

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION AND USE

Product Identifier: pH DOWN  
Product Use: DECREASING pH IN WATER TREATMENT APPLICATIONS  
Supplier: SHARE CANADA  
Address: 1691 CHURCH AVENUE, WINNIPEG, MANITOBA R2X 2Y7  
Telephone Number: (204) 633-8553 Fax: (204) 633-8453 CANUTEC: (613) 996-6666

## SECTION II - HAZARDOUS INGREDIENTS

Hazardous ingredients	CAS Number	Exposure limits	Weight %	OSHA PEL	ACGIH TLV
HYDROCHLORIC ACID	7647-01-0	5 ppm ACGIH TLV	15 - 25%	5 ppm C	5 ppm C
POLY (OXY-ETHYLENE) NONYLPHENOL	9016-45-9	Not established	< 2.00	Not established	Not established

## SECTION III - PHYSICAL DATA

Physical State: LIQUID  
Specific Gravity (20°C): 1.10  
Odour and appearance: CLEAR LIGHT GREEN LIQUID, CHARACTERISTIC ACIDIC ODOUR.  
Odour threshold: Not available.  
pH: 1.0  
Vapour pressure (mm Hg): Not available. Vapour density (air = 1): Not available.  
Evaporation rate (water = 1): .9 % volatile by volume: 1.00 %  
Solubility in water: SOLUBLE  
Boiling point (C°): Not available. Freezing point (C°): Not available.  
Coefficient of oil/water distribution: Not available.

## SECTION IV - FIRE AND EXPLOSION DATA

Flammable or combustible: Not flammable or combustible.  
Flash point (C°): NONE - CLOSED CUP  
Upper flammable limit: Not applicable. Lower flammable limit: Not applicable.  
Autoignition temperature: Not applicable.  
Flammability classification: NONE Conditions of flammability: NONE  
Special fire fighting procedures: COOL FIRE EXPOSED CONTAINERS WITH WATER FOG. FIRE FIGHTERS MUST BE EQUIPPED WITH FULL PROTECTIVE GEAR, INCLUDING SELF-CONTAINED BREATHING APPARATUS. MAY PRODUCE TOXIC FUMES WHEN HEATED.  
Means of extinction: WATER, FOAM, CARBON DIOXIDE, DRY CHEMICAL.  
Hazardous combustion products: CO, CO<sub>2</sub>, HCL AND CL<sub>2</sub>.  
Sensitivity to mechanical impact: Not applicable.  
Sensitivity to static discharge: Not applicable.

## SECTION V - REACTIVITY DATA

Is the product stable? STABLE.  
Conditions of reactivity: DO NOT MIX WITH CHLORINE BLEACH, AMMONIA OR ANY OTHER CLEANING CHEMICALS. DO NOT SPRAY OR CREATE MISTS. DO NOT CREATE VAPOURS.  
Incompatible substances: ALKALINE MATERIALS, METALS, METAL SALTS.  
Hazardous decomposition products: THERMAL DECOMPOSITION MAY PRODUCE CO, CO<sub>2</sub>, HCL AND CL<sub>2</sub>.

Product identifier: pH DOWN

## SECTION VI - TOXICOLOGICAL PROPERTIES

**WHMIS CLASSIFICATION:** CLASS D -1 A - IMMEDIATE AND SERIOUS TOXIC EFFECT -VERY TOXIC. CLASS E - CORROSIVE MATERIAL

**Primary routes of exposure:** SKIN AND EYE CONTACT, INHALATION, INGESTION.

**Exposure limits:** SEE SECTION II FOR LIMITS FOR INGREDIENTS.

**Acute effects of exposure:** EYES: SEVERE IRRITATION, BURNS, DESTRUCTION OF TISSUE. MAY CAUSE IRREVERSIBLE DAMAGE. SKIN: SEVERE IRRITATION, CHEMICAL BURNS, DESTRUCTION OF TISSUE. MAY CAUSE PERMANENT DAMAGE.

INGESTION: SEVERE BURNS TO MUCOUS MEMBRANES, DESTRUCTION OF TISSUE. DANGER - MAY BE FATAL IF SWALLOWED. INHALATION: SEVERE IRRITATION TO THE UPPER RESPIRATORY TRACT, PULMONARY EDEMA, LARYNGIAL SPASMS.

**Sensitizer:** NOT KNOWN TO BE A SENSITIZER. **Carcinogen:** NOT LISTED - IARC, NTP, OSHA

**Mutagen:** NOT KNOWN AS A MUTAGEN.

## SECTION VII - PREVENTION MEASURES

<b>Gloves:</b> ACID RESISTANT.	<b>Respirator:</b> NIOSH APPROVED RESPIRATOR IF EXPOSURE LIMITS ARE EXCEEDED.	<b>Eye protection:</b> FACE SHIELD OR CHEMICAL GOGGLES.
<b>Footwear:</b> RUBBER BOOTS.	<b>Clothing:</b> PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.	<b>Other:</b> EMERGENCY SHOWER AND EYE WASH STATION.

**Engineering controls:** MECHANICAL VENTILATION RECOMMENDED.

**Leak and spill procedures:** VENTILATE AREA AND CONTAIN SPILL. SOAK UP ON INERT ABSORBENT AND PLACE IN A PROPERLY MARKED CLOSED CONTAINER FOR DISPOSAL. RINSE WITH A NEUTRALIZING SOLUTION.

**Waste disposal:** CONSULT LOCAL ENVIRONMENTAL AUTHORITIES.

**Handling and storage requirements:** CORROSIVE MATERIAL. STORE AWAY FROM ALKALINE MATERIALS AND REACTIVE CHEMICALS. DO NOT MIX WITH ANY OTHER CHEMICALS. NEVER ADD WATER TO THIS PRODUCT. ALWAYS ADD THIS PRODUCT TO WATER. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. WASH BEFORE EATING, DRINKING OR SMOKING. KEEP OUT OF THE REACH OF CHILDREN.

**Special shipping information:** T.D.G. CLASS 8, CORROSIVE LIQUID, N.O.S. (HYDROCHLORIC ACID) UN 1760 PACKING GROUP III.

## SECTION VIII - FIRST AID MEASURES

**Eye contact:** FLUSH EYES AND UNDER EYELIDS WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. OBTAIN IMMEDIATE MEDICAL ASSISTANCE.

**Skin contact:** REMOVE CONTAMINATED CLOTHING. FLUSH WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES AND COVER AFFECTED AREA WITH ACID NEUTRALIZING SOLUTION OR MOIST BAKING SODA. OBTAIN MEDICAL ATTENTION.

**Ingestion:** CONTACT PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY. DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON.

**Inhalation:** REMOVE PERSON TO FRESH AIR. ADMINISTER ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. OBTAIN MEDICAL ATTENTION.

## SECTION IX - PREPARATION DATA

**Information sources:** MANUFACTURER'S MSDS

**Prepared by:** SHARE CANADA

**Telephone Number:** (204) 633-8553

**Preparation Date:** October 7, 2014