

# Safety Data Sheet

Issue Date 24-Mar-2017

Revision Date: 30-Aug-2019

Version 1.0

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Acid CIP

### Other means of Identification

**Product Code** D02034/ D02035

### Recommended use of the Chemical and Restrictions on Use

**Recommended Use** Acid circulation cleaner. For industrial use.

### Details of the Supplier of the Safety Data Sheet

Victoria Bay Products  
255 Route 1 & 9  
Jersey City, NJ 07306

### Emergency Telephone Number

**Company Phone Number** Phone: 1-800-226-3233  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Pink

**Physical State** Liquid

**Odor** Acidic

### Classification

Skin corrosion/irritation	Category 1 Sub-category A
Serious eye damage/eye irritation	Category 1
Oxidizing liquids	Category 3
Corrosive to Metals	Category 1

### Signal Word

**Danger**



### Hazard Statements

Causes severe skin burns and eye damage.  
May intensify fire; oxidizer.  
May be corrosive to metals.

### Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray.  
Keep away from heat.  
Keep/Store away from combustible materials.  
Wash face, hands and any exposed skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Keep only in original container.

### Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.  
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
IN CASE OF SPILL: Absorb spillage to prevent material damage.

**Precautionary Statements - Storage**

Store locked up.  
Store in corrosive resistant container with a resistant inner liner.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

**Other Hazards**

Harmful to aquatic life with long lasting effects.

**Unknown Acute Toxicity**

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	40-70
Nitric Acid	7697-37-2	15-40
Phosphoric Acid	7664-38-2	1-5

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

**First Aid Measures****Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove and discard contact lenses. Seek immediate medical attention/advice.

**Skin Contact**

Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention immediately.

**Inhalation**

Remove to fresh air. Seek immediate medical attention/advice.

**Ingestion**

Rinse mouth. Drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**Most Important Symptoms and Effects****Symptoms**

Corrosive to eyes. Contact will cause irritation and redness to exposed areas. Prolonged contact may even cause severe skin irritation or mild burn. Chronic exposure may cause liver, kidney and/or blood disorders.

**Indication of Any Immediate Medical Attention and Special Treatment Needed****Notes to Physician**

Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Water spray (fog). Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam.

**Unsuitable Extinguishing Media**

Not determined.

**Specific Hazards Arising from the Chemical**

None known.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**Personal Precautions** Use personal protective equipment as required.

**Environmental Precautions** Avoid release to the environment.

### Methods and Material for Containment and Cleaning Up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Collect spillage. Collect in a clean, dry waste container for disposal. Dilute remaining residue with water.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

**Advice on Safe Handling** Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

### Conditions for Safe Storage, including Any Incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children. Keep from freezing. Keep only in original container.

**Incompatible Materials** Alkali. Soft metals. Hypochlorite solutions. Strong Oxidizers. Combustibles. Uncontrolled contact with water.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Nitric Acid 7697-37-2	TWA: 2 ppm (5 mg/m <sup>3</sup> ) STEL: 4 ppm (10 mg/m <sup>3</sup> )	TWA: 2 ppm (5mg/m <sup>3</sup> )	IDLH: 25 ppm TWA: 2 ppm (5 mg/m <sup>3</sup> ) STEL: 4 ppm (10 mg/m <sup>3</sup> )
Phosphoric Acid 7664-38-2	STEL: 3 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> (vacated) TWA: 1 mg/m <sup>3</sup> (vacated) STEL: 3 mg/m <sup>3</sup>	IDLH: 1000 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>

### Appropriate Engineering Controls

**Engineering Controls** Ventilation systems. Eyewash stations. Showers.

### Individual Protection Measures, such as Personal Protective Equipment

**Eye/Face Protection** Splash goggles or safety glasses.

**Skin and Body Protection** Rubber, Nitrile, PVC, or other chemically resistant skin protection to prevent contact.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Acidic
<b>Appearance</b>	Clear		

<b>Color</b>	Pink	<b>Odor Threshold</b>	Not determined
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	< 2		
Melting Point/Freezing Point	Not known		
Boiling Point/Boiling Range	100.5 °C / 213 °F		
Flash Point	Not applicable		
Evaporation Rate	Not determined		
Flammability (Solid, Gas)	n/a-liquid		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	Not determined		
Vapor Density	Not determined		
Specific Gravity	1.19		
Water Solubility	Completely soluble	@ 25 °C (77 °F)	
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Keep out of reach of children. Keep from freezing.

