NuTech Specialties Inc.

SAFETY DATA SHEET

Version: 1.0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	BioTech CR
Description:	Acidic Liquid
Product Code:	NTA BTCR
Suggested Use:	Truck Cleaning Agent
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: Skin Corrosion 1
Eye Damage 1

GHS Label Elements

Pictogram:

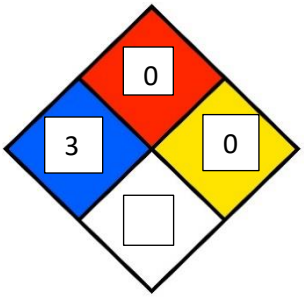
Signal Word: Danger

Hazard Statements: H314: Causes severe skin burns and eye damage

Precautionary Statements: P280: Wear protective gloves/protective clothing/eye protection/face protection.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P301 +P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification:



NFPA Rating:

Potential Health Effects:

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	Concentration
Phosphoric Acid	7664-38-2	15%
Citric Acid	77-92-9	5%
Hydrochloric Acid	7647-01-0	10

Synonyms:

4. FIRST AID MEASURES

If Inhaled:	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician if symptoms are experienced
Skin Contact:	Flush skin with plenty of water. Remove contaminated clothing and shoes. If irritation persists, consult a physician.
Eye Contact:	Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if able to do so. Immediately call a doctor or physician.
If Ingested:	Do not induce vomiting unless instructed to do so by physician. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult physician.

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. Do not freeze.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Component	CAS Number	Exposure Limit	Basis
Phosphoric Acid	7664-38-2	1 mg/m3	OSHA
Citric Acid	None Listed		
Hydrochloric Acid	7647-01-0	5 ppm	OSHA

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:	Acidic
Odor Threshold:	N/A

pH:	1
Melting/Freezing Point:	>0°C
Boiling Point:	<100°C
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (Solid, Gas):	N/A
Flammability/Explosion Limits:	N/A
Vapor Pressure @ 20°C:	N/A
Vapor Density:	N/A
Specific Gravity:	1.08
Density:	9 lbs per gal
Solubility in Water:	Soluble
Partition Coefficient:	N/A
Auto Ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity @ 40°C:	N/A

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions
Conditions and Materials to Avoid: Strong Alkalis, amines, metals

Hazardous Decomposition Products: Hydrogen chloride, chlorine, hydrogen gas

11. TOXICOLOGICAL INFORMATION

Acute Toxicity- Not determined

Component	CAS Number	Test	Toxicity
Phosphoric Acid	7664-38-2	Oral Rat	1530 mg/kg
Citric Acid	None listed	N/A	N/A
Hydrochloric Acid		Inhalation Rat	3124 ppm

Potential Health Effects

Product: BioTech CR

Inhalation:	Irritation to respiratory Tract
Skin:	Corrosive to Skin
Eyes:	Corrosive to eyes
Ingestion:	Irritation to GI tract
Signs and Symptoms of Exposure:	Painful burning
Chronic Effects of Long Term Exposure:	Prolonged inhaling may be harmful
Carcinogenicity:	No

12. ECOLOGICAL INFORMATION

Acute Ecotoxicity — Because of the lo pH, it would be expected to cause significant ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
No Data			

Ecological Effects

Persistence and Degradability:	Not biodegradable, acid would likely be neutralized by alkalinity in the soil
Bioaccumulation Potential:	
Mobility in Soil:	Mobile
Other Adverse Effects:	No other effects

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:	Corrosive liquid, NOS
UN Number:	UN 1760
Hazard Class:	8
Packing Group:	II
Reportable Quantity (RQ):	1000 lbs
Marine Pollutant:	No
Note:	

15. REGULATORY INFORMATION

US Federal

SARA 302 Components: None

SARA 311/312 Hazards: Accute Health Hazard

SARA 313 Components: Hydrochloric Acid

TSCA Inventory: Yes

European Union

EC Inventory:

State Regulations

Utah Clean Air: Yes

16. OTHER INFORMATION

SDS Version: 1.0

Revision Date: 1/4/2022

Supercedes:

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: