

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Citra Bright Aluminum Brightener HD  
Description: Low pH Cleaner  
Product Code: NTA CBHD  
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: Acute Toxicity 4  
Skin Irritation 2  
Aspiration Hazard 1  
Serious Eye Damage 1

### GHS Label Elements

Pictogram:



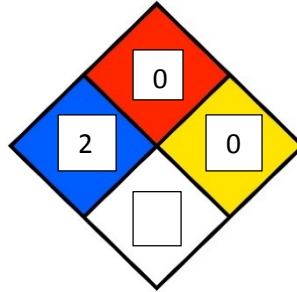
Signal Word: Danger

Hazard Statements: H302 Harmful if Swallowed  
H315 Causes Skin Irritation  
H318 Causes Serious Eye Damage  
H304 May be Fatal if Swallowed and Enters Airways

Precautionary Statements: P301, P312 If SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
P302, P352 If On SKIN: Gently wash with plenty of soap and water  
P305, P351, P338 If in EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P331, P312 Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Product: Citra Bright Aluminum Brightener HD

HMIS Classification:



NFPA Rating:

<b>Health</b>	2
<b>Fire</b>	0
<b>Reactivity</b>	0
Personal Protection	C

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 HD

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.

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## **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.

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## **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.

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## **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.

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## 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

Specific Gravity: 1.08

Density: 9 lbs. per gallon

Product: Citra Bright Aluminum Brightener HD

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
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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:

## 15. REGULATORY INFORMATION

US Federal

Product: Citra Bright Aluminum Brightener HD

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

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## 16. OTHER INFORMATION

SDS Version: 1.0  
Revision Date: 05/05/2015  
Supersedes: 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