

# MATERIAL SAFETY DATA SHEET

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## JT EATON™

**ALUMIN-NU X-521 INDUSTRIAL ALUMINUM CLEANER**  
**Product Nos. JTX-521-1 & JTX-521-2**

1393 East Highland Road  
Twinsburg, OH 44087 • U.S.A.

### SECTION 1 • IDENTIFICATION

**IDENTITY:**  
**ALUMIN-NU X-521 INDUSTRIAL ALUMINUM CLEANER**  
EPA Registration No. **NONE**  
ACTIVE INGREDIENT CHEMICAL NAME: NONE  
CHEMICAL FAMILY: N/A  
Manufacturer's Name:  
ALUMIN-NU CORPORATION  
9513 Woodland Avenue  
Cleveland, Ohio 44104  
Prepared by: Bart Baker Date Prepared: April 23, 2007

**HMIS Rating:** Health: 1  
Flammability: 0  
Reactivity: 0  
Personal Protection: 1  
Other:

Emergency Telephone Number: **1-216-421-2116** or  
National Pesticide Telecommunications Network at **1-800-858-7378**  
Telephone Number for Information:  
9 AM to 5 PM EST - **1-216-421-2116**

### SECTION 2 HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	PEL	<-OSHA LIMITS ->		OPTIONAL ACGIH TLV	%
			STEL	CEILING		
Hydrofluoric Acid - .5% Less than 1% [CAS 7664-39-3]		N/A	N/A	N/A	N/A	N/A
Phosphoric Acid - 12% Before Dilution [CAS 7664-38-2]						

This Material Safety Data sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Material Information System (WHMIS). Unlisted ingredients are not "hazardous" per the OSHA standard and/or are not found on the WHMIS ingredient disclosure list.

### SECTION 3 • PHYSICAL / CHEMICAL DATA

BOILING POINT: (C): 100°  
VAPOR PRESSURE: (mm hg): H<sub>2</sub>O  
VAPOR DENSITY: (AIR = 1): H<sub>2</sub>O  
SOLUBILITY IN H<sub>2</sub>O: N/A  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.01

BULK DENSITY: 8.5 lbs. gallon  
MELTING POINT: N/A  
EVAPORATION RATE (Butyl Acetate = 1): H<sub>2</sub>O  
% VOLATILE: N/A  
APPEARANCE / ODOR: Clear Liquid, Odorless.

### SECTION 4 • FIRE & EXPLOSION HAZARD DATA

FLASH POINT (Method Used) - N/A  
FLAMMABLE LIMITS: N/A LEL: N/A UEL: N/A  
EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING PROCEDURES: In event of fire, use full protective clothing, self-contained breathing apparatus, with full facepiece operated in the pressure demand which is normal procedure  
UNUSUAL FIRE & EXPLOSION HAZARDS: N/A

### SECTION 5 • REACTIVITY DATA

CHEMICAL STABILITY: Stable.  
CONDITIONS TO AVOID: Do not mix with other chemicals.  
INCOMPATIBLE MATERIALS: Chlorine, Arsenic, Trioxide Ammonia,  
Sodium Hydroxide.

HAZARDOUS POLYMERIZATION: Will not occur.  
HAZARDOUS DECOMPOSITION PRODUCTS (from burning, heating, or reaction with other materials):  
Not Applicable.

### SECTION 6 • HEALTH HAZARD DATA

ROUTES OF ENTRY: INHALATION? SKIN? INGESTION?  
NO YES YES

HEALTH HAZARDS (ACUTE and CHRONIC): None known.

CARCINOGENICITY: None known.

NTP? IARC MONOGRAPH? OSHA REGULATED?  
NO NO NO

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: May cause burns. Contact with open wounds not recommended.

#### EMERGENCY AND FIRST AID PROCEDURES:

**EYES:** Immediately flush eyes with water for at least 15 minutes. Call a physician.

**SKIN:** May cause burns, wash with soap and cold water.

**INGESTION:** Ingestion may cause burns. Do NOT induce vomiting. Give large quantities of milk or water. Follow with mineral oil or egg whites unless allergic.

**SECTION 7 • PRECAUTIONS FOR SAFE HANDLING**

IN CASE MATERIAL IS RELEASED OR SPILLED: Wash spill down with cold water or potash.

WASTE DISPOSAL METHOD: Wash down drain or sewer with cold water.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not freeze. Store at ambient temperatures not above 110° F. Use only plastic containers (No Metal).

**SECTION 8 • CONTROL MEASURES**

RESPIRATORY PROTECTION: Face mask or self contained breathing apparatus with pressure demand mode recommended.

EYE PROTECTION: Goggles, full face shield recommended.

VENTILATION:

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Rubber or plastic suit when spraying.

LOCAL EXHAUST: N/A (Exterior Use Only)

SPECIAL: N/A

MECHANICAL EXHAUST: N/A

WORK / HYGIENIC PRACTICES: Wash hands and face with cold water after jobs.

PROTECTIVE GLOVES: Rubber or PVC

**SECTION 9 • CALIFORNIA ADDENDUM**

**(PROPOSITION 65) SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986**

The following specific warnings are hereby given relative to substances that the State of California has identified as carcinogens and/or reproductive hazards under Proposition 65:

WARNING: None

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**SECTION 10 • SARA TITLE III HAZARD CATEGORY**

For Reporting Under Sections 311 & 312

Immediate - NO      Delayed - NO      Fire - NO      Reactive - NO      Sudden Release of Pressure - NO

SARA Title III (40CFR311/312) Hazard category: Not applicable.

SARA Title III Section 313 Toxic chemical substances present at above de-minimus concentrations: None

**SECTION 11 • SHIPPING INFORMATION**

HAZARD CLASS: D.O.T. Placarding Not Required

Manufacturer makes no warranty, express or implied, other than indicated on Label and MSDS. Customer assumes all risk of use and/or handling of this material when such use and / or handling is contrary to Label and MSDS.

BILL OF LADING DESCRIPTION: Cleaners, Scouring or Washing Compounds, NOI, or Soap; other than liquid or corrosive materials or Soap Powder. Item 48581, Class 55

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