

**GENERAL CHEMICAL CORPORATION
MATERIAL SAFETY DATA SHEET**

SECTION I

PRODUCT NAME OR NUMBER (as it appears on label): ALUMINEX 5834 (Soak washer cleaner for Aluminum)	
MANUFACTURER'S NAME General Chemical Corporation	Only in the Event of CHEMICAL EMERGENCY, Spill, Leak, Fire, Exposure, or Accident Call (313) 491-0355 General Chemical Corp. (800) 424-9300 Chemtrec - Day or Night (202) 483-7616 Call collect from outside U.S.A.
ADDRESS (Number, Street, City, State and Zip Code) 13300 Foley Detroit, Michigan 48227	
HAZARDOUS MATERIALS DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101): Alkaline Liquid (corrosive) N.O.S.	
ADDITIONAL HAZARD CLASSES (as applicable): UN 1814, IMCO Class 8	
CHEMICAL FAMILY: Alkalies	FORMULA: Aluminum/ Multi-Metal Cleaner

SECTION II - INGREDIENTS (List Ingredients)

CAS REGISTRY NO	%W	CHEMICAL NAME(S)
1310-58-3	<3	Potassium Hydroxide
7732-18-5	Balance	Water and Proprietary

SECTION III - PHYSICAL DATA

BOILING POINT:	>212 °F	SPECIFIC GRAVITY (H ₂ O = 1)	1.080
VAPOR PRESSURE:	N/A	PERCENT VOLATILE BY VOL. (%):	>80
°F °C [] mmHg [] psi		PERCENT SOLID BY WEIGHT (%):	<20
VAPOR DENSITY (AIR = 1):	N.A.	EVAPORATION RATE (=1)	<1
SOLUBILITY IN WATER:	100%	pH =	13.0
APPEARANCE AND ODOR: Off white, Mild Odor			IS MATERIAL: [LIQUID] SOLID GAS PASTE POWDER

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A. °F °C	<u>FLAMMABLE LIMITS</u>	<u>LEL</u>	<u>UEL</u>
		N/A.	N/A.
EXTINGUISHING MEDIA: Dry Chemical CO ₂ and Water.			
SPECIAL FIRE FIGHTING PROCEDURES: Do not direct a solid stream into a burning pool, because this may cause frothing.			
UNUSUAL FIRE AND EXPLOSION HAZARDS: None.			

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE (Conditions to Avoid): May cause local irritation when in contact with moisture of the skin and mucous membranes. Aqueous solutions are alkaline and have the same effect.	THRESHOLD LIMIT VALUE: Undetermined
PRIMARY ROUTES OF ENTRY Inhalation [X] Skin Contact [X] Other (Specify)	PERMISSIBLE EXPOSURE LIMIT:
EMERGENCY AND FIRST AID PROCEDURES: EYES: Immediate irrigation for 30 minutes. SKIN: Thoroughly clean for 30 minutes. INGESTION: Do not induce vomiting. Give large amounts of water. INHALATION: Remove to fresh air. If breathing is labored, call physician. In all cases seek medical advice.	

SECTION VI - REACTIVITY DATA - ALUMINEX 5834

STABILITY	UNSTABLE		CONDITIONS TO AVOID: Strong Oxidizing Agent
	STABLE	X	
INCOMPATIBILITY (Materials to Avoid): Strong Oxidizing Agents, Acids, and Nitrites.			
HAZARDOUS DECOMPOSITION PRODUCTS: Combustion may result in undefined organics, oxides of carbon.			
HAZARDOUS POLYMERIZATION	MAY OCCUR WILL NOT OCCUR	X	CONDITIONS TO AVOID: Nitrites should not be added.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Mop up spill. Flush area with water. Keep from contaminating sewers and waterways.
WASTE DISPOSAL METHOD: Follow local, state and federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify Type): In absence of proper control, NIOSH approved.		
VENTILATION	LOCAL EXHAUST (Specify Rate): Yes, at elevated temperatures.	SPECIAL:
	MECHANICAL (General) (Specify Rate): YES	OTHER:
PROTECTIVE GLOVES (Specify Type): Impervious	EYE PROTECTION (Specify Type): Chemical Safety Glasses	
OTHER PROTECTIVE EQUIPMENT: Waterproof, clean, protective body covering clothing, if contact is anticipated. Safety glasses, safety shower.		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Store inside in cool ventilated area. Segregate from acids, and oxidants. Do not freeze.	
OTHER PRECAUTIONS: Remove leaking containers. Keep container closed. Empty containers contain residues and label hazard precautions. Empty containers should be completely drained, properly bunged and promptly returned to a drum reconditioner.	
PLEASE COMPLETE QUESTIONNAIRE AND RETURN TO:	Name (Print): Gregory work Signature: <i>Gregory work</i> Title: Technical Support Date Issued: 25-NOV-96 Supersedes: 02-NOV-95

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