



---

## Section 01 - Identification

---

<b>Product Identifier</b>	Bowl & Urinal Cleaner
<b>Other Means of Identification</b>	None
<b>Product Use and Restrictions on Use</b>	Cleaning agent.
<b>Initial Supplier Identifier</b>	Advance Chemicals Ltd. 1500 Quebec Avenue Saskatoon, SK. Canada S7K 1V7
<b>Prepared By</b>	ClearTech Industries Inc. Technical Writer Phone: 1 (800) 387-7503
<b>24-Hour Emergency Phone</b>	Phone: 1 (306) 664 – 2522

---

## Section 02 - Hazard Identification

---

### GHS-Classification

<b>Skin Corrosion/Irritation</b>	Category 1B
<b>Serious Eye Damage/Irritation</b>	Category 1
<b>STOT-Single Exposure</b>	Category 3

### Physical Hazards

<b>Corrosive to Metals</b>	Category 1
----------------------------	------------

### **Danger**

### **Hazards Statements**

H314 – Causes severe skin burns and eye damage.  
H335 – May cause respiratory irritation.  
H290 – May be corrosive to metals.

### **Pictograms**



## Precautionary Statements

P234 – Keep only in original container.

P403 + P233 – Store in a well-ventilated place. Keep container tightly closed.

P405 – Store locked up.

P271 – Use only outdoors or in a well-ventilated area.

P260 – Do not breathe mist, vapours or spray.

P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P280 – Wear protective gloves, protective clothing, eye protection, and face protection.

P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P363 – Wash contaminated clothing before reuse.

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P301 + P330 + P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P310 – Immediately call a POISON CENTER or doctor/physician.

P390 – Absorb spillage to prevent material damage.

P501 – Dispose of contents/container in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

---

## Section 03 - Composition / Information on Ingredients

---

Chemical Name	CAS Number	Weight %	Unique Identifiers
Nonylphenyl Polyethylene Glycol Ether	127087-87-0	1-15%	
Hydrochloric Acid	7647-01-0	15-30%	
Water and/or ingredients not classified as hazardous under the Hazardous Products Regulations		Balance	

---

## Section 04 - First Aid Measures

---

<b>Inhalation</b>	Remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek immediate medical attention.
<b>Skin Contact / Absorption</b>	Remove contaminated clothing. Rinse skin with lukewarm, gently flowing water for 30 minutes. Seek immediate medical attention. Completely decontaminate clothing, shoes and leather goods before re-use or discard.
<b>Eye Contact</b>	Immediately flush eye(s) with lukewarm, gently flowing water for 30 minutes, while forcibly holding the eyelid(s) open to ensure complete irrigation of the eye tissue. If a contact lens is present, remove only if easy to do so. Neutral saline solution may be given as soon as it is available. Seek immediate medical attention.
<b>Ingestion</b>	NEVER give anything by mouth if victim is rapidly losing consciousness, is unconscious or convulsing. Have victim rinse mouth with water. Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Have victim rinse mouth again. Seek medical attention.
<b>Additional Information</b>	This chemical is very toxic. Take proper precautions to ensure your own safety before assisting others. Do not allow victim to move around unnecessarily as symptoms of pulmonary edema can be delayed up to 48 hours after exposure. NOTE: Any skin or eye contact will also involve significant inhalation exposure.

---

## Section 05 - Fire Fighting Measures

---

<b>Suitable Extinguishing Media</b>	Use extinguishing agents suitable for surrounding fire.
<b>Unsuitable Extinguishing Media</b>	Not Available
<b>Specific Hazards Arising From the Chemical</b>	Carbon oxides, hydrogen gas and chlorine gas. Closed containers may rupture in a fire or when exposed to high heat.

**Special Protective Equipment and Precautions for Fire-Fighters**      Wear NIOSH-approved self-contained breathing apparatus and protective gear.

**Further Information**      Not Available

---

## **Section 06 - Accidental Release Measures**

---

**Personal Precautions / Protective Equipment / Emergency Procedures**      Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so. Flush with water to remove any residue.

**Environmental Precautions**      Prevent product from entering sewers, waterways or confined spaces.

**Methods and Materials for Containment and Cleaning Up**      SMALL SPILLS: Contain and clean up spill with non-reactive absorbent material and place in suitable, labelled containers for proper disposal. Contaminated absorbent may pose the same hazards as the spilled product.  
LARGE SPILLS: Contact fire and emergency services and supplier for advice.

---

## **Section 07 - Handling and Storage**

---

**Precautions for Safe Handling**      Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.

**Conditions for Safe Storage**      Store in a cool, dry, well-ventilated area, out of direct sunlight and away from heat. Keep container tightly closed. Store away from incompatible materials.

