POWERWASH.COM™ SUPPLIES CHEMICALS TRAINING

2300 Cold Springs Rd
Fort Worth, TX 76106

SAFETY DATA SHEET

A-402 Citrix Aluminum Brightener

1. GENERAL INFORMATION

TRADE NAME (COMMON NAME OR SYNONYM)			C.A.S. NO.
A-402 Citrix Aluminum Brightener			N/A
CHEMICAL NAME/DISCRIPTION			
Non-Hydroflouric Acid Brightner			
Emergency telephone number: ChemTel: 1-800-255-3924			Contract Number MIS0006628
ADDRESS (No., STREET, CITY, STATE, AND ZIP CODE)			
PowerWash.com 2300 Cold Springs Road Fort Worth, TX 76106			
CONTACT	PHONE NUMBER	ISSUED DATE	REVISED DATE
Delia Galindo	817-625-4213	2/27/2015	08/05/2015

2. GHS Classification

Signal Word: Danger

Skin: Category 3 Eyes: Category 3

Corrosive

Respiratory Sensitizer

HAZARD IDENTIFICATION

HAZARD DATA RATING: 1 – Health, 3 – Fire, 0 – Reactivity

0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Sever

GHS Hazard Statements

H290: May be corrosive to metals
H314: causes sever skin burns and eye damage

GHS Precautionary Statments

P260: Do not breath fumes, mist, vapors, or spray
P280: Wear eye protection, protective gloves, and protective clothing
P301+P330+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 or shower.
P304+P340: IF INHALED: Remove person to fresh air and keep 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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL OR COMPONENT/C.A.S. WT. % CHEMICAL NAME	CAS #	CONCENTRATION (%)
Ethylene Glycol Monobutyl Ether	CAS# 111-76-2	<5.0
Phosphoric Acid	CAS# 7664-38-2	<5.5
Citric Acid	CAS# 5949-29-1	<20.5
Sulfuric Acid	CAS# 7664-93-9	<25
Sodium Acid Pyrophosphate	CAS# 7758-16-9	<10
Sulfamic Acid	CAS# 53329-14-6	<10
Trade Secret	TS# 13-821-5	<6.5

4. FIRST AID MEASURES

Eyes: Hold the eyelids apart and flush the eye gently with large amounts of water for at least 15 minutes.
Skin: Flush skin with cool water. Wash the exposed area with plenty of soap and water.
Inhalation: Remove individual to fresh air and get immediate medical attention. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.
Ingestion: Have person drink a glass of water immediately if able to swallow. Get medical attention immediately. Do Not INDUCE VOMITING unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

EFFECTS OF OVEREXPOSURE

Acute: Skin: Major potential hazard. May cause severe burns with deep ulcerations. Eyes: May cause severe distruction and blindness. These effects can occur rapidly affecting all parts of the eye.
Chronic: Skin: repeated or prolonged skin contact would be expected to cause drying, cracking and inflammation of the skin. (dermatitis)

5. FIRE-FIGHTING MEASURES

SPECIAL FIRE HAZARDS: Use extinguishing media suitable for the surronunding fire.
FIRE FIGHTING METHODS: Use CO2 Foam or Dry Chemical
FLASH POINT: UNK.
FLAMMABLE LIMITS – LOWER: UNK **UPPER:** UNK

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they muist use appropriate certified respirators. Ensure clean up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up

Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

7. Handling and Storage

NORMAL HANDLING
Use smallest amounts possible in designated areas with adequate ventilation. Keep containers closed when not in use. Empty containers may contain hazardous residue. Avoid generateing mists. Transfer solutions using equipment that is corrosion resistant. Cautiously transfer into sturdy containers made of compatible materials. Never return contaminated material to its original container. Never add water to solution, always add solution to water and provide agitation.

STORAGE
Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Protect from damage. Store away from incompatible materials. Avoid freezing.

