


SAFETY DATA SHEET

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: A-1 ALUMINUM CLEANER
Product Use: Aluminum Cleaning
Product Code: 0050
Date of Issue: 05/15/2015
Emergency Telephone Number: (888) 244-3350

Responsible Party:

 **TOMORROW**
A LIMITED LIABILITY COMPANY
Tommorrow, LLC
P.O. Box 2630
Daphne, AL 36526
(888) 244-3350

2. HAZARDS IDENTIFICATION

GHS - Signal Word: DANGER

GHS - Classification:

Skin corrosion/Irritation - Category 1B

Serious Eye Damage/Eye Irritation - Category 2B

GHS - Physical Hazard Statement(s):

H290 - May be corrosive to metals

GHS - Health Hazard Statement(s):

H302 - Harmful if swallowed

H311 - Toxic in contact with skin

H314 - Causes severe skin burns and eye damage

H318 - Causes severe eye damage

GHS - Precautionary Statement(s):

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P221 - Take any precaution to avoid mixing with combustibles

P262 - Do not get in eyes, on skin, or on clothing

P264 - Wash thoroughly after handling

P280 - Wear gloves, protective clothing, eye and face protection

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

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

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

P310 - Immediately call a POISON CENTER or doctor/physician

P501 - Dispose of contents/container in accordance with local/regional/national/international regulations

Potential Health Effects:

Skin Contact: Corrosive! May cause severe irritation, pain and possibly burns

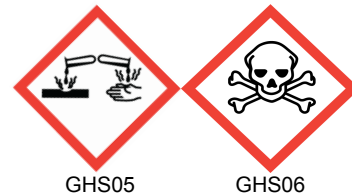
Eye Contact: Corrosive! May cause severe irritation, pain, burns, damage and blindness

Inhalation: Corrosive! May cause irritation

Ingestion: Corrosive! May cause irritation, pain, burns, vomiting, nausea, and diarrhea

Hazard Ratings H.M.I.S.

Health 3 Flammability 0 Reactivity 0



3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient Name | CAS Number | % Range |
|--|------------|---------|
| Hydrofluoric Acid | 7697-37-2 | 10 - 20 |
| Sulfuric Acid | 7664-93-9 | 10 - 20 |
| Imidazolium compounds, 1-[2-(2-carboxyethoxy)ethyl]-1(or 3)-(2-carboxyethyl)-4,5-dihydro-2-norcoco alkyl, hydroxides, disodium salts | 68604-71-7 | 1 - 5 |

4. FIRST AID MEASURES

Eye Contact Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Remove contact lens after the first 2 minutes. Get medical attention immediately.

Skin Contact Immediately flush with water. Remove all contaminated clothing and continue flushing skin with water for at least 15 minutes. Seek medical attention if irritation occurs.

Inhalation Move exposed person to fresh air. If irritation persists, seek medical attention.

Ingestion DO NOT INDUCE VOMITING. Drink several glasses of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

Flash Point None, non-flammable.

Flammable Limits Not available

Extinguishing Media Use media appropriate for surrounding fire. Cool fire-exposed containers with water spray.

Fire Fighting Procedures As in any fire, wear NIOSH/MSHA approved, pressure-demand self-contained breathing apparatus and full protective gear. Extreme heat or contact with metals can release flammable hydrogen gas and other poisonous or irritating gases which may be heavier than air.

6. ACCIDENTAL RELEASE MEASURES

Spill Clean Up Spills are unlikely due to packaging. Small spills can be taken up with an absorbent and placed in a clean dry container for later disposal. Wear appropriate personal protection equipment as specified in Section 8. Do not flush to sewer or waterways. Add soda ash to neutralize area. Flush area with large amounts of water. US regulations(CERCLA) require reporting spills and release to soil, water and air in excessive of reportable quantities.

