

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Citra Bright Aluminum Brightener
Description: Low pH Cleaner
Product Code: NTA CB
Suggested Use: Washing Trailers
Restrictions on Use: None

Supplier: NuTech Specialties, Inc.
9811 South 6150 West
West Jordan, UT 84081
Telephone: 801-253-1000 (M-F) 8:00-5:00
Fax: 801-280-0307
Emergency Phone: 800-633-8253

2. HAZARDS IDENTIFICATION

Classification:

GHS Classification: Eye irritant 2A

GHS Label Elements

Pictogram:

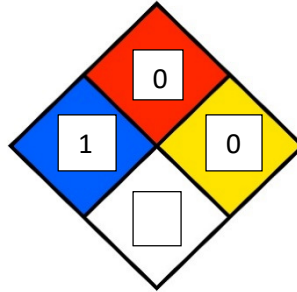


Signal Word: Warning
Hazard Statements: H319 Causes Serious Eye irritation

Precautionary
Statements:

P264, Wash exposed skin thoroughly after handling
P280, Wear eye 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.
P337, P313, If eye irritation persists: Get medical advice/attention

HMIS Classification:



NFPA Rating:

Health	1
Fire	0
Reactivity	0
Personal Protection	B

Potential Health Effects:

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	Concentration
Tricarboxylic acid	77-92-9	+/-20%
Diethylene glycol monobutyl ether (2-(2-butoxyethoxy)ethanol)	112-34-5	>5%
Hydrogen-chloride-anhydrous	7647-01-0	>5%

Synonyms:

4. FIRST AID MEASURES

If Inhaled: P301, P312 If SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Skin Contact: P302, P352 If On SKIN: Gently wash with plenty of soap and water

Product: Citra Bright Aluminum Brightener

Eye Contact: P305, P351, P338 If in EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If Ingested: P331, P312 Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

5. FIREFIGHTING MEASURES

Extinguishing Media: Use water-spray, alcohol resistant foam, dry chemical, or carbon dioxide

Hazardous Combustion Products: Firefighting personnel should respond with appropriate protective clothing, firefighting gear, and breathing equipment as trained.

Special Protective Equipment for Firefighters: In fire conditions: a complex mixture of airborne solids, liquids, and gases including Carbon Monoxide, Carbon Dioxide, and unidentified organic compounds.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Always ensure adequate ventilation.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Prevent from entering drains and waterways. Discharge into environment must be avoided.

Containment and Clean Up: Soak up with inert absorbent material and dispose of. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Safe Handling: Keep away from flames and hot surfaces. Use personal protective equipment. Always ensure adequate ventilation.

Safe Storage: Keep containers tightly closed in a dry well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Component	CAS Number	Exposure Limit	Basis
Tricarboxylic acid	77-92-9	None listed	
Diethylene glycol monobutyl ether (2-(2-butoxyethoxy)ethanol)	112-34-5	None listed	
Hydrogen-chloride-anhydrous	7647-01-0	5 ppm	PEL

General Controls: Always ensure adequate ventilation and that working areas contain safety showers and eye wash stations. Handle material in accordance with good industrial hygiene and safety practices.

Personal Protective Equipment

Eye Protection: Tightly fitting safety glasses or goggles should be sufficient. Have eye-wash stations available where eye contact can occur.

Hand Protection: Handle with chemical resistant gloves. Gloves must be inspected prior to use. Wash and dry hands after use.

Skin Protection: Wear long sleeves, a chemical apron, or other protective clothing to prevent skin contact. Safety showers should be located in work area where skin contact can occur.

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate, use a NIOSH-approved full face respirator with appropriate cartridges. Always ensure adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Color: Clear
Odor: Pungent
Odor Threshold: N/A
pH: 1
Melting/Freezing Point: <32°C
Boiling Point: >212°C
Flash Point: None
Evaporation Rate: N/A
Flammability (Solid, Gas): None
Flammability/Explosion Limits: None
Vapor Pressure @ 20°C: N/A
Vapor Density: N/A

Product: Citra Bright Aluminum Brightener

Specific Gravity: 1.08
Density: 9 lbs. per gallon
Solubility in Water: Complete
Partition Coefficient: N/A
Auto Ignition Temperature: None
Decomposition Temperature: N/A
Viscosity @ 40°C: N/A

10. STABILITY AND REACTIVITY

Chemical Stability: Stable
Conditions and Materials to Avoid: Oxidizers, Alkalies
Hazardous Decomposition Products: Oxides of Carbonates

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component	CAS Number	Test	Toxicity
Tricarboxylic acid	77-92-9		None listed
Diethylene glycol monobutyl ether (2-(2-butoxyethoxy)ethanol)	112-34-5		None listed
Hydrogen-chloride-anhydrous	7647-01-0	Oral LD50 (Rat) Inhalation LC50 (Rat)	900 mg/kg 3124 ppm/1H

Potential Health Effects

Inhalation: Aspiration hazard
Skin: Severe irritation
Eyes: Corrosive to eyes
Ingestion: Corrosive, aspiration hazard
Signs and Symptoms of Exposure: Burning sensation
Chronic Effects of Long Term Exposure: N/A
Carcinogenicity: None

12. ECOLOGICAL INFORMATION

Acute Ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
-----------	------------	----------	-------------

Ecological Effects

Persistence and Degradability: Not expected to biodegrade
Bioaccumulation Potential: Not expected to bio accumulate
Mobility in Soil: Product will leach into ground water
Other Adverse Effects: Toxic to aquatic life due to pH

13. DISPOSAL CONSIDERATIONS

Disposal: Material should be disposed in accordance with all local, state, and federal regulations. Regulations vary by region.
Contaminated Packaging: Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT Information

Proper Shipping Name: Not regulated
UN Number: N/A
Hazard Class: N/A
Packing Group: N/A
Reportable Quantity (RQ): N/A
Marine Pollutant: No
Note:

Product: Citra Bright Aluminum Brightener

15. REGULATORY INFORMATION

US Federal

SARA 302 Components: None
SARA 311/312 Hazards: Immediate (acute) health hazard
SARA 313 Components: None
TSCA Inventory:

European Union

EC Inventory: Yes- Listed

State Regulations

Utah Clean Air: Yes
California Prop 65: No
C.A.R.B. Yes

16. OTHER INFORMATION

SDS Version: 1.0
Revision Date: 05/05/2015
Supercedes: New to GHS

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or the 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 hazards that exist.

NuTech Specialites, Inc.

Validated on: 08/27/2015

Product: Citra Bright Aluminum Brightener