


SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2696	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	ALUMI-FORCE	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Aluminum Cleaner and Brightener	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Health: Skin Corrosion/Irritation: Category 1C Eye Damage/Irritation, Category 1 Physical: Corrosive to Metals: Category 1 This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)	SIGNAL WORD: DANGER	SYMBOL:	
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HAZARD STATEMENTS:

H314: Causes severe skin burns and eye damage.

H290: May be corrosive to metals.

PRECAUTIONARY STATEMENTS:

Prevention: P260: Do not breathe dust/fume/gas/mist/vapors/spray.

P264: Wash face, hands and any exposed skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P314: Get medical advice/attention if you feel unwell.

Storage: P404: Store in a closed container.

Disposal: P501: Dispose of contents/container to an approved waste disposal plant.

POTENTIAL HEALTH EFFECTS:

INGESTION: Harmful if swallowed

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Phosphoric Acid	7664-38-2	< 45

4. First Aid Measures

EMERGENCY OVERVIEW:

EYES: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately. In case of contact with eyes, rinse immediately with plenty of water.

SKIN: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER or doctor/physician. Remove and wash contaminated clothing before reuse.

INHALATION:

Move to fresh air in case of accidental inhalation of vapors or decomposition products. Get medical attention immediately if symptoms occur.

INGESTION:

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

NOTES TO PHYSICIAN: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

GENERAL HAZARD:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action should be taken involving any personal risk or without suitable training.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

In a fire or if heated, a pressure increase will occur and the container may burst.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SENSITIVE TO STATIC DISCHARGE: None.

SENSITIVITY TO IMPACT: None.

FLAMMABLE CLASS: Not applicable.

6. Accidental Release Measures

METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:

Small Spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if not water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large Spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

7. Handling and Storage

SAFE HANDLING:

Ensure adequate ventilation. Wear personal protective equipment as required based on a risk assessment. Do not get in eyes, on skin or on clothing. Do not breathe vapors or spray mist. Remove and wash contaminated clothing before reuse. Wash thoroughly after handling.

SAFE STORAGE & INCOMPATIBILITIES:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food or drink. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure Controls / Personal Protection

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Phosphoric Acid (7664-38-2)	TWA		1		1	NL	NL
	STEL				3	NL	NL

PERSONAL PROTECTIVE EQUIPMENT:



Eye/Face Protection: If splashes are likely to occur, wear: Tightly fitting safety goggles and face shield.

Skin Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Protective Clothing: Wear chemical protective clothing e.g. gloves, aprons, boots. As conditions required.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations.

General Hygiene Considerations: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

APPROPRIATE ENGINEERING CONTROLS:

Proper ventilation in accordance with good industrial hygiene should be provided.

9. Physical & Chemical Properties

Appearance:	Colored liquid.	Flammability Limit-lower (%):	Not applicable.
Physical State:	Liquid.	Flammability Limit-upper (%):	Not applicable.
Odor:	Fragranced.	Vapor Density:	No data available.
Odor Threshold:	No data available.	Vapor Pressure:	No data available.
pH:	1 to 2	Thermal Decomposition:	No data available.
Freezing Point:	(0°F)	Solubility (water):	Completely soluble.
Boiling Point:	(212°F)	Auto-Ignition Temp:	Not applicable.
Viscosity:	Moderately viscous.	Evaporation Rate:	Similar to water.
Flash Point:	None.		

Chemical Name:	Flash Point (°C)	Boiling Point (°C)	Freezing Point (°C)	Specific Gravity
Phosphoric Acid	11	22	33	44

10. Stability & Reactivity Information

CHEMICAL STABILITY:

Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

Under normal conditions of storage and use, hazardous reactions will not occur.

INCOMPATIBLE MATERIALS:

Mixing with bleach, alkali, or oxidizers may generate toxic gases. Never use or mix with other chemicals.

HAZARDOUS DECOMPOSITION PRODUCTS:

None known.

11. Toxicological Information

PRIMARY ROUTE OF ENTRY:

Eyes: Eye Damage/Irritation.

Skin: Skin Damage/Irritation.

ACUTE TOXICITY:

DERMAL LD50: > 2,000 mg/kg

ORAL LD50: > 2,000 mg/kg

INHALATION LC50: > 20 mg/L

SENSITIZATION:

Not a sensitizer.

CARCINOGENICITY:

Chemical Name	General Toxicity
Phosphoric Acid	None known.

REPEATED DOSE EFFECTS:

Repeated or prolonged contact causes skin burns or eye damage.

12. Ecological Information

ENVIRONMENTAL DATA:

This material has not been tested for acute environmental effects.

BIOACCUMULATIVE POTENTIAL:

No evidence to suggest bio-accumulation will occur.

13. Disposal Consideration

DISPOSAL INSTRUCTIONS:

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14. Transportation Information

DOT: **UN Number:** UN1760

UN Proper Shipping Name: Corrosive Liquid N.O.S.

Technical Name: Contains; Phosphoric Acid)

Transport Hazard Class(es):

Class: 8

NAERG: 154

Packing Group: III

Other Shipping Information: All products offered for domestic ground transportation that meet the following Exceptions for Class 8 (corrosive materials) will be packaged and shipped as "Limited Qty".

- (1) For corrosive materials in Packing Group II, inner packagings not over 1.0 L (0.3 gallon) net capacity each for liquids or not over 1.0 kg (2.2 lbs) net capacity each for solids, packed in a strong outer packaging with a gross package weight of 66 lbs or less.
- (2) For corrosive materials in Packing Group III, inner packagings not over 5.0 L (1.3 gallon) net capacity each for liquids or not over 5.0 kg (11 lbs) net capacity each for solids, packed in a strong outer packaging with a gross package weight of 66 lbs or less.

15. Regulatory Information

US FEDERAL REGULATIONS:

All components are on the U.S. EPA TSCA Inventory List. This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA (Toxic Substance Control Act):

Chemical Name	CAS
Phosphoric Acid	7664-38-2

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act):

Chemical Name	Wt. %:	CERCLA RQ
Phosphoric Acid	< 45	5,000

SARA Title III (Superfund Amendments and Reauthorization Act)

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.

Hazard categories:

- Immediate Hazard – Yes.
- Delayed Hazard – No.
- Fire Hazard – No.
- Pressure Hazard – No.
- Reactivity Hazard – No.

US STATE REGULATIONS:

CALIFORNIA PROPOSITION 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage

and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.