

ALUMI

BRIGHT CLEANER



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DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUSTANCE**1.1 Product Identification:**
ALUMI BRIGHT CLEANER**1.2 Relevant identified uses of the product.**

It is a product specially designed for cleaning and maintenance of aluminum surfaces, unlike other products the ALUMINUM BRIGHT CLEANER does not attack the material lengthening its useful life. Usually applied to effectively remove calcareous scales, oils and dust.

1.3 Details of the supplier:

(507) 6282-1479 / 6823-9079

Office: (507) 323-5979

Mail: sales@ecomaxshipservices.com

Website: www.ecomacshipservices.com

Camino Real de Betania, Panama, Republic of Panama

SECTION 2: PHYSICO-CHEMICAL PROPERTIES

Appearance / Odor: Liquid color and characteristic odor.

Ph: 1,0 - 2,0.

Solubility: Completely soluble in water.

Density: 1,00 g / mL at 20° C.

Melting Point: Not applicable.

Boiling point: Not determined.

Flammability: Not Flammable.

Explosive properties: Not applicable.

Stability: Completely stable at room temperature.

Presentation: 20L and 200L

SECTION 3: COMPOSITION

Name	CAS number
Hydrofluoric	7664-39-3
Phosphoric acid	7664-38-2
RHODINE (Corrosion Inhibitor)	50-78-2

SECTION 4 DANGERS TO IDENTIFY

Hazard pictograms:

**4.2 Main Symptoms**

Eye contact:

Irritation and redness. Prolonged direct contact may cause burns.

Skin Contact:

MAY BE ABSORBED THROUGH SKIN. Redness, direct contact for a long time can cause pain, blisters and severe burns.

After ingestion:

Causes irritation to the mouth, throat and esophagus tissues, accompanied by nausea and diarrhea.

After inhalation:

Abdominal pain, nausea, weakness, burning sensation, diarrhea and vomiting.

4.3 First aid measures

Eye contact with skin:

Remove contaminated clothing and shoes. Wash affected area with plenty of soap and water, at least 15 minutes.

After contact with eyes:

Wash with plenty of water for at least 15 minutes. Lift and separate the eyelids to ensure removal of the product.

After swallowing:

Wash out mouth with water. If conscious, give plenty of water. Do not induce vomiting because it causes new burns. Seek immediate medical attention. Do not perform neutralization tests.

After Inhalation:

Move to fresh air. If not breathing, give artificial respiration. Avoid word of mouth. If breathing is difficult, give oxygen. Keep the victim warm and at rest. Seek immediate medical attention.

SECTION 5: ACCIDENTAL RELEASE MEASURES

5.1 Personal precautions, protective equipment and emergency procedures:

Use the appropriate PPE. Avoid breathing vapors if present and ensure adequate ventilation.

5.2 Environmental precautions.

- Evacuate or isolate the area of danger.
 - Do not allow to enter drains or watercourses.
 - In case of spillage the product can be absorbed with sand or earth and later they must be stored in suitable container for discard. Waste must be disposed of according to national regulations, NOT disposed of with household waste.
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SECTION 6: FIRE FIGHTING MEASURES

6.1 Suitable extinguishing media:

Combat fires with measures adapted to the surrounding environment.

6.2 In case of fire:

- Keep the container cool by spraying with water, do not let the product get in direct contact with water. Fight the fire from a protected place.
- Possible formation of toxic gases in case of heating or fire. Acid vapors may be released during fire.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

- Keep the container tightly closed.
- Provide good ventilation in the work area.
- Use safety goggles or glasses and gloves preferable of neoprene or nitrile.
- Maintain strict hygiene standards, no smoking, or eating at the workplace.
- Wash hands and face immediately after use.
- For work involving prolonged contact with the product, it is recommended to use a respirador with chemical filters for organic vapors and acid gases.

7.2 Conditions for safe storage, including any incompatibilidades

- Store ONLY IN ORIGINAL PACKAGING in ventilated, cool and dry places. Away from sources of heat and ignition.
- The storage temperatures should be between 15-25 °C.
- Avoid storage near sources of ignition or open flames, heating the product could cause thermal decomposition and release of toxic gases.

7.3 Recommendations for use

PRODUCT EXCLUSIVELY FOR PROFESIONAL USE.

you must dilute 1L of the product in up to 4L of water, dependig on the level of incrustation. Spread the solution on the surface and let it act for 5 minutes maximun, then remove the residue with a cloth and plenty of water.

