

MATERIAL SAFETY DATA SHEET

MANUFACTURED FOR:
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EMERGENCY PHONE NO.: CHEMTREC (FOR SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT): 1-800-424-9300 (DAY OR NIGHT)
 ***** VpCI-427 *****

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: **21922Z Anodize Remover**
 PRODUCT DESCRIPTION: Aluminum cleaner.

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT NAME(S)	WEIGHT PERCENT	OCCUPATIONAL EXPOSURE LIMITS	
		TLV OR PEL	ORAL LD-50
Sodium Hydroxide CAS # 1310-73-2	15-20	2 mg/m ³	500 mg/kg-rat

Carcinogenic: **OSHA** = no **NTP** = no **IARC** = no

H: 2 F: 0 R: 1 PP: C

SECTION III - PHYSICAL DATA

COLOR: Dark brown PHYSICAL FORM: Liquid
 ODOR: Nil pH: N.A.
 MELTING RANGE: N.A. VAPOR DENSITY: N.E.
 BOILING RANGE: N.E.
 DENSITY: 11.4-11.5 lb/gal (1.37-1.38 kg/l)
 NON-VOLATILE (weight): 40-45%
 VAPOR PRESSURE: Same as water
 EVAPORATION RATE: Same as water

SECTION IV - FIRE AND EXPLOSION DATA

HMIS FLAMMABILITY RATING: 0
 FLASH POINT: >212°F (>100°C)
 FLAMMABLE LIMITS: LEL: N.E. UEL: N.E.
 EXTINGUISHING MEDIA: Water, carbon dioxide or other dry chemical fire fighting agents.
 UNUSUAL FIRE AND EXPLOSION HAZARDS: None.
 SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus.

SECTION V - HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES:
Eye Contact: Flush eyes with large quantities of water for at least 15 minutes. Consult a physician. Skin Contact: Wash affected area with soap and water. If irritation persists, consult a physician. Inhalation: Remove to an uncontaminated area, administer oxygen if necessary. If victim has stopped breathing begin CPR. Get medical attention. Ingestion: If person is conscious, give milk or water and induce vomiting. If breathing has stopped, start CPR. Get immediate medical attention.
 MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None known
 PRIMARY ROUTES OF ENTRY: Eye and skin contact.
 HEALTH HAZARDS (acute and chronic) / EFFECTS OF OVEREXPOSURE:
 1. Eye contact will produce irritation and possible eye damage unless prompt first aid measures are taken.
 2. Repeated or prolonged contact will produce skin irritation and defatting due to the alkaline nature of the product.
 3. Inhalation of product vapors can cause damage of the upper respiratory tract and lung tissue, depending on the severity of the exposure.
 4. Ingestion of this product may be harmful and cause severe damage to tissue with which contact is made.

SECTION VI - REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS (under fire conditions): None.

INCOMPATIBILITY: Strong oxidizers and strong acids.

CONDITIONS TO AVOID: Contact with incompatible materials.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb on sweeping compound or other absorbent material.
 WASTE DISPOSAL: Dispose of in accordance with existing Federal, State and Local environmental regulations.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: None required unless particle mists are generated, then use a NIOSH approved dust/mist respirator.

PROTECTIVE GLOVES: Impervious gloves.

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE EQUIPMENT: Eye wash station.

SECTION IX - SPECIAL PRECAUTIONS AND STORAGE DATA

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid eye and skin contact.

PRECAUTIONS TO BE TAKEN IN STORING: Keep containers tightly closed.

SECTION X - SHIPPING DATA

T.S.C.A. STATUS: Listed
 DOT/IATA/IMDG SHIPPING NAME: Caustic alkali liquid, n.o.s
 U.N. / N.A. NUMBER: 1719
 DOT/IATA/IMDG HAZARD CLASS.: 8
 DOT/IATA/IMDG REQUIRED LABELS: Corrosive
 IMDG Code Page (Amdt. 27-94) 8136
 TECHNICAL SHIPPING NAME: Sodium hydroxide
 FREIGHT CLASS BULK: Same as above
 LTL: 55 TL: 35 MW: 40

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DATE PREPARED: 11/4/04 SUPERSEDES: 4/15/99

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N.E. = NOT ESTABLISHED N.A. = NOT APPLICABLE