**Incompatibilities**      Metals, sulphides, cyanides, fluorides, carbides, silicates and strong oxidizing agents.

---

## **Section 08 - Exposure Controls and Personal Protection**

---

### **Exposure Limit(s)**

<b>Component</b>	<b>Regulation</b>	<b>Type of Listing</b>	<b>Value</b>
Hydrochloric Acid	ACGIH	TLV-C	2 ppm
	OSHA	PEL-T-C	5 ppm

### **Engineering Control(s)**

**Ventilation Requirements**      Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions must be provided in accordance with all fire codes and regulatory requirements. Supply sufficient replacement air to make up for air removed by exhaust systems.

**Other**      Emergency shower and eyewash must be available and tested in accordance with regulations and be in close proximity.

### **Protective Equipment**

**Eyes/Face**      Chemical goggles, full-face shield, or a full-face respirator is to be worn at all times when product is handled. Contact lenses should not be worn; they may contribute to severe eye injury.

**Hand Protection**      Impervious gloves of chemically resistant material (rubber or PVC) should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.

**Skin and Body Protection**      Body suits, aprons, and/or coveralls of chemical resistant material should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.  
Impervious boots of chemically resistant material should be worn at all times. No special footwear is required other than what is mandated at place of work.

**Respiratory Protection**

NIOSH RECOMMENDATIONS FOR HYDROGEN CHLORIDE CONCENTRATIONS IN AIR:

Up to 50 ppm: Chemical cartridge respirator with cartridge(s) to protect against hydrogen chloride; or gas mask with canister to protect against hydrogen chloride; or powered air-purifying respirator with cartridge(s) to protect against hydrogen chloride; or SAR; or full-facepiece SCBA.

EMERGENCY OR PLANNED ENTRY INTO UNKNOWN CONCENTRATION OR IDLH CONDITIONS: Positive pressure, full-facepiece SCBA; or positive pressure, full-facepiece SAR with an auxiliary positive pressure SCBA.

ESCAPE: Gas mask with acid gas canister; or escape-type SCBA.

NOTE: The IDLH concentration for hydrogen chloride is 50 ppm.

**Thermal Hazards**

Not Available

---

**Section 09 - Physical and Chemical Properties**

---

**Appearance**

<b>Physical State</b>	Liquid
<b>Colour</b>	Clear, purple
<b>Odour</b>	Slight acid-like odour
<b>Odour Threshold</b>	Not Available

**Property**

<b>pH</b>	<2
<b>Melting Point/Freezing Point</b>	Not Available
<b>Initial Boiling Point and Boiling Range</b>	Not Available
<b>Flash Point</b>	Not Applicable
<b>Evaporation Rate</b>	Not Available
<b>Flammability</b>	Non-flammable
<b>Upper Flammable Limit</b>	Not Applicable
<b>Lower Flammable Limit</b>	Not Applicable
<b>Vapour Pressure (mm Hg, 20°C)</b>	Not Available
<b>Vapour Density (Air=1)</b>	Not Available
<b>Relative Density</b>	Not Available
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition Coefficient: n-octanol/water</b>	Not Available
<b>Auto-ignition Temperature</b>	Not Applicable

<b>Decomposition Temperature</b>	Not Available
<b>Viscosity</b>	Not Available
<b>Explosive Properties</b>	Not Available
<b>Specific Gravity (Water=1)</b>	1.08
<b>% Volatiles by Volume</b>	Not Available
<b>Formula</b>	Mixture
<b>Molecular Weight</b>	Not Available

---

## Section 10 - Stability and Reactivity

---

<b>Reactivity</b>	Not Available
<b>Stability</b>	Stable.
<b>Possibility of Hazardous Reactions</b>	Hazardous polymerization will not occur.
<b>Conditions to Avoid</b>	High temperatures.
<b>Incompatible Materials</b>	Metals, sulphides, cyanides, fluorides, carbides, silicates and strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	None reported.

---

## Section 11 - Toxicological Information

---

### Acute Toxicity Estimate

<b>Component</b>	<b>Oral LD<sub>50</sub></b>	<b>Dermal LD<sub>50</sub></b>	<b>Inhalation LC<sub>50</sub></b>
Bowl & Urinal Cleaner	2523 mg/kg	5226 mg/kg	1.5 mg/L

This product has been classified in accordance with the Hazardous Products Regulations using ATE formula documented in the GHS standard.