### Incompatible Materials

Bases. Strong Oxidizers. Galvanized steel. Soft metals. Hypochlorite solutions. Combustibles. Uncontrolled contact with water.

### Hazardous Decomposition Products

When exposed to fire, produces normal products of combustion. Oxides of Nitrogen, Phosphorus, and Carbon.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

<b>Eye Contact</b>	Causes severe eye damage.
<b>Skin Contact</b>	Causes severe skin burns.
<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Ingestion</b>	Do not taste or swallow.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Nitric Acid 7697-37-2	-	-	0.13 mg/L (Rat) 4 h
Phosphoric Acid 7664-38-2	= 1530 mg/kg ( Rat )	= 2730 mg/kg ( Rabbit )	> 850 mg/m <sup>3</sup> ( Rat ) 1 h

### Information on Physical, Chemical and Toxicological Effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### Numerical Measures of Toxicity

Not determined

### Unknown Acute Toxicity

None known.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Nitric Acid 7697-37-2	-	-	-	-
Phosphoric Acid 7664-38-2	-	3 - 3.5: 96 h Gambusia affinis mg/L LC50	-	4.6: 12 h Daphnia magna mg/L EC50

### Persistence/Degradability

Not determined

### Bioaccumulation

Not determined

### Mobility

Not determined

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

### California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Nitric Acid 7697-37-2	Toxic Corrosive Ignitable
Phosphoric Acid 7664-38-2	Corrosive

## 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT UN/ID No** UN3264, Corrosive Liquid, Acidic, Inorganic, NOS (Containing Nitric Acid and Phosphoric Acid), 8, PG II

**IATA**

**IMDG Marine Pollutant** This material may meet the definition of a marine pollutant

## 15. REGULATORY INFORMATION

**International Inventories**

Canada – Domestic Substances List (DSL)  
TSCA (Toxic Substances Control Act)

All ingredients are listed or exempt.  
All ingredients are listed or exempt.

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List*

**US Federal Regulations****CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Nitric Acid 7697-37-2	1000 lb	1000 lb	RQ 1000 lb final RQ RQ 454 kg final RQ
Phosphoric Acid 7664-38-2	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

**SARA 311/312 Hazard Categories**

**Acute Health Hazard** Yes  
**Chronic Health Hazard** Yes  
**Reactive Hazard** Yes

**SARA 313**

This product contains the following toxic chemicals subject to reporting requirements.

Chemical Name	CAS No	Weight-%
Nitric Acid	7697-37-2	15-40

**CWA (Clean Water Act)**

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Nitric Acid 7697-37-2	1000 lb			X
Phosphoric Acid 7664-38-2	5000 lb			X

**US State Regulations****U.S. State Right-to-Know Regulations**

Chemical Name	State List
Nitric Acid 7697-37-2	MA, NJ, PA
Phosphoric Acid 7664-38-2	MA, NJ, PA

AZ- Arizona Ambient Air Quality Guidelines  
CT- Connecticut Hazardous Air Pollutants

IL- Illinois Toxic Air Contaminant-Carcinogenic  
MA- Massachusetts Right to Know List

CA- California Director's List of Hazardous Substances  
 CAP65- California Prop65  
 FL- Florida Substances List  
 ID- Idaho Non-Carcinogen Toxic Air Pollutants

MN- Minnesota Hazardous Substances List  
 NJ- New Jersey Right to Know List  
 PA- Pennsylvania Right to Know List  
 RI- Rhode Island Hazardous Substances List

**16. OTHER INFORMATION**

<u><b>NFPA</b></u>	<b>Health Hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Instability</b> Not determined	<b>Special Hazards</b> Not determined
<u><b>HMIS</b></u>	<b>Health Hazards</b> 3	<b>Flammability</b> 0	<b>Physical Hazards</b> 2	<b>Personal Protection</b> Not determined

**Issue Date** 24-Mar-2017  
**Revision Date:** 24-Mar-2017  
**Revision Note** Version 1.0

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Keep Out of Reach of Children. For Industrial and Institutional Use Only.**

\*Denotes changes from last version.

**End of Safety Data Sheet**