





SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2956	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	ALUMIN-NU	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Heavy-Duty 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: Met. Corr: Category 1 Eye Irrit: Category 2A Repr: Category 1B Full text of H-phrases: See Section 16.	SIGNAL WORD: DANGER	SYMBOL:		
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HAZARD STATEMENTS:

May be corrosive to metals.
Causes serious eye irritation.
May damage fertility or the unborn child.

PRECAUTIONARY STATEMENTS:

Prevention:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep only in original container.
Wash thoroughly after handling.
Wear eye protection, protective clothing, protective gloves.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Absorb spillage to prevent material damage.

Storage:

Store locked up. Store in corrosive resistant container with a resistant inner liner.

Disposal:

Dispose of contents/container to comply with local/regional/national/international regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

No additional information available.

UNKNOWN ACUTE TOXICITY (GHS US):

Not applicable.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	Concentration % by Weight	CLASSIFICATION (GHS-US)
Organic acid salt mixture	Proprietary	10-30	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Repr. 1B, H360
Carbamide dihydrogen sulfate	21351-39-3	3-8	Eye Irrit. 2A, H319
UNDECETH-534398-01-1	34398-01-1	1-5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

4. First Aid Measures

EMERGENCY OVERVIEW

GENERAL: If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.

EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

SKIN: Rinse skin with water/shower.

INHALATION:

Remove the victim into fresh air. If you feel unwell, seek medical advice.

INGESTION:

Rinse mouth with water. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Symptoms/injuries: May damage fertility. May damage the unborn child.

Symptoms/injuries after inhalation: None under normal use.

Symptoms/injuries after skin contact: Contact during a long period may cause light irritation.

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/injuries after ingestion: Gastrointestinal complaints.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Treat symptomatically.

5. Fire-Fighting Measures**SUITABLE FIRE EXTINGUISHING MEDIA:**

All extinguishing media allowed.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Hydrogen gas may be released upon contact with certain metals at sustained temperatures about 140°F.

SPECIFIC FIRE-FIGHTING METHODS:

Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental Release Measures**PERSONAL PRECAUTIONS:**

Isolate from fire, if possible, without unnecessary risk. Protective goggles. Gloves. Protective clothing. Evacuate unnecessary personnel. Avoid contact with skin, eyes, and clothing. Ventilate spillage area.

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Equip cleanup crew with proper protection. Stop leak, if safe to do so. Stop release. Ventilate area. Avoid release to the environment. Prevent entry to sewers and public waters. Contain released substance, pump into suitable containers. Absorb spillage to prevent material damage. This material and its container must be disposed of in a safe way, and as per local legislation.

7. Handling and Storage**SAFE HANDLING:**

Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink, or smoke when using this product. Do not get in eyes, on skin, or on clothing. Handle and open the container with care. Wash thoroughly after handling. Wash contaminated clothing before reuse.

SAFE STORAGE & INCOMPATIBILITIES:

Comply with applicable regulations. Store in corrosive-resistant container with a resistant inner liner. Keep container closed when not in use. Incompatible with strong bases, oxidizing agent, reducing agents, metals.

HEAT IGNITION:

Heat sources.

STORAGE AREA:

Meet the legal requirements. Store in a cool area. Store in a well-ventilated place.

SPECIAL RULES ON PACKAGING:

Meet the legal requirements. Keep only in original container.

8. Exposure Controls / Personal Protection**CONTROL PARAMETERS:**

Use appropriate personal protective equipment when risk assessment indicates this is necessary. Safety glasses. Gloves. Protective clothing.

**9. Physical & Chemical Properties**

APPEARANCE:	Clear, colorless liquid.	FLAMMABILITY (solid/gas):	No data available.
Physical State:	Liquid.	EXPLOSION LIMITS:	No data available.
ODOR:	Mild odor.	EXPLOSIVE PROPERTIES:	No data available.
ODOR THRESHOLD:	No data available.	OXIDIZING PROPERTIES:	No data available.
pH:	<1	VAPOR PRESSURE:	No data available.
MELTING POINT:	No data available.	VISCOSITY (kinematic):	No data available.
FREEZING POINT:	No data available.	RELATIVE VAPOR DENSITY AT 20°C:	No data available.
VISCOSITY:	No data available.	RELATIVE DENSITY:	No data available.
SPECIFIC GRAVITY:	1.08 g/ml	SOLUBILITY (water):	Soluble.
BOILING POINT:	No data available.	AUTO-IGNITION TEMP:	No data available.
RELATIVE EVAPORATION RATE (butyl acetate =1):	No data available.	DECOMPOSITION TEMP:	No data available.
LOG POW:	No data available.	VISCOSITY (dynamic):	No data available.
LOG KOW:	No data available.	FLASH POINT:	> 200°F Estimated.
		VOC CONTENT:	<0.5%

10. Stability & Reactivity Information**REACTIVITY:**

Hydrogen gas may be released upon contact with certain metals at sustained temperatures about 140°F.

