

**ALUMINUM ETCH
MATERIAL SAFETY DATA SHEET**

02/05/00

MSDS PROVIDED BY:

STOODY INDUSTRIAL AND WELDING SUPPLY, INC.

3316 National Ave., San Diego, CA 92113

Phone: (619) 234-6750

MILITARY EMERGENCY RESPONSE NUMBER 1 (800) 851-8061

U.S. DEPARTMENT OF LABOR

Occupational Safety and Health Administration

Form Approved

OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME AMERICAN CHEMICAL & FLUX PRODUCTS		EMERGENCY TELEPHONE NO. (323) 723-0711 FAX (323) 722-3977	
ADDRESS (Number, Street, City, State, and ZIP Code) 5722 UNION PACIFIC AVE., LOS ANGELES, CA 90022			
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS ALUMINUM ETCH	
CHEMICAL FAMILY ALKALI		FORMULA	

SECTION II – HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	0		BASE METAL	0	
CATALYST	0		ALLOYS	0	
VEHICLE	0		METALLIC COATINGS	0	
SOLVENTS	0		FILLER METAL PLUS COATING OR CORE FLUX	0	
ADDITIVES	0		OTHERS	0	
OTHERS	0				
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
SODIUM HYDROXIDE	CAS #1310-73-2				2 mg/M ³
SODIUM CARBONATE	CAS #497-19-8				N/A
DEIONIZED WATER	N/A				N/A

SECTION III – PHYSICAL DATA

BOILING POINT (°F.)	212°F	SPECIFIC GRAVITY (H₂O=1)	1.17
VAPOR PRESSURE (mm Hg)	N/A	PERCENT, VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (_____ = 1)	
SOLUBILITY IN WATER	COMPLETE		
APPEARANCE AND ODOR SLIGHTLY CLOUDY LIQUID			

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) NONE	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA WILL NOT BURN OR SUPPORT COMBUSTION			
SPECIAL FIRE FIGHTING PROCEDURES DO NOT SPLASH THIS MATERIAL ON SKIN, EYES, OR CLOTHING			
UNUSUAL FIRE AND EXPLOSION HAZARDS IN AN ALUMINUM ETCHING PROCESSES, HYDROGEN GAS IS RELEASED AS A RESULT OF THE CHEMICAL ACTION.			

**ALUMINUM ETCH
MATERIAL SAFETY DATA SHEET**

SECTION V- HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

EFFECTS OF OVEREXPOSURE

DIRECT CONTACT CAN CAUSE BURNS OF SKIN AND EYES, INHALATION OF MIST MAY CAUSE IRRITATION OF MUCOUS MEMBRANES.

EMERGENCY AND FIRST AID PROCEDURES

FLUSH EYES AND SKIN WITH LARGE QUANTITIES OF WATER. FOR INHALATION, REMOVE FROM EXPOSURE.

SECTION VI- REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID N/A
	STABLE	X	

INCOMPATIBILITY (Materials to avoid) ACIDIC MATERIALS

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID N/A
	WILL NOT OCCUR	X	

SECTION VII- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

FLUSH AREA WITH WATER. NEUTRALIZE WITH WEAK ACETIC ACID OR SODIUM BICARBONATE

WASTE DISPOSAL METHOD

SECTION VIII- SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

VENTILATION	LOCAL EXHAUST PROVIDE ADEQUATE VENTILATION	SPECIAL
	MECHANICAL (General)	OTHER

PROTECTIVE GLOVES RUBBER, NEOPRENE, VINYL	EYE PROTECTION GOGGLES, FACE SHIELD
---	---

OTHER PROTECTIVE EQUIPMENT

SECTION IX- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

AVOID CONTACT WITH EYES AND SKIN - STORE IN COOL, DRY AREA. KEEP CONTAINER CLOSED WHEN NOT IN USE.

OTHER PRECAUTIONS