

# Safety Data Sheet

## 1. IDENTIFICATION

**Product Identifier:** ALUM CIP CLEANER NF **Date of Revision:** March 01, 2026  
**Product Code:** T661  
**Other Name(s):** ALUM CIP CLEANER NF  
**Distributed By:** not applicable  
**Recommended Use and Restrictions on Use:** ALUMINUM-SAFE FOOD PLANT DEGREASER  
**Manufactured By:** Ostrem Chemical Co. Ltd. **Phone/Emergency Phone:**  
2310 - 80th Avenue NW 780-440-1911  
Edmonton, Alberta, Canada T6P 1N2 Mon. - Fri. 8:00am - 4:30pm MT  
www.ostrem.com

## 2. HAZARDS IDENTIFICATION

**Classification of the Mixture:** Serious Eye Damage/Irritation - Category 1  
Skin Corrosion/Irritation - Category 1

**Label Elements:**

**Hazard Pictogram(s):**



**Signal Word:** DANGER

**Hazard Statement(s):** Causes serious eye damage.  
Causes severe skin burns and eye damage.

**Precautionary Statement(s):**

**Prevention:** Wash hands thoroughly after handling.  
Wear eye/face protection.  
Do not breathe dusts or mists.  
Wash hands thoroughly after handling.  
Wear protective gloves, protective clothing, and eye/face protection.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
Immediately call a poison centre or physician.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or physician.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison centre or physician.

**Storage:** Store locked up.

**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Physical/health hazards not otherwise classified:**

not applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Conc. w/w</u>	<u>CAS #</u>	<u>Common Names</u>
potassium hydroxide (45%)	3 - 7%	1310-58-3	caustic potash, lye
sodium metasilicate (58%)	5 - 10%	6834-92-0	
glycol ether DB	3 - 7%	112-34-5	

## 4. FIRST-AID MEASURES

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## Necessary Measures:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Immediately call a poison centre or physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or physician.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison centre or physician.

## Most important symptoms, both acute and delayed:

Causes serious eye damage.

Causes severe skin burns and eye damage.

## Indication of immediate medical attention and special treatment needed, if necessary:

not applicable

## 5. FIRE-FIGHTING MEASURES

### Suitable (and unsuitable) extinguishing media:

Use extinguishing media appropriate for surrounding fire.

### Specific hazards arising from the chemical (e.g.: hazardous combustion products):

May liberate oxides of carbon, nitrogen and phosphorus.

### Special protective equipment and precautions for firefighters:

As for surrounding fire. Firefighters should wear full protective clothing and self contained breathing equipment.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective equipment. See section 8.

### Environmental precautions:

Prevent from entering sewers, waterways or low areas.

### Methods and materials for containment and cleaning up:

Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Wash hands thoroughly after handling.

Do not breathe dusts or mists.

Wash hands thoroughly after handling.

Do not ingest. Avoid contact with eyes, skin and clothing.

### Conditions for safe storage, including any incompatibilities:

Store locked up.

Keep out of reach of children. Store in a cool, dry area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters - Exposure limits:

#### Ingredient:

potassium hydroxide (45%)

sodium metasilicate (58%)

glycol ether DB

#### Limit:

ACGIH Ceiling: 2 mg/m<sup>3</sup>

not available

not available

### Appropriate engineering controls:

Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

### Respiratory protection:

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If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator.

## Other protection:

Wear protective gloves, protective clothing, and eye/face protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	clear liquid
<b>Colour:</b>	Yellow
<b>Odour:</b>	mild
<b>Melting Point and Freezing Point:</b>	not available
<b>Boiling point, or initial boiling point and boiling range:</b>	not available
<b>Flammability:</b>	not available
<b>Lower and upper explosion limit or lower and upper flammability limit:</b>	not available
<b>Flash point:</b>	not applicable
<b>Auto-ignition temperature:</b>	not available
<b>Decomposition temperature:</b>	not available
<b>pH:</b>	13.0 - 13.5
<b>Kinematic viscosity:</b>	not available
<b>Solubility:</b>	miscible
<b>Partition coefficient - n-octanol/water (logarithmic value):</b>	not available
<b>Vapour density:</b>	not available
<b>Density and Relative density:</b>	1.075
<b>Vapour pressure:</b>	not available
<b>Particle Characteristics:</b>	not available

## 10. STABILITY AND REACTIVITY

### Reactivity:

This material is considered to be non-reactive under normal use conditions.

### Chemical stability:

Stable.

### Possibility of hazardous reactions:

not applicable

### Conditions to avoid (e.g.: static discharge, shock or vibration):

not applicable

### Incompatible materials:

Acid

### Hazardous decomposition products:

not available

## 11. TOXICOLOGICAL INFORMATION

### POTENTIAL ACUTE HEALTH EFFECTS

<b>Inhalation:</b>	Inhalation of mist may cause damage to nasal and respiratory passages. Irritation may lead to chemical pneumonitis and pulmonary edema.
<b>Ingestion:</b>	May be harmful if swallowed.
<b>Eye contact:</b>	Causes serious eye damage.
<b>Skin contact:</b>	Causes severe skin burns and eye damage.
<b>Skin absorption:</b>	not available

### POTENTIAL CHRONIC HEALTH EFFECTS

<b>Inhalation:</b>	not available
<b>Ingestion:</b>	not available
<b>Eye contact:</b>	not available

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**Skin contact:** not available

**Skin absorption:** not available

**Mutagenicity:** not available

**Carcinogenicity:** This information, if applicable, can be found in Section 2.

**Reproductive toxicity:** This information, if applicable, can be found in Section 2.

**Sensitization of product:** This information, if applicable, can be found in Section 2.

**Specific Target Organ Toxicity - single exposure:** This information, if applicable, can be found in Section 2.

**Specific Target Organ Toxicity - repeated exposure:** This information, if applicable, can be found in Section 2.

## Toxicological Data:

### Ingredient:

potassium hydroxide (45%)

sodium metasilicate (58%)

glycol ether DB

### Data:

Oral LD50: 273 mg/kg (rat)

Oral LD50: 1153 mg/kg (rat)

not available

## Other Toxicological Information on Ingredients:

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity (aquatic and terrestrial, where available):** not available

**Persistence and degradability:** not available

**Bioaccumulative potential:** not available

**Mobility in soil:** not available

**Other adverse effects:** not available

**Ecological Information on Ingredients:** not available

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal:** Disposal of all waste must be done according to local, provincial and federal regulations.

## 14. TRANSPORT INFORMATION

**TDG classification:** UN 1760; CORROSIVE LIQUID, N.O.S. (POTASSIUM HYDROXIDE, SODIUM TRIOXOSILICATE); CLASS 8; PG II

## 15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

## 16. PREPARATION INFORMATION

**Prepared by:** Technical Services Department, Ostrem Chemical Co. Ltd., Ph.: 780-440-1911

**Date of Preparation:** March 01, 2026

**Date of Revision:** March 01, 2026

This Safety Data Sheet may not be changed or altered in any way without the express knowledge and permission of Ostrem Chemical Co. Ltd.

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