for 15 minutes with water. Wash off of skin with soap and water. If swallowed, induce vomiting immediately by giving two (2) glasses of water and pressing fingers down throat. Do not give liquids to an unconscious person.

**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: No treatment necessary.

Eyes: Flush eyes for 15 minutes with water.

Skin: Wash off of skin with soap and water.

Ingestion: If swallowed, induce vomiting immediately by giving two glasses of water and pressing fingers down throat.

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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