



Crest Acid 10B

SECTION 1. IDENTIFICATION

Product Identifier	Crest Acid 10B
Recommended Use	Acid Cleaner.
Manufacturer/Supplier Identifier	Excalibur Chemicals, 1120 McDonald St., Regina, SK, S4N 4X3, 306-569-2781, www.excaliburindustrial.com
Emergency Phone No.	Canutec, (613) 996-6666, Collect calls accepted or dial 666 on your cellular
SDS No.	1

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Classification

Corrosive to metals - Category 1; Acute toxicity (Oral) - Category 4; Skin corrosion - Category 1C; Serious eye damage - Category 1; Carcinogenicity - Category 1A

Label Elements



Danger

Causes severe skin burns and eye damage.

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

May cause cancer.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTRE or doctor if you feel unwell.

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Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Phosphoric acid solutions	7664-38-2	60-70	
2-Butoxyethanol	111-76-2	0.5-1.5	
Poly(oxy-1,2-ethanediyl), alpha-decyl-omega-hydroxy-	26183-52-8	0.5-1.5	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Keep at rest in a position comfortable for breathing.

Skin Contact

Immediately rinse with lukewarm, gently flowing water for 15-20 minutes.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion

Rinse mouth with water. Drink 1 or 2 glasses of water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting.

First-aid Comments

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

Most Important Symptoms and Effects, Acute and Delayed

Review Section 11 (Toxicological) of this Safety Data Sheet.

Immediate Medical Attention and Special Treatment

Special Instructions

Treat Symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

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Not combustible. Use extinguishing agent suitable for surrounding fire.

Specific Hazards Arising from the Product

See Section 9 (Physical and Chemical Properties) for flash point and explosive limits.

Special Protective Equipment and Precautions for Fire-fighters

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

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

Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Neutralize carefully with an alkali such as soda ash or lime. Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Large spills or leaks: dike spilled product to prevent runoff. Review Section 13 (Disposal Considerations) of this safety data sheet.

Other Information

Contact supplier, local fire and emergency services for help. Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Prevent accidental contact with incompatible chemicals. Wear personal protective equipment to avoid direct contact with this chemical. Keep containers tightly closed when not in use or empty.

Conditions for Safe Storage

Store in the original, labelled, shipping container. Separate from incompatible materials (see Section 10: Stability and Reactivity). Comply with all applicable health and safety regulations, fire and building codes.

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 ³	3 mg/m ³				

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2-Butoxyethanol	20 ppm A3		25 ppm Skin			
Poly(oxy-1,2-ethanediyl), alpha-decyl-omega-hydroxy-	Not established		Not established			

Appropriate Engineering Controls

General ventilation is usually adequate.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

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

Respiratory Protection

Wear a NIOSH approved particulate respirator equipped with an N95, R95, or P95 filter.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear colourless liquid.
Odour	Pungent
pH	1.4
Initial Boiling Point/Range	225 °F
Flash Point	Not applicable
Evaporation Rate	< 1 (n-butyl acetate = 1)
Flammability (solid, gas)	Not applicable (liquid).
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	360 mm Hg
Vapour Density (air = 1)	> 1
Relative Density (water = 1)	1.34 - 1.36
Solubility	Soluble in water
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

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Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Incompatible materials.

Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid), metals (e.g. aluminum). Alkali chemicals.

Hazardous Decomposition Products

Carbon oxides, oxides of phosphorus other unidentified organic compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

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

Likely Routes of Exposure

Inhalation; skin contact; skin absorption; eye contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Phosphoric acid solutions	> 213 mg/m ³ (rat) (4-hour exposure)	1530 mg/kg (rat)	
2-Butoxyethanol	925 ppm (rat) (4-hour exposure)	530 mg/kg (female rat)	
Poly(oxy-1,2-ethanediyl), alpha-decyl-omega-hydroxy-	Not available	Not available	

Skin Corrosion/Irritation

Repeated or prolonged exposure can irritate or burn the skin.

Serious Eye Damage/Irritation

May irritate or burn the eyes. Permanent damage including blindness may result.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause severe nose and throat irritation.

Skin Absorption

May cause chemical burns.

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Ingestion

Harmful May cause severe irritation or burns to the mouth, throat and stomach.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Effects similar to STOT (Specific Target Organ Toxicity) - Single Exposure, as described above.

Respiratory and/or Skin Sensitization

Not a respiratory sensitizer. Not a skin sensitizer.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Phosphoric acid solutions	Group 1	Not designated	Not Listed	Not Listed
2-Butoxyethanol	Group 3	A3	Not Listed	Not Listed
Poly(oxy-1,2-ethanediyl), alpha-decyl-omega-hydroxy-	Not Listed	Not designated	Not Listed	Not Listed

Key to Abbreviations

Group 1 = Carcinogenic to humans. Group 3 = Not classifiable as to its carcinogenicity to humans. A3 = Animal carcinogen.

No information was located for: Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

Environmental information was not located.

Ecotoxicity

No data is available on the product itself. It is good practice to prevent releases into the environment.

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

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Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1805	Phosphoric Acid (Phosphoric acid solutions)	8	III

Environmental Hazards Environmentally Hazardous Substance (Phosphoric acid solutions)

Special Precautions Not applicable

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

Not applicable

Emergency Response Guide No. 154

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

WHMIS 1988 Classification

E - Corrosive

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Listed on the DSL.

CEPA - National Pollutant Release Inventory (NPRI)

(2-Butoxyethanol) Part 1A, Part 5.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

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NFPA Rating	Health - 3 Flammability - 0 Instability - 0
SDS Prepared By	Excalibur Industrial
Phone No.	306-569-2781
Date of Preparation	June 22, 2016
Key to Abbreviations	ACGIH® = American Conference of Governmental Industrial Hygienists AIHA® = AIHA® Guideline Foundation. HSDB® = Hazardous Substances Data Bank IARC = International Agency for Research on Cancer NFPA = National Fire Prevention Association NIOSH = National Institute for Occupational Safety and Health NTP = National Toxicology Program OSHA = US Occupational Safety and Health Administration RTECS® = Registry of Toxic Effects of Chemical Substances
References	CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).
Disclaimer	Information for this SDS was obtained from sources considered technically accurate and reliable. While every effort has been made to insure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements GHS/WHMIS 2015. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form.

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