SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product name : **PH DOWN**

Product Use: : **PH ADJUSTMENT**
Restrictions on use: **FOR INDUSTRIAL OR PROFESSIONAL USE ONLY**

Company : **SHARE CANADA**
1691 CHURCH AVENUE
WINNIPEG, MB R2X 2Y7
TELEPHONE: 1-800-665-7692

Emergency number : **CANUTEC 1-613-966-6666**

SECTION 2 - HAZARDS IDENTIFICATION

Hazard classification: CORROSIVE TO METALS, SKIN AND EYE CORROSION, SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE
Symbols:

Signal word: **DANGER**
Hazard statement(s): **MAY BE CORROSIVE TO METALS**
CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. MAY CAUSE RESPIRATORY IRRITATION.

Precautionary statements: **KEEP ONLY IN ORIGINAL CONTAINER.**
DO NOT BREATHE MIST, SPRAY.
WASH THOROUGHLY AFTER HANDLING.
USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.
KEEP CONTAINER TIGHTLY CLOSED.
WEAR EYE PROTECTION, PROTECTIVE CLOTHING, PROTECTIVE GLOVES.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS REGISTRY NUMBER	CONCENTRATION
Hydrogen chloride	7647-01-0	10 – 30 %
Linear Alcohol Ethoxylate	34398-01-1	1.0 - 5.0 %

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SECTION 4 – FIRST AID MEASURES

First-aid measures general	:	If you feel unwell, seek medical advice (Show the label where possible).
First-aid measures after inhalation	:	Remove victim into fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms, call a poison control centre or doctor.
First-aid measures after skin contact	:	Immediately take off all contaminated clothing and wash it before reuse. Rinse with water / shower. If skin irritation occurs, get medical advice / attention.
First-aid measures after eye contact	:	Remove contact lenses if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Immediately call a poison control centre or doctor.\
First-aid measures after ingestion	:	Fatal if swallowed. Immediately call a poison control centre or doctor. Rinse mouth. Do NOT induce vomiting. Drink plenty of water.
Symptoms/injuries	:	Causes severe skin burns and eye damage.
Symptoms/injuries after inhalation	:	Corrosive to respiratory tract.
Symptoms/injuries after skin contact	:	Caustic burns / corrosion of the skin.
Symptoms/injuries after eye contact	:	Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.
Symptoms after ingestion	:	Burns to the gastrointestinal mucosa.

SECTION 5 – FIRE FIGHTING MEASURES

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Suitable extinguishing media All extinguishing media allowed.
Reactivity: Thermal decomposition generates CO, CO2 and HCL, Chlorine.

Firefighting instructions	Exercise caution when fighting any chemical fire. Use water moderately and if possible, collect and contain it. Use water spray of fog for cooling exposed containers.
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.
General measures:	Isolate from fire, if possible, without unnecessary risk.
Protective equipment	Gloves, Protective goggles. Protective clothing.
Emergency procedures	Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.
Protective equipment	Equip cleanup crew with proper protection.
Emergency procedures	Stop leak if safe to do so. Stop release. Ventilate area.
For containment:	Contain released substance, pump into suitable containers.
Methods for cleaning up	This material and its container must be disposed of in a safe way, and as per local legislation.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal protective equipment: Protective goggles. Gloves. Protective clothing. Use appropriate personal protective equipment when risk assessment indicates this is necessary.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Appearance : Clear green liquid.
Odour : Acidic odour.

Odour threshold : No data available

pH : 1

Melting point: No data available

Freezing point : No data available

Boiling point : No data available

Flash point : > 93.7 Closed cup
Relative evaporation rate (butyl acetate=1): No data available

Flammability (solid, gas): No data available

Explosion limits: No data available

Explosive properties: No data available

Oxidizing properties: No data available

Vapour pressure: No data available

Relative density: No data available

Relative vapor density at 20 °C: No data available

Specific gravity / density: 1.1 g / ml
Solubility: Soluble in water.
Log Pow : No data available

Log Kow : No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

SECTION 7 – HANDLING AND STORAGE

Additional hazards when processed:	Do not spray to create mists. Do not create vapours
Precautions for safe handling	Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing.
Hygiene measures	Wash thoroughly after handling. Wash contaminated clothing before reuse.
Technical measures	Comply with applicable regulations.
Storage conditions	Keep container closed when not in use.
Storage area	Keep only in original container. Store in a cool, dry area.
Incompatible products:	Chlorine – based bleaching agents, ammonia.
Incompatible materials:	Alkaline substances, metals and metal salts.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

Linear acid exothylate	Not applicable	
hydrogen chloride (7647-01-0)		
ACGIH	ACGIH Ceiling (ppm)	2 ppm (hydrogen chloride ; USA ; momentary value ; TLV- adopted value)

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Thermal decomposition generates carbon monoxide, carbon dioxde, HCL and chlorine.

Incompatible materials : May be corrosive to metals. Metals.

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Conditions to avoid: No additional information available.
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decompositon products should not be produced.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity: Not classified.

LINEAR ALCOHOL ETHOXYLATE (34398-01-1)	
LD50 oral rat	> 1400 mg/kg

hydrogen chloride (7647-01-0)	
LD50 oral rat	700 mg/kg
LC50 inhalation rat (mg/l)	1.68 mg/l

Skin corrosion/irritation : Causes severe skin burns and eye damage.
pH: 1

Serious eye damage/irritation : Causes serious eye damage.
pH: 1

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

hydrogen chloride (7647-01-0)	
IARC group	3 - Not Classifiable

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : May cause respiratory irritation.

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : Corrosive to respiratory tract.

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Symptoms/injuries after skin contact	:	Caustic burns / corrosion of the skin.
Symptoms/injuries after eye contact	:	Causes serious eye damage. Corrosion of the eye tissue Permanent eye damage.
Symptoms/injuries after ingestion	:	Burns to the gastrointestinal mucosa.
Likely routes of ingestion	:	Skin and eye contact.

SECTION 12 - ECOLOGICAL INFORMATION

Ecology (General): No additional information available.
Persistence and degradability: No additional information available.
Bioaccumulation potential: No additional information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal recommendations	:	Dispose in a safe manner in accordance with local/national regulations.

SECTION 14 – TRANSPORT INFORMATION

Transportation of Dangerous Goods (TDG): TDG Class 8, Hydrochloric acid solution UN 1789 Packing Group II.

SECTION 15 - REGULATORY INFORMATION

THE CLASSIFICATION, LABEL AND SDS COMPLIES WITH THE REQUIREMENTS OF WHMIS 2015

SECTION 16 - OTHER INFORMATION

Information Sources: SUPPLIER'S SDS
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