

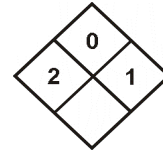
MATERIAL SAFETY DATA SHEET

PRODUCT ADCO BRITE



NFPA HAZARD RATINGS*

Health	2	Moderate health hazard
Fire	0	Noncombustible
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: Cleaning of porcelain enameled surfaces
 Synonyms: None

SECTION 2: HAZARDOUS INGREDIENTS

Chemical Name	%	CAS #	OSHA PEL	LD 50
Hydrochloric acid	< 10	7647-01-0	5 ppm TWA	oral: 900 mg/kg (rabbit)

SECTION 3: PHYSICAL DATA

Appearance: <u>Pink liquid</u>	Boiling Point: <u>No data</u>
Odor: <u>Slightly sweet</u>	Solubility in Water: <u>Miscible</u>
Specific Gravity (20° C): <u>1.04</u>	Vapor Pressure (mm Hg): <u>No data</u>
pH (Water Solution): <u>1</u>	Vapor Density: <u>No data</u>

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): <u>None</u>	Upper Flammable Limit: <u>No data</u>
Extinguishing Media: <u>Compatible with all types. Product noncombustible</u>	Lower Flammable Limit: <u>No data</u>
Special Fire Fighting Procedures: <u>Wear self-contained breathing apparatus.</u>	
Unusual Fire and Explosion Hazards: <u>Reacts with metals to produce flammable hydrogen gas. Produces irritating vapors.</u>	

SECTION 5: REACTIVITY DATA

Stability: <u>Stable</u>	Conditions to Avoid: <u>Mixing with other chemicals</u>
Incompatibility (materials to avoid): <u>All metals, other acids</u>	
Hazardous Decomposition Products: <u>Hydrogen chloride, hydrogen</u>	
Hazardous Polymerization: <u>Will not occur.</u>	

SECTION 6: HEALTH HAZARD DATA

Toxicity (Estimated): <u>Low</u>	
Effects of Overexposure:	Acute: <u>Vapors may be irritating to eyes, nose and respiratory system. Contact with eyes or skin may cause severe irritation or burns.</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 5 ppm TWA (hydrochloric acid)	IRRITANCY OF PRODUCT Corrosive to 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. When cleaning up large spills in confined area, 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: Store in plastic or lined metal containers. Use plastic drum pump.

SPILL OR LEAK PROCEDURES: Dilute with water - neutralize with either sodium bicarbonate or sodium carbonate, then flush to sewer.

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

RECOMMENDED PRECAUTIONARY LABELING:

CAUTION:

Corrosive. Contains hydrochloric acid. Avoid contact with eyes, skin or clothing. Avoid breathing vapors or fumes. Harmful if swallowed.

FIRST AID:

In case of contact, flush eyes 15 minutes with water - call physician. Wash off of skin with water - neutralize with baking soda (sodium bicarbonate). If swallowed, give large amounts 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: Not applicable

Eyes: Flush eyes 15 minutes with water and call physician.

Skin: Wash off with water and neutralize with sodium bicarbonate.

Ingestion: If swallowed, do NOT induce vomiting. Give large quantities of water or milk and 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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Date: April 16, 2010

Replaces MSDS of: August 20, 2008