



# MATERIAL SAFETY DATA SHEET

## ALUMA WARE

### SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: Aluma Ware  
GENERAL/GENERIC NAME: Aluminum Cleaner, Mechanical ware wash detergent  
PRODUCT USE: August 21, 2014  
EFFECTIVE DATE: Alpine Specialty Chemicals Ltd.  
VENDOR NAME AND ADDRESS: 9 City View Drive, Etobicoke, Ontario M9W 5A5  
24 HOUR EMERGENCY NO. 613-996-666

### SECTION 2 – COMPOSITION / INFORMATION INGREDIENTS

INGREDIENT	%W/W	TLV	CAS.NO	LD50
Potassium Hydroxide	1 - 5	2 mg/m <sup>3</sup>	1310-58-3	365 mg/kg (oral/rat)
Sodium silicate	10 - 20	ND	6834-92-0	ND

### SECTION 3 – HAZARDS IDENTIFICATION

**Route of Entry:**

**Skin Contact:** Causes irritation.

**Eye Contact:** Causes transient irritation.

**Inhalation:** Mist causes irritation of the respiratory tract.

**Ingestion:** Causes irritation to digestive tract.

**Effects of Acute Exposure:** (see section 11 for Toxicological information).

### SECTION 4 – FIRST AID

**Eyes:** Flush with running water for at least 15 minutes while holding eyelids open. Get medical attention.

**Skin Contact:** Flush contaminated skin with plenty of soap and water. Remove contaminated clothing. Launder contaminated clothing thoroughly before re-use. Seek medical attention if skin is burned or symptoms continue.

**Inhalation:** Remove victim to fresh air. Aid in breathing if necessary. If breathing stops, administer artificial respiration. Seek medical attention

**Ingestion:** Give plenty of water to drink to dilute stomach contents. **Do not induce vomiting.** Seek immediate medical attention.

**Note to Physician:** Risk of permanent corneal injury and possible blindness if splashed into eyes.

### SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT: None  
FLAMMABLE LIMITS: NA  
AUTO-IGNITION TEMP: NA  
EXTINGUISHING MEDIA: NA  
SPECIAL FIREFIGHTING PROCEDURES: Wear self contained breathing apparatus in confined areas or when exposed to combustion products.  
EXPLOSION DATA: NA  
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Leak/Spill:** Contain spills; absorb onto inert material.

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### SECTION 7 – HANDLING AND STORAGE

**Handling Procedures:** Avoid all skin contact. Ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid contact with eyes, skin or clothing. Keep container closed when not in use.

**Storage Procedures:** Keep from freezing. Keep containers closed when not in use.

### SECTION 8 – EXPOSURE CONTROLS

#### PROTECTIVE EQUIPMENT TO BE USED:

RESPIRATORY PROTECTION: Not required under adequate ventilation.  
VENTILATION: General ventilation adequate.  
PROTECTIVE GLOVES: Rubber  
EYE PROTECTION: Safety goggles  
OTHER PROTECTIVE MEASURES:

### SECTION 9 – PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid  
APPEARANCE AND ODOUR: Clear amber liquid, odorless  
ODOUR THRESHOLD: NA  
SPECIFIC GRAVITY: 1.20  
VAPOUR PRESSURE: NA  
VAPOUR DENSITY: NA  
PH: 13 - 14  
EVAPORATION RATE: NA  
INITIAL BOILING POINT: 100°C  
WATER SOLUBILITY: Complete  
FREEZING POINT: -5°C

### SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable  
INCOMPATIBILITY: Acids  
HAZARDOUS DECOMPOSITION PRODUCTS: NA  
HAZARDOUS POLYMERIZATION: Will not occur  
CONDITIONS TO AVOID: Concentrate contact with soft metals will create hydrogen evolution.

### SECTION 11 – TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: ND  
EFFECTS OF ACCUTE EXPOSURE:  
SKIN CONTACT: Causes damage if not promptly treated.  
EYE CONTACT: Causes irritation.  
INHALATION: Causes irritation of the respiratory tract.  
INGESTION: Causes irritation to digestive tract.  
EFFECT OF CHRONIC EXPOSURE: None known  
IRRITANCY OF PRODUCT: Serious  
CARCINOGENICITY: ND  
SENSITIZATION TO MATERIAL: ND  
REPRODUCTION TOXICITY: ND  
TERATOGENICITY: ND  
MUTAGENICITY: ND

### SECTION 12 – ECOLOGICAL CONSIDERATION

No permanent effects on ecosystems.

### SECTION 13 – DISPOSAL CONSIDERATIONS

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**Waste Disposal:** In accordance with federal, provincial or local government requirements.

### **SECTION 14 – TRANSPORT INFORMATION**

**TDG Classification:** Corrosive Liquid, Basic Inorganic, N.O.S. (Potassium Hydroxide)  
Class 8 UN 3266 PG III

### **SECTION 15 – REGULATORY INFORMATION**

**WHMIS Classification:** D2B, E

### **SECTION 16 – OTHER INFORMATION**

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