8. Exposure Control/Personal Protective Equipment

RESPIRATORY PROTECTION: n/a
EYES AND FACE: Full face shield and goggles when there is potentioal for contact.
HANDS, ARMS AND BODY: Wear appropriate personal protective equipment to prevent skin contact. Rubber chemical resistant gloves
OTHER CLOTHING AND EQUIPMENT: n/a

9. Physical Properties

MATERIAL IS (AT NORMAL CONDITIONS): Liquid	APPEARANCE AND ODOR Green liquid with Slight Acidic Solvent Odor	
BOILING POINT 212 degrees / MELTING POINT NA	SPECIFIC GRAVITY (H_2O = 1) 1.19	VAPOR DENSITY (AIR = 1) N/A
SOLUBILITY IN WATER (% by Weight) 100%	PH 1% Solution 2.0 - 3.0	VAPOR PRESSURE (mm Hg at 20^{o}C) N/A
EVAPORATION RATE ☐(Butyl Acetate = 1) ☐(Ether = 1) <1 (Ether =1)	% VOLATILES BY VOLUME (At 20^{o}C) 0	

10. Stability & Reactivity

STABILITY: Stable
INCOMPATIBILITY: Acids, acroein, chlorinated hydrocarbons, chlorine dioxide, maleic anhydride, potassium persulfate, tetahydrofuran, phosphorus, glycols, organic peroxides, aluminum, tin, zinc. Can produce carbon monoxide upon contact with sugars such as fructose, lactose and maltose. Corrossive to tin, aluminum, zinc, copper, brass and bronze.

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: None
CONDITIONS TO AVOID: Mixture with water, acid or incompatible materials can cause splattering and release of large amounts of heat. Will react with some metals forming flammable hydrogen gas.

11. TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE: Inhalation, Eye contact, Skin contact

Potential Health Effects

Eyes: May cause severe destruction and blindness. These effects can occur rapidly affecting all parts of the eye.
Skin: Major potential hazard. May cause severe burns with deep ulcerations. Ingestion: May be harmful if swallowed
Inhalation: Avoid breathing mist. Exposure may cause burning of the lungs and other tissues.

Experience with human exposure

Eyes: Flush eyes immediately with plenty of cool running water. Remove contact lenses. Continue flushing for 15 minutes holding eyelids open.
Skin: Flush skin with plenty of cool running water. Wash thoroughly with soap and water.
If Swallowed: Rinse mouth; then drink 1 or 2 large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person.
If Inhaled: Move immediately to fresh air; If breathing is difficult, admister oxygen.

12. Ecological and Aquatic Toxicity

BIODEGRADABILITY/AQUATIC TOXICITY: Material may be harmful to aquatic life. When discharged into a waste treatment system, this product is considered biodegradable.
OCTANOL/WATER PARITION COEFFICIENT: n/a
EPA HAZARDOUS SUBSTANCE? No **IF SO, REPORTABLE QUANITITY:** **40 CFR 116-117**

13. Disposal

WASTE DISPOSAL METHODS (DISPOSER MUST COMPLY WITH FEDERAL, STATE AND LOCAL DISPOSAL OR DISCHARGE LAWS.
Dispose of waste material at an approved waste treatment/disposal facility in accordance with applicable regulations. Do not dispose of with normal garbage or to sewer systems.

14. Transportation

D.O.T. CLASSIFICATION: UN1760, CORROSIVE LIQUIDS, (Contains Sulfuric Acid) n.o.s.,8,PGII

15. Regulatory

EPCRA- Emergency Planing and Community Right-to-Know
CERCLA Reportable Quantity: This material does mnot contain any components with a CERCLA RQ.
SARA 304 Extremely Hazardous Substances Reportable Quantity: This material does not contain ay components with a section 304 EHS RQ.
SECTION 313 (Specific toxic chemical listings): None of the ingredients is listed.
TSCA (Toxic Substances Control Act): All chemical substances in this product are included on or exempted from lising on the TSCA Inventory of Chemical Substances.

16. Other

	NFPA	HMIS
HEALTH	3	3
FLAMMABILITY	0	0
REACTIVITY	3	3
SPECIAL HAZARDS		
PROTECTIVE EQUIPMENT		

POWERWASH.COM CODE(S): A-402