

MATERIAL SAFETY DATA SHEET

ALU-KLEEN 36

SECTION I - IDENTIFICATION**24 HOUR EMERGENCY ASSISTANCE:**413-543-3381 (EASTERN TIME) 8:00AM-5:00PM
800-424-9300 (OFF HOURS) CHEMTRECHMIS HEALTH 1
HMIS FLAMMABILITY 0
HMIS REACTIVITY 0
HMIS PROTECTION XHEATBATH CORPORATION
107 FRONT STREET
INDIAN ORCHARD, MASS. 01151PREPARED BY: DAVID NAGY
INFORMATION: 413-543-3381
DATE REVISED: 8/31/98 Rev.02**PRODUCT NAME.....** ALU-KLEEN 36**DESCRIPTION.....** Chemical product for cleaning aluminum.

DOT CLASS: NOT APPLICABLE

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	PEL(MG/M3)	TLV(MG/M3)	%
SODIUM NITRATE	7631-99-4	N.E.	N.E.	1-10
AMMONIUM HYDROXIDE	1336-21-6	50 PPM	25 PPM	1-10
ISOPROPANOL	67-63-0	400 PPM	400 PPM	1-10
NONIONIC SURFACTANT	9036-19-5	N.E.	N.E.	1-10

N.E.=NOT ESTABLISHED

N.A.=NOT APPLICABLE

SECTION III - PHYSICAL DATABOILING Point(F)..... >212 F SPECIFIC GRAVITY (H2O=1).... 1.14
VAPOR PRESSURE (mm Hg).....N.E. MELTING POINT..... N.A.
VAPOR DENSITY (Air=1)..... N.E. EVAPORATION RATE.....N.E.
SOLUBILITY IN H2O..... completely miscible. PH.....3-4
APPEARANCE/ODOR.....light brown liquid, slight alcohol odor.**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**FLASH POINT..... None. FLAMMABLE LIMITS.....None.
LOWER FLAME LIMIT..... N.A. HIGHER FLAME LIMIT..... N.A.
IN CASE OF FIRE: Material is nonflammable. Use extinguishing media appropriate to surrounding conditions.
SPECIAL FIREFIGHTING PROCEDURES: Wear protective clothing.
UNUSUAL FIRE HAZARDS: None.**SECTION V - REACTIVITY DATA**CHEMICAL STABILITY: STABLE CONDITIONS TO AVOID: None.
INCOMPATIBLE MATERIALS: strong acids.
DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen, ammonia gas.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR**SECTION VI - HEALTH HAZARD DATA**

ROUTES OF ENTRY: eye/skin contact, inhalation, ingestion.

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HEALTH HAZARDS (ACUTE, CHRONIC): May cause eye and skin irritation. May cause eye burns with prolonged contact. May be harmful if swallowed. Avoid contact with eyes, skin or clothing.

CARCINOGENICITY: None. **NTP?:** No. **IARC?:** No. **OSHA REGULATED?:** No.

SYMPTOMS OF EXPOSURE: eye and skin irritation. eye burns with prolonged contact.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not known.

FIRST AID: INHALATION: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **EYES:** Hold eyelids apart and flush with running water for at least 15 minutes. Get medical attention. **SKIN:** Wash affected area with plenty of water. Remove contaminated clothing. If irritation persists, see a physician. **INGESTION:** If conscious, give plenty of water. Induce vomiting. Get medical attention.

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SECTION VII - PRECAUTIONS/PROCEDURES

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IN CASE OF SPILL: Contain spills with inert absorbant. Scoop up material into a chemical waste container. Wash area with water.

WASTE DISPOSAL METHOD: Neutralize with soda ash or lime and dispose of in accordance with federal, state and local regulations.

PRECAUTIONS: Wear proper protective clothing when using this product. Wash thoroughly after handling.

OTHER PRECAUTIONS: Emptied containers of this product may contain hazardous vapors and residue. Clean thoroughly before reusing or discarding. Do not use a welding torch to cut container. Do not use for water or food storage. Keep from freezing.

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SECTION VIII - SPECIAL PROTECTION

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RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirator if dust, fumes or vapors are excessive. **VENTILATION:** provide good air dilution.

MECHANICAL EXHAUST..... X. **PROTECTIVE GLOVES:** rubber.

LOCAL EXHAUST..... X. **EYE PROTECTION:** safety goggles, face shield.

OTHER PROTECTIVE EQUIPMENT..... apron, boots, full cover work clothes.

WORK/HYGIENIC PRACTICES..... wash thoroughly after handling, launder clothes.

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SECT IX -SARA TITLE III INFORMATION

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HAZARDOUS COMPONENT	CERCLA RQ LBS.	SECT 302 TPQ LBS.	SECT 313 TOXIC	SECT.311/312 HAZARDS
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SODIUM NITRATE	N.A.	N.A.	(SOLUTION)	A,C
AMMONIUM HYDROXIDE	1000	N.A.	YES	A
ISOPROPANOL	N.A.	N.A.	NO	A,B,C
NONIONIC SURFACTANT	N.A.	N.A.	NO	A

A=IMMEDIATE (ACUTE) HEALTH HAZARD

B=DELAYED (CHRONIC) HEALTH HAZARD

C=FIRE HAZARD

D=SUDDEN RELEASE OF PRESSURE HAZARD

E=REACTIVE HAZARD