



# Safety Data Sheet

## Counteract

### SECTION 1. IDENTIFICATION

**Product Identifier** Counteract  
**Other Means of Identification** Code No. 202  
**Recommended Use** Acid Cleaner.  
**Restrictions on Use** Use only as directed according to label instructions.  
**Manufacturer** Leysons Products, a division of 1787528 Ontario Inc., 1366 Sandhill Drive, Ancaster, Ontario, L9G 4V5, (905) 648-7832  
**Emergency Phone No.** CANUTECH, 613-996-6666, 24-hr for Emergencies involving Dangerous Goods  
**SDS No.** 0225

### SECTION 2. HAZARD IDENTIFICATION

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

#### Classification

Skin corrosion - Category 1B; Serious eye damage - Category 1

#### Label Elements



Danger  
Corrosive  
Causes severe eye damage and skin irritation or burns.  
Harmful if swallowed.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Phosphoric acid solutions	7664-38-2	5-10		
Citric acid	77-92-9	1-5		
2-Butoxyethanol	111-76-2	1-5		

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

If irritation is experienced, remove person to fresh air.  
Get medical advice or attention if you feel unwell or are concerned.

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### **Skin Contact**

In case of contact, immediately flush skin with plenty of water.  
Remove contaminated clothing and shoes.  
Wash clothing before reuse.  
Call a physician if irritation develops or persists.

### **Eye Contact**

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open.  
If eye irritation persists, get medical advice or attention.

### **Ingestion**

In case of ingestion, call a doctor or anti-poison Centre.

### **Most Important Symptoms and Effects, Acute and Delayed**

Harmful if swallowed.  
May cause severe eye irritation or burns.  
May cause skin irritation on prolonged contact.

### **Immediate Medical Attention and Special Treatment**

#### **Target Organs**

Eyes, skin, respiratory system, digestive system.

#### **Medical Conditions Aggravated by Exposure**

Asthma, skin allergies.

## **SECTION 5. FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Not combustible. Use extinguishing agent suitable for surrounding fire.

#### **Unsuitable Extinguishing Media**

None known.

### **Specific Hazards Arising from the Product**

This product presents no unusual hazards in a fire situation.

### **Special Protective Equipment and Precautions for Fire-fighters**

Wear full fire fighting equipment and respirator.

## **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.  
Increase ventilation to area or move leaking container to a well-ventilated and secure area.

### **Environmental Precautions**

Do not allow into any sewer, on the ground or into any waterway.  
If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.  
Minimize the use of water to prevent environmental contamination.

### **Methods and Materials for Containment and Cleaning Up**

Contain and/or absorb spill with commercial absorbents and then place into a suitable container for disposal.  
Large spills can be neutralized with sodium carbonate.

## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Do not get in eyes, on skin or on clothing.  
Do NOT ingest.

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Avoid generating vapours or mists.

Avoid repeated or prolonged skin contact with product or with contaminated equipment/surfaces.

Keep containers tightly sealed when not in use.

#### Conditions for Safe Storage

Store in a cool dry area away from incompatible materials.

Keep out of reach of children in a tightly closed container away from food, drink and animal feed.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Citric acid	Not established					
Phosphoric acid solutions	1 mg/m3	3 mg/m3				
2-Butoxyethanol	20 ppm		25 ppm			

### Appropriate Engineering Controls

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

Provide eyewash in work area, 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 protective gloves and clothing to prevent skin contact.

#### Respiratory Protection

Use in well ventilated areas. In case of insufficient ventilation, wear suitable respiratory equipment.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Clear blue - green liquid.
Odour	Apple
pH	< 1.5
Melting Point/Freezing Point	~ 0 °C (32 °F) (freezing)
Flash Point	Not applicable
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Solubility	Soluble in water
Other Information	
Physical State	Liquid
Bulk Density	~ 1.06 kg/L

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

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Avoid contact with alkaline (basic) chemicals.

#### Conditions to Avoid

High temperatures.

Freezing.

Incompatible materials.

#### Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid), strong reducing agents (e.g. hydrides), strong bases (e.g. sodium hydroxide).

#### Hazardous Decomposition Products

May include but are not limited to oxides of carbon, nitrogen and ammonia.

## SECTION 11. TOXICOLOGICAL INFORMATION

#### Likely Routes of Exposure

Inhalation.

Skin contact.

Skin absorption.

Eye contact.

Ingestion.

#### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Citric acid		3000 mg/kg (rat)	
Phosphoric acid solutions	25.5 mg/m3 (rat) (4-hour exposure)	1250 mg/kg (rat)	1260 mg/kg (rabbit)
2-Butoxyethanol	450 ppm (rat) (4-hour exposure)	530 mg/kg (rat)	400-500 mg/kg (rabbit)

#### Skin Corrosion/Irritation

May cause irritation or symptoms such as redness, edema, drying, defatting or cracking of the skin.

May cause irritation on prolonged contact.

#### Serious Eye Damage/Irritation

May cause severe irritation or burns.

#### STOT (Specific Target Organ Toxicity) - Single Exposure

##### Inhalation

May cause irritation of the respiratory system.

##### Skin Absorption

May cause severe irritation or burns on prolonged contact.

##### Ingestion

May cause burns or irritation of the digestive system including nausea or vomiting.

Harmful if swallowed.

#### Aspiration Hazard

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

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

No chronic effects are expected provided adequate person protection is taken during usage.

#### Respiratory and/or Skin Sensitization

Not expected to produce any respiratory system problems when used in a well ventilated area.

#### Carcinogenicity

Not known to cause cancer.

#### Reproductive Toxicity

**Development of Offspring**

Not known to harm the unborn child.

**Sexual Function and Fertility**

Not known to cause effects on sexual function or fertility.

**Effects on or via Lactation**

Not known to cause effects on or via lactation.

**Germ Cell Mutagenicity**

Not known to be a mutagen.

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

May cause long-term adverse effects in the aquatic environment.

**Persistence and Degradability**

May cause long-term adverse effects in the aquatic environment.

**Bioaccumulative Potential**

No information was located.

**Mobility in Soil**

No information was located.

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

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

**SECTION 14. TRANSPORT INFORMATION**

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

**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****Canada****WHMIS 1988 Classification**

Class D2B



Class E

D2B - Toxic (Skin irritant; Eye irritant); 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.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** Mark Bryans

**Phone No.** (905) 648-7832 ext 351

**Date of Preparation** November 16, 2017

**Disclaimer** The user of this product assumes all risks incident to the use of this product.  
To the best of our knowledge, the information contained herein is accurate.  
However, the supplier assumes no liability whatsoever for the accuracy or completeness of the information contained herein.  
No representation of warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers.  
The data contained on this sheet apply to the products supplied to the user.

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