### Chronic Toxicity – Carcinogenicity

<b>Component</b>	<b>IARC</b>
Bowl & Urinal Cleaner	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

<b>Skin Corrosion/Irritation</b>	Corrosive. Capable of causing severe burns, blisters, ulcers and permanent scarring.
<b>Ingestion</b>	Can cause burns to the lips, tongue, throat and stomach; abdominal pain; nausea; vomiting; diarrhea and death.
<b>Inhalation</b>	Hydrogen chloride gas can be readily released and poses a serious inhalation hazard. High concentrations can cause constriction of the larynx and bronchi. A severe exposure can result in a potentially fatal accumulation of fluid in the lungs.
<b>Serious Eye Damage/Irritation</b>	Corrosive. Capable of causing severe eye burns and permanent damage, including blindness.
<b>Respiratory or Skin Sensitization</b>	Not Available

<b>Germ Cell Mutagenicity</b>	Not Available
<b>Reproductive Toxicity</b>	Not Available
<b>STOT-Single Exposure</b>	May cause respiratory irritation.
<b>STOT-Repeated Exposure</b>	Not Available
<b>Aspiration Hazard</b>	Not Available
<b>Synergistic Materials</b>	Not Available

---

## Section 12 – Ecological Information

---

### Ecotoxicity

<b>Component</b>	<b>Toxicity to Algae</b>	<b>Toxicity to Fish</b>	<b>Toxicity to Daphnia and Other Aquatic Invertebrates</b>
Hydrochloric Acid	EC <sub>50</sub> (Green algae, 72hr): 0.0492 mg/L	EC <sub>50</sub> (Green algae, 72hr): 0.0492 mg/L	LC <sub>50</sub> (Shrimp, 48hr): 100-300 ppm
<b>Biodegradability</b>	Not Available		
<b>Bioaccumulation</b>	Hydrochloric acid does not accumulate in the food chain.		
<b>Mobility</b>	Hydrogen chloride dissociates into chloride and hydronium ions in moist soil.		
<b>Other Adverse Effects</b>	Extremely toxic to aquatic life by lowering the pH below 5.5. Dissociates in water and will be neutralized by naturally occurring alkalinity and carbon dioxide. Acid will permeate soil, dissolving soil material and will be neutralized somewhat.		

---

## Section 13 – Disposal Considerations

---

<b>Waste From Residues/Unused Products</b>	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.
<b>Contaminated Packaging</b>	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

---

## Section 14 – Transport Information

---

<b>UN Number</b>	UN3264	
<b>UN Proper Shipping Name</b>	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric acid)	
<b>Transport Hazard Class(es)</b>	8	
<b>Packaging Group</b>	III	
<b>Environmental Hazards</b>	Not listed as a marine pollutant under Canadian TDG Regulations, schedule III.	
<b>Special Precautions</b>	Not Available	
<b>Transport in Bulk</b>	Not Available	
<b>Additional Information</b>	<u>Packing Group</u>	<u>Limited Quantity Index</u>
	I	0
	II	1 L
	III	5 L

### TDG

<b>Other</b>	Secure containers (full and/or empty) with suitable hold down devices during shipment and ensure all caps, valves, or closures are secured in the closed position.
--------------	--

**TDG PRODUCT CLASSIFICATION:** This product has been classified on the preparation date specified at section 14 of this MSDS / SDS, for transportation in accordance with the requirements of part 2 of the Transportation of Dangerous Goods Regulations. If applicable, testing and/or published test data regarding the classification of this product are listed in the references at section 16 of this MSDS / SDS.

---

## Section 15 – Regulatory Information

---

**NOTE: THE PRODUCT LISTED ON THIS SDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS SDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.**

---

## Section 16 – Other Information

---

**Preparation Date** December 21, 2015

**Note:** The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.

### **Attention: Receiver of the chemical goods / SDS coordinator**

As part of our commitment to the Canadian Association of Chemical Distributors (CACD) Responsible Distribution<sup>®</sup> initiative, ClearTech Industries Inc. and its associated companies require, as a condition of sale, that you forward the attached Safety Data Sheet(s) to all affected employees, customers, and end-users. ClearTech will send any available supplementary handling, health, and safety information to you at your request.

If you have any questions or concerns please call our customer service center.

### **References:**

- 1) CHEMINFO
- 2) eChemPortal
- 3) TOXNET
- 4) Transportation of Dangerous Goods Canada
- 5) HSDB
- 6) ECHA
- 7) PAN

### **Advance Chemicals Ltd. - Locations**

**Corporate Head Office: 1500 Quebec Avenue, Saskatoon, SK, S7K 1V7**

**Phone: 1(306) 664 – 2522**

**Fax: 1(888) 281-8109**

[www.cleartech.ca](http://www.cleartech.ca)

**24 Hour Emergency Number - All Locations – 1(306) 664-2522**