

Safety Data Sheet

1. Identification

Name of the product: Polished Aluminum Cleaner SDS Code: FBS PAC, UB
 Ultra Brite Date prepared: July 13, 2015

Recommended use: Aluminum cleaner

Use not recommended: Not for use in any application that touches the body.

Company: Fred Brewer Sales
 P.O. Box 376 412 N Hwy 277
 Elgin, OK 73538 Fletcher, OK 73541

Telephone: 580-492-4656 fax: 580-549-6123

email address: fredbrewersales@tds.net

Transportation Emergency Number: Chemtrec 800-424-9300

2. Hazards identification

GHS Classification

Corrosive to metals (Category 1), H290 May be corrosive to metals
 Skin corrosion (Category 1B), H314 Causes severe skin burns and eye damage.
 Serious eye damage (Category 1), H318 Causes serious eye damage.
 GHS Label elements, including Precautionary statements.

Pictogram:



Signal word: Danger

Hazard statements:

H290 May be corrosive to metals.
 H314 Causes severe skin burns and eye damage.
 H318 Causes serious eye damage.

Precautionary statements:

P234 Keep only in original container.
 P261 Avoid breathing fume/ mist/ vapors/ spray
 P264 Wash skin thoroughly after handling.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection
 P301, P3301, P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 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 victim to fresh air and keep at rest in a position comfortable for breathing.
 P305, P351, P338: IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER or doctor/ physician.
 P321 Specific treatment (see supplemental first aid instructions on this label).
 P363 Wash contaminated clothing before reuse.
 P390 Absorb spillage to prevent material damage.
 P233, P403: Keep container tightly closed. Store in a well-ventilated place.
 P501 Dispose of contents/ container to an approved waste disposal plant.

3. Composition / Information on ingredients

Chemical identity: Sulfuric acid H₂SO₄ 32.74%

Common name: Sulfuric acid

Numbers of identity: CAS 7664-93-9 EC231-639-5

Impurities and other components: None which influence categorization.

Safety Data Sheet

4. First-aid measures

General advice

Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical attention.

Never give anything by mouth to an unconscious person.

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

Consult a physician.

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Consult a physician.

IF IN EYES: Rinse continuously with water for at least 15 minutes and consult a physician.

Remove contact lenses if present and easy to do; continue rinsing.

Continue rinsing eyes during transport to hospital.

Most important symptoms will be severe pain in affected area, or considerable difficulty breathing.

5. Firefighting measures

Suitable extinguishing media : Product is not flammable.

Use equipment appropriate for the main cause of a fire.

Precautions: Special protective equipment for firefighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Flash point: Does not flash.

Autoignition temperature: Does not ignite.

Specific hazards in case of fire: Sulfur oxide gas/ vapors formed from warm solution.

6. Accidental release measures

Personal protection:

Wear chemical goggles, body-covering protective clothing, chemical resistant gloves and rubber boots if deemed appropriate. Avoid breathing vapors. Ensure adequate ventilation. Evacuate affected area.

Environmental precautions: Keep product out of drains.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste.

Keep in suitable, closed containers for disposal. For disposal see section 13.

7. Handling and storage

Precautions for safe handling:

NEVER add water to product as it may boil over or fume.

ALWAYS add product to water to avoid dangerous heating.

Avoid contact with eyes. Avoid skin contact and breathing mists/vapors.

Conditions for safe storage, including incompatibilities:

Keep in a cool well ventilated place. Keep away from caustics.

8. Exposure controls/ personal protection

Information on the system design:

Product is intended for external use only. Stay up wind, out of any spray developed.

Exposure Limits:

Component Name (CAS)

Sulfuric acid

CAS 7664-93-9

OSHA Table Z-1 Limits for Air Contaminants

TWA

ppm mg/m3

NE 0.2 mg/m3

1 mg/m3

ACGIH

STEL

ppm

NE

NE

NE= Not Established

Personal protective equipment

Respiratory protection: If the respirator is the sole means of protection, use a full-face supplied air respirator.

Hand protection: Rubber gloves.

Eye protection: Safety glasses with side-shields.

Skin and body protection: Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely.

Hygiene measures

Wash hands and face before breaks and immediately after handling the product.

Handle in accordance with good industrial hygiene and safety practice.