CHEMICAL STABILITY:

Metal contact may cause hydrogen release.

POSSIBILITY OF HAZARDOUS REACTIONS:

Refer to Section 10 on Reactivity.

INCOMPATIBLE MATERIALS:

May be corrosive to metals. Do not mix with metal powders. Avoid contact with oxidizers or reducing agents, alkalis, chlorates, nitrates. Contact with hypochlorites will liberate toxic gases.

CONDITIONS TO AVOID:

Open flame. Overheating.

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition may yield hydrofluoric acid and oxides of carbon, nitrogen, chlorine, and sulfur. Hydrogen gas may be released upon contact with certain metals.

11. Toxicological Information**ACUTE TOXICITY:**

Not classified

COMPONENTS	SPECIES	TEST RESULTS
UNDECETH-5 (34398-01-1)		
Acute <i>Oral</i> LD50	Rat	> 1400 mg/kg
Organic acid salt mixture (Proprietary)		
Acute <i>Dermal</i> LD50	Rat	2109.4 mg/kg
<i>Oral</i> LD50	Rat	678.3 mg/kg

SKIN CORROSION/IRRITATION:

Not classified pH <1.

SERIOUS EYE DAMAGE/IRRITATION:

Causes serious eye irritation pH <1

RESPIRATORY OR SKIN SENSITIZATION:

Not classified.

GERM CELL MUTAGENICITY:

Not classified.

CARCINOGENICITY:

Not classified.

REPRODUCTIVE TOXICITY:

May damage fertility or the unborn child.

SPECIFIC TARGET ORGAN TOXICITY – single exposure:

Not classified.

SPECIFIC TARGET ORGAN TOXICITY – repeated exposure:

Not classified.

ASPIRATION HAZARD:

Not classified.

SYMPTOMS/INJURIES AFTER INHALATION:

None under normal use.

SYMPTOMS/INJURIES AFTER SKIN CONTACT:

Contact during a long period may cause light irritation.

SYMPTOMS/INJURIES AFTER EYE CONTACT:

Causes serious eye irritation.

SYMPTOMS/INJURIES AFTER INGESTION:

Gastrointestinal complaints.

12. Ecological Information**UNDECETH-5 (34398-01-1)**

LC50 fish 1: < 10 mg/l

EC50 Daphnia 1: < 10 mg/l

ErC50 (algae) : < 10 mg/l

PERSISTENCE AND DEGRADABILITY:

No additional information available.

BIOACCUMULATIVE POTENTIAL:

No additional information available.

13. Disposal Consideration

Dispose in a safe manner in accordance with local/national regulations.

14. Transportation Information**DEPARTMENT OF TRANSPORTATION (DOT)**

In accordance with DOT: Not regulated for transport.

OTHER INFORMATION:

No supplementary information available.

ADR: No additional information available.

TRANSPORT BY SEA:

No additional information available.

AIR TRANSPORT:

No additional information available.

15. Regulatory Information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

UNDECETH-5 (34398-01-1)

SARA Section 311/312 Hazard Classes: Immediate (acute) health hazard.

California Proposition 65 –

This product does not contain substances known to the state of California to cause cancer and/or reproductive toxicity.

16. Other Information

Training advice:

Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-phrases:

Acute Tox. 4 (Oral) Acute toxicity (oral) Category 4
Eye Dam. 1 Serious eye damage/eye irritation Category 1
Eye Irrit. 2A Serious eye damage/eye irritation Category 2A
Met. Corr. 1 Corrosive to metals Category 1
Repr. 1B Reproductive toxicity Category 1B
H290 May be corrosive to metals
H302 Harmful if swallowed
H318 Causes serious eye damage
H319 Causes serious eye irritation
H360 May damage fertility or the unborn child
N/A = Not Applicable
N/D = Not Determined

NFPA	Health Hazards: 2	Flammability: 1	Instability: 0	Physical & Chemical Properties:
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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.