

## CRAFT BEER ACID CLEANER

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	CRAFT BEER ACID CLEANER
<b>Other Means of Identification</b>	ACDCL
<b>Product Family</b>	CRAFT BEER
<b>Recommended Use</b>	ACID CLEANER.
<b>Restrictions on Use</b>	THIS PRODUCT IS FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN.
<b>Manufacturer/Supplier Identifier</b>	BBSpro Services Inc., 204-11 Burbidge St , Coquitlam, BC, V3K 7B2, CANADA, BBSpro, (604) 420-4305
<b>Emergency Phone No.</b>	BBSpro, 1-877-420-4305 CANUTEC, (613) 996-6666
<b>SDS No.</b>	0077

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Acute toxicity (Oral) - Category 4; Skin corrosion - Category 1; Serious eye damage - Category 1

#### Label Elements



Signal Word:

Danger

Hazard Statement(s):

Harmful if swallowed, in contact with skin or if inhaled.

Causes severe skin burns and eye damage.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing.

Wash hands and skin thoroughly after handling.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Nitric acid	7697-37-2	15-40		
Phosphoric acid solutions	7664-38-2	5-15		

### SECTION 4. FIRST-AID MEASURES

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## First-aid Measures

### Inhalation

Take precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment). Remove source of exposure or move to fresh air. Keep at rest in a position comfortable for breathing. Avoid mouth-to-mouth contact by using a barrier device. Call a Poison Centre or doctor if you feel unwell.

### Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary. Quickly and gently blot or brush away excess chemical. Wash with plenty of water. Get medical advice or attention if you feel unwell or are concerned. Call a Poison Centre or doctor if you feel unwell. Clean clothing, shoes and leather goods.

### Eye Contact

Quickly and gently blot or brush chemical off the face. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice or attention.

### Ingestion

Rinse mouth with water. Call a Poison Centre or doctor if you feel unwell.

### First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

### Specific Hazards Arising from the Product

Does not burn.

Not known to generate any hazardous decomposition products in a fire.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### Environmental Precautions

It is good practice to prevent releases into the environment.

### Methods and Materials for Containment and Cleaning Up

No special clean-up methods are necessary.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Wear personal protective equipment to avoid direct contact with this chemical.

### Conditions for Safe Storage

Well-ventilated. Store in the original, labelled, shipping container.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Phosphoric acid solutions	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>			
Nitric acid	2 ppm	4 ppm	5 mg/m <sup>3</sup>			1 ppm

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## Appropriate Engineering Controls

Provide eyewash and safety shower if contact or splash hazard exists.

## Individual Protection Measures

### Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

### Respiratory Protection

Not required.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

<b>Appearance</b>	Clear. Particle Size: Not available
<b>Odour</b>	Pungent
<b>Odour Threshold</b>	Not available
<b>pH</b>	1.5
<b>Melting Point/Freezing Point</b>	Not available (melting); Not available (freezing)
<b>Initial Boiling Point/Range</b>	~ 100 °C (212 °F)
<b>Flash Point</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not applicable (liquid).
<b>Upper/Lower Flammability or Explosive Limit</b>	Not applicable (upper); Not available (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	1.08
<b>Solubility</b>	Soluble in all proportions in water; Not available (in other liquids)
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available (kinematic); Not available (dynamic)
<b>Other Information</b>	
<b>Physical State</b>	Liquid
<b>Molecular Formula</b>	Not available
<b>Molecular Weight</b>	Not available
<b>Bulk Density</b>	Not available
<b>Surface Tension</b>	Not available
<b>Critical Temperature</b>	Not available
<b>Electrical Conductivity</b>	Not available
<b>Vapour Pressure at 50 deg C</b>	Not available
<b>Saturated Vapour Concentration</b>	Not available

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive.

**Chemical Stability**

Normally stable.

**Possibility of Hazardous Reactions**

None expected under normal conditions of storage and use.

**Conditions to Avoid**

Alkaline conditions (high pH).

**Incompatible Materials**

Strong oxidizing agents (e.g. perchloric acid), strong bases (e.g. sodium hydroxide).  
Cast iron, carbon steel, zinc alloys, nickel, magnesium, lead, aluminum alloys.

**Hazardous Decomposition Products**

Very toxic carbon monoxide, carbon dioxide.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Information presented below is for the entire product, unless otherwise specified.

**Likely Routes of Exposure**

Eye contact; skin contact; inhalation; ingestion.

**Acute Toxicity**

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Phosphoric acid solutions	> 213 mg/m <sup>3</sup> (rat) (4-hour exposure)	1530 mg/kg (rat)	2740 mg/kg (rabbit)
Nitric acid	1250 ppm (rat) (4-hour exposure)	Not available	Not available

LC50: No information was located.

LD50 (oral): No information was located.

LD50 (dermal): No information was located.

**Skin Corrosion/Irritation**

Corrosive based on information for closely related materials.

**Serious Eye Damage/Irritation**

May cause serious eye damage based on information for closely related materials.

**STOT (Specific Target Organ Toxicity) - Single Exposure****Inhalation**

May be harmful based on information for closely related materials.

**Skin Absorption**

No information was located.

**Ingestion**

May be harmful based on information for closely related materials.

**Aspiration Hazard**

May be drawn into the lungs (aspirated) if swallowed or vomited.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure**

Conclusions cannot be drawn from the limited studies available.

**Respiratory and/or Skin Sensitization**

No information was located.

**Carcinogenicity**

Conclusions cannot be drawn from the limited studies available.

**Reproductive Toxicity**

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**Development of Offspring**

Conclusions cannot be drawn from the limited studies available.

**Sexual Function and Fertility**

Conclusions cannot be drawn from the limited studies available.

**Effects on or via Lactation**

Conclusions cannot be drawn from the limited studies available.

**Germ Cell Mutagenicity**

Conclusions cannot be drawn from the limited studies available.

**Interactive Effects**

No information was located.

**SECTION 12. ECOLOGICAL INFORMATION**

Environmental information was not located.

**Ecotoxicity**

Studies were not located.

**Persistence and Degradability**

No information was located.

**Bioaccumulative Potential**

No information was located.

**Mobility in Soil**

Studies are not available.

**Other Adverse Effects**

There is no information available.

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal Methods**

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

**SECTION 14. TRANSPORT INFORMATION**

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1760	NITRIC ACID	8	II

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**SECTION 15. REGULATORY INFORMATION****Safety, Health and Environmental Regulations**

None known.

**SECTION 16. OTHER INFORMATION**

**SDS Prepared By** BBSpro  
**Phone No.** 18774204305  
**Date of Preparation** May 19, 2021

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**Key to Abbreviations** ACGIH® = American Conference of Governmental Industrial Hygienists  
AIHA® = AIHA® Guideline Foundation OSHA = US Occupational Safety and Health Administration

**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).

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