Safety Data Sheet

9. Physical and chemical properties

Appearance: Colorless to slightly yellow liquid
 Odor: Pungent, characteristic acrid, or Citrus (Ultra Brite)
 Odor threshold: Not available
 pH-value: Not available Initial boiling point: Not available
 Melting point: Not available Flash point: Does not flash.
 Freezing Point: Not available Evaporation rate: Not applicable
 Flammability (solid, gas): Not applicable
 Explosion limits: Not explosive
 Vapor pressure: (highest partial vapor pressure) at 20°C: Not available
 Vapor density: Not available
 Relative density (water=1.00): 1.17 approx.
 Solubility: Soluble in water.
 Partition coefficient: Log Kow = Not applicable to mixture.
 Auto-ignition temperature: Not available
 Decomposition temperature: Not available
 Viscosity: Like water

10. Stability and reactivity

Chemical stability: No decomposition, if used according to specifications.
 Possibility of hazardous reactions: Hydrogen may be formed by contact with metals.
 Chemical stability: Stable.
 Materials to avoid: Avoid contact with metals because flammable/explosive hydrogen may develop.
 Avoid contact with alkalis and caustics as these react vigorously with the acid.
 Hazardous decomposition products: Hydrogen formed from contact with metals.
 Corrosive and dangerous fumes generated when solution is heated.

11. Toxicological information

Acute Toxicity: No information available for finished product.
 Test Sulfuric acid
 CAS 7664-93-9
 Oral Toxicity LD 50 (rat) 2,140 mg/kg
 Dermal Toxicity LD 50 (rat) No data
 Inhalation Toxicity, Vapor (rat) 510 mg/m³ - 2 hr
 Eye Irritation (Rabbit) Corrosive
 Dermal Irritation (Rabbit) Extremely corrosive/ destructive to tissue.
 Likely/ possible routes of exposure: Inhalation, ingestion, skin and eye contact.
 Skin: The product is not expected to be toxic by skin absorption.
 Oral: The product is not expected to be toxic by ingestion.
 Inhalation: The product is not expected to be toxic by inhalation.
 May be harmful if swallowed and enters airways
 Causes skin irritation.
 Causes serious eye irritation
 Harmful to aquatic life.
 Sensitization: The product is not expected to be sensitizing.
 Chronic toxicity: Prolonged skin contact may defat the skin and produce dermatitis.
 Carcinogenicity: Not listed by NTP, IARC, OSHA or ACGIH as a suspect or potential carcinogen.

12. Ecological information

Persistence and degradability:
 This product is not expected to be inherently biodegradable, but is water soluble and can dissipate.
 Bio-accumulative potential: There is no evidence to suggest bioaccumulation will occur.
 Ecotoxicity:
 Toxicity to fish: LC50 - Gambusia affinis (Mosquito fish) - 42 mg/l - 96 h
 Persistence and degradability: no data available
 Bioaccumulative potential: no data available
 Mobility in soil: no data available
 Results of PBT and vPvB assessment: No data.

Safety Data Sheet

13. Disposal considerations

Product as made has the characteristic of corrosivity and qualifies as:

" Unlisted Hazardous Waste D002", RQ 100#.

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

DOT (US)

UN number: 2796 Class: 8 Packing group: II

Proper shipping name: Sulfuric acid

Reportable Quantity (RQ): Not possible in one non bulk container.

Poison Inhalation Hazard: No

15. Regulatory information

Inventory Status:

All components are on TSCA, EINECS/ELINCS, AICS, and DSL.

U.S. Regulations:

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

SARA (311/312) HAZARD CATEGORIES:

Acute Health Hazard, Chronic Health Hazard

SARA 313: This product contains the following SARA 313 Toxic Release Chemicals.

Chemical Name	CAS Number
Sulfuric acid	CAS 7664-93-9

The following product components are cited on the lists below:

Chemical Name	CAS Number	List Citations
Water	CAS 7732-18-5	RTK: PA, NJ
Sulfuric acid	CAS 7664-93-9	RTK: MA, PA, NJ

California Prop. 65 chemicals: This product contains chemicals known to State of California to cause cancer, birth defects, or other reproductive harm: Sulfuric acid

16. Other information

MSDS Preparation date: July 13, 2015

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference
Immediate	Yes	No	No	No	49 CFR 171.8, OSHA 29 CFR 1910.1200 and SARA 302/311/312/313.
Delayed	No	No	XXX	XXX	
HMIS Hazard ratings: Health 3 Fire 0 Instability 0 Other B (Goggles, gloves)					
Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4					

HMIS® is a registered trade and service mark of the NPCA.

This SDS contains all the information required for classification by the Canadian CPR.

This SDS is designed for workplace employees, emergency personnel and for conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's Occupational Safety and Health Administration (OSHA). It is not applicable for consumer use of our products.