

MATERIAL SAFETY DATA SHEET

PRODUCT Ban-Tan

Laidlaw

HMIS HAZARD RATINGS:

Health 1
Flammability 1
Physical hazards 0



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: Tannin spot and stain remover
Synonyms: None

SECTION 2: HAZARDOUS INGREDIENTS

Chemical Name	%	CAS #	OSHA PEL	LD 50
Citric acid (dilute solution)	13-16	77-92-9	None listed	oral: 975 mg/kg (rat)

SECTION 3: PHYSICAL DATA

Appearance: <u>Clear, water-white to pale yellow liquid</u>	Boiling Point: <u>212°F</u>
Odor: <u>Sharp, sweet odor</u>	Solubility in Water: <u>Soluble</u>
Specific Gravity (20° C): <u>1.058</u>	Vapor Pressure (mm Hg): <u>No data</u>
pH (5% Aqueous Soln.): <u>2-3</u>	Vapor Density: <u>Heavier than air</u>

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): <u>>230 (TCC)</u>	Upper Flammable Limit: <u>No data</u>
Extinguishing Media: <u>Dry chemical, carbon dioxide, foam, water fog - Compatible with all types</u>	Lower Flammable Limit: <u>No data</u>
Special Fire Fighting Procedures: <u>Avoid directing strong water stream into material - may cause foaming. Wear self-contained breathing apparatus when fighting fires in confined areas.</u>	
Unusual Fire and Explosion Hazards: <u>None</u>	

SECTION 5: REACTIVITY DATA

Stability: <u>Stable</u>	Conditions to Avoid: <u>Storage at temperatures above 120°F (48.8°C)</u>
Incompatibility (materials to avoid): <u>Strong oxidizers</u>	
Hazardous Decomposition Products: <u>Burning produces toxic, irritating fumes.</u>	
Hazardous Polymerization: <u>Will not occur</u>	

SECTION 6: HEALTH HAZARD DATA

Toxicity (Estimated): <u>Low</u>	
Effects of Overexposure:	Acute: <u>May cause drying or irritation if splashed into eyes or on prolonged or repeated contact with skin.</u>
	Chronic: <u>None</u>
Carcinogenicity: <u>None of the ingredients of this mixture have been identified as a carcinogen or probable carcinogen by ACGIH, IARC, or OSHA.</u>	

[†]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 See Section II	IRRITANCY OF PRODUCT Slight eye 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 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 at temperatures below 120°F. Do not store or dispense in aluminum or iron equipment. Use glass, plastic, or stainless steel liners and containers. Clean up spills on walkways to prevent slick spots.

SPILL OR LEAK PROCEDURES: Small spills may be flushed to sewer with water. Large spills should be soaked up on absorbent material and transferred to containers for disposal as nonhazardous waste.

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

RECOMMENDED PRECAUTIONARY LABELING:

CAUTION:

Splashing into eyes or 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, do NOT induce vomiting.

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 victim to fresh air.

Eyes: Flush eyes for 15 minutes with water.

Skin: Wash off of skin with soap and water.

Ingestion: If swallowed, DO NOT induce vomiting.

IF SYMPTOMS PERSIST, SEEK MEDICAL ASSISTANCE

SECTION 9: SARA TITLE III

NOTE: This product does not contain components which are under the reporting requirements of SARA Title III, Section 313.

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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