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7. HANDLING & STORAGE

- Handling** Wear protective equipment (See Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing any vapor mists. Keep in the original container. Do not use container for other purposes. Keep bungs/fittings closed tightly when not in use. Keep away from alkalis. Wash thoroughly after handling.
- Storage** Store between the following temperatures 4.44°C to 48.9°C(40°F to 120°F). Store tightly closed containers in a cool, dry area away from incompatible materials (See Section 10) and food and drink. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls** Provide adequate local exhaust ventilation to maintain worker exposure below limits as listed in Section 2. Local exhaust is suggested for use where possible, in enclosed or confined space
- Personal Protection**
- Eyes/Face** Safety Glasses or chemical Goggles. Faceshield to guard against splashing
- Skin/Body** PVC, Rubber or Neoprene gloves and sleeves
- Respiratory** Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.
- General** Wear protective clothing to guard against splashing, including boots and apron made from PVC or neoprene. Maintain eye wash fountain and quick drench safety shower in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical State** Liquid
- Color** Clear, Colorless
- Odor** Acrid
- Specific Gravity** 1.03
- Water Solubility** Complete
- pH** <1
- Vapor Pressure** Not available
- Vapor Density** Not available
- Evaporation Rate** Not available
- Boiling Point** >100°C
- Volatiles** >75%
- VOC** Not available

10. STABILITY AND REACTIVITY

- Chemical Stability** The product is stable
- Conditions to Avoid** Excessive heat, direct sunlight and incompatibles
- Incompatibility** Metals, glass, strong bases(such as ammonia, soda ash, caustic soda), rubber, leather, concrete, sulfides, sulfites, strong oxidizers
- Hazardous Decomposition** Hydrogen fluoride and sulfuric acid fumes
- Hazardous Polymerization** Will not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

- Hydrofluoric Acid LC50 Inhalation rat 1276ppm/1H; Investigated as a mutagen, reproductive effector
- Sulfuric Acid LD50 Oral rat 2140mg/kg

12. ECOLOGICAL INFORMATION

- Ecotoxicity (aquatic and terrestrial)** Not Available
- Persistence and Degradability** Not Available
- Bioaccumulative Potential** Not Available
- Mobility in Soil** Not Available
- Other Adverse Effects** Not Available

13. DISPOSAL CONSIDERATIONS

Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

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14. TRANSPORTATION INFORMATION

DOT Proper Shipping Name Corrosive liquid, n.o.s. (Hydrofluoric, Sulfuric acids)
DOT Hazard Class 8(6.1)
DOT I.D. Number UN 2922
DOT Packing Group II
DOT Label(s) Corrosive

15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question.

This regulatory data is not intended to be all-inclusive, only selected regulations are represented.

U.S. Federal regulations

CERCLA

Hydrofluoric Acid CAS-No. 7664-39-3, RQ: 1,000 lbs

Sulfuric Acid CAS-No. 7664-93-9, RQ: 1,000 lbs

OSHA Hazard Communication Standard (26 CFR 1910.1200)

(X) Hazardous () Non-Hazardous

SARA TITLE III

Section 302/304 Extremely Hazardous Substances:

Hydrofluoric Acid CAS-No. 7664-39-3

Sulfuric Acid CAS-No. 7664-93-9

Section 311/312 (40CFR370) Hazardous Categories:

() None (X) Acute (X) Chronic () Fire () Pressure () Reactive

Section 313 Toxic Chemical List:

Hydrofluoric Acid CAS-No. 7664-39-3

Sulfuric Acid CAS-No. 7664-93-9

TSCA

All ingredients listed in section 3 of this SDS are listed on the TSCA Inventory. Any impurities present are exempt from listing.

U.S. State Regulations

California Prop 65

The product does not contain any chemicals that have been known in the state of California to cause cancer.

All or some ingredients listed in section 3 of this SDS are on the following states Right TO Know listings

California, Massachusetts, New Jersey, Pennsylvania, Rhode Island

International Regulations

Canada: WHMIS Status: Controlled WHMIS Hazard Classification: B/3, D/1/A, D/2/B, E

All ingredients listed in section 3 of this SDS are on the following inventories or are exempted from listing

| Country | Notification | Country | Notification |
|----------------|--------------|-------------|--------------|
| Australia | AICS | Japan | ENCS/ISHL |
| Canada | DSL | Korea | ECL |
| China | IECS | New Zealand | NZIoC |
| European Union | EINECS | Philippines | PICCS |

16. OTHER INFORMATION

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Completed On May 15, 2015

Completed By Chemist, President: R. Law