

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: pH UP
Recommended Use: INCREASING pH IN WATER TREATMENT APPLICATIONS
Restrictions on use: INDUSTRIAL OR PROFESSIONAL USE ONLY
Supplier: SHARE CANADA
Address: 1691 CHURCH AVENUE, WINNIPEG, MANITOBA R2X 2Y7
Telephone Number: (204) 633-8553 Fax: (204) 633-8453
Emergency telephone number: CANUTEC: (613) 996-6666

SECTION 2 - HAZARDS IDENTIFICATION

WHMIS 2015 hazard classification: ACUTE TOXICITY (ORAL / DERMAL, SKIN CORROSIVE)
Symbol:



Signal word: DANGER
Hazard statement(s): TOXIC IF SWALLOWED
HARMFUL IN CONTACT WITH SKIN
CAUSES SEVERE SKIN BURNS AND EYE DAMAGE

Precautionary statements: DO NOT BREATHE MISTS, VAPOURS
WASH THOROUGHLY AFTER HANDLING

DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT
WEAR EYE PROTECTION, PROTECTIVE GLOVES, PROTECTIVE CLOTHING.
DISPOSE OF CONTENTS / CONTAINERS TO COMPLY WITH LOCAL / REGIONAL / NATIONAL / INTERNATIONAL REGULATIONS

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS REGISTRY NUMBER	CONCENTRATION
SODIUM HYDROXIDE, CAUSTIC SODA	1310-73-2	40 – 70 %
POTASSIUM HYDROXIDE CAUSTIC POTASH	1310-58-3	3 – 13 %

SECTION 4 – FIRST AID MEASURES

First-aid measures general: IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE. (SHOW LABEL WHERE POSSIBLE)

First-aid measures after inhalation: REMOVE PERSON TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING.

First-aid measures after skin contact: TAKE OFF CONTAMINATED CLOTHING AND WASH IT BEFORE RE-USE. RINSE SKIN WITH WATER / SHOWER. TAKE VICTIM TO DOCTOR IF IRRITATION PERSISTS.

First-aid measures after eye contact: REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO SO. CONTINUE RINSING. RINSE CONTINUOUSLY WITH WATER FOR SEVERAL MINUTES. IMMEDIATELY CALL A POISON CONTROL CENTRE OR DOCTOR.

First-aid measures after ingestion: IMMEDIATELY CALL A POISON CONTROL CENTRE OR DOCTOR . RINSE MOUTH. DO NOT INDUCE VOMITING.

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SECTION 4 – FIRST AID MEASURES (CONTINUED)

Most important symptoms and effects, both acute and delayed: **CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.**

Symptoms / injuries after inhalation: **CORROSIVE TO RESPIRATORY TRACT.**

Symptoms / injuries after skin contact: **HARMFUL IN CONTACT WITH THE SKIN. CAUSES BURNS/ CORROSION OF THE SKIN.**

Symptoms / injuries after eye contact: **CAUSES SERIOUS, PERMANENT EYE DAMAGE.**

Symptoms / injuries after ingestion: **TOXIC IF SWALLOWED. BURNS TO GASTROINTESTINAL MUCOSA**

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing media: **ABC POWDER**

Special hazards arising from the substance or mixture:

Reactivity: **REACTS VIOLENTLY WITH WATER. REACTS WITH (SOME) METALS, RELEASE OF HIGHLY FLAMMABLE GASES / VAPOURS (HYDROGEN).**

Firefighting instructions: **EXERCISE CAUTION WHEN FIGHTING ANY CHEMICAL FIRE. USE WATER MODERATELY AND IF POSSIBLE COLLECT OR CONTAIN IT. USE WATER SPRAY OR FOG FOR COOLING EXPOSED CONTAINERS.**

Protection during firefighting: **DO NOT ENTER FIRE AREA WITHOUT PROPER PROTECTIVE EQUIPMENT, INCLUDING RESPIRATORY PROTECTION.**

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures;

General measures: **ISOLATE FROM FIRE, IF POSSIBLE, WITHOUT UNNECESSARY RISK.**

For non-emergency personnel. Protective equipment: **GLOVES, PROTECTIVE GOGGLES, FACE SHIELD.** Emergency procedures: **KEEP UPWIND.**

For emergency responders: Protective equipment: **EQUIP CLEAN UP CREW WITH PROPER PROTECTION.** Emergency procedures: **STOP LEAK IF SAFE TO DO SO. STOP RELEASE. VENTILATE AREA.**

Environmental precautions: **AVOID RELEASE TO THE ENVIRONMENT. PREVENT SOIL AND WATER POLLUTION.**

For containment: **CONTAIN RELEASED SUBSTANCE. PUMP INTO SUITABLE CONTAINERS**

Methods for cleaning up: **ABSORB SPILLAGE TO PREVENT MATERIAL DAMAGE. SMALL QUANTITIES OF LIQUID SPILL: NEUTRALIZE WITH ACID SOLUTION. THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY, AS PER LOCAL LEGISLATION.**

Reference to other sections: **NO ADDITIONAL INFORMATION AVAILABLE.**

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling: **CARRY OPERATIONS IN THE OPEN / UNDER LOCAL EXHAUST VENTILATION OR WITH RESPIRATORY PROTECTION. . USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.**

Hygiene measures: **DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WASH CONTAMINATED CLOTHING BEFORE RE-USE.**

Conditions for safe storage, including any incompatibilities:

Storage conditions: **KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE IN ORIGINAL CONTAINER. STORE IN A DRY PLACE. STORE IN A CLOSED CONTAINER. KEEP COOL.**

Incompatible products: **STRONG ACIDS** Incompatible materials: **METALS**

Storage area: **KEEP ONLY IN ORIGINAL CONTAINER. STORE IN A DRY AREA. KEEP COOL.**

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters: NO ADDITIONAL INFORMATION AVAILABLE.

Personal protective equipment: FACE SHIELD, GLOVES, SAFETY GLASSES, PROTECTIVE CLOTHING.



SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Colour and appearance:	CLEAR TO HAZY LIQUID
Odour:	MILD ODOUR.
Odour threshold:	NO DATA AVAILABLE
pH:	14
Melting point:	NO DATA AVAILABLE
Freezing point:	NO DATA AVAILABLE
Boiling point:	NO DATA AVAILABLE
Flash point:	NO DATA AVAILABLE
Relative evaporation rate (butyl acetate = 1	NO DATA AVAILABLE
Flammability (solid, gas):	NO DATA AVAILABLE
Explosive properties:	NO DATA AVAILABLE
Oxidizing properties:	NO DATA AVAILABLE
Vapour pressure:	NO DATA AVAILABLE
Relative density:	NO DATA AVAILABLE
Relative vapour density at 20 °C:	NO DATA AVAILABLE
Specific gravity /density:	1.51 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
Viscosity:	NO DATA AVAILABLE
Viscosity, kinematic:	NO DATA AVAILABLE
Viscosity, dynamic:	NO DATA AVAILABLE
VOC content.	0 %

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: REACTS VIOLENTLY WITH WATER. REACTS WITH (SOME) METALS, RELEASE OF HIGHLY FLAMMABLE GASES / VAPOURS (HYDROGEN).

Chemical stability: NO ADDITIONAL INFORMATION AVAILABLE.

Possibility of hazardous reactions: REACTS VIOLENTLY WITH WATER.

Incompatible materials: MAY BE CORROSIVE TO METALS, STRONG ACIDS. METALS.

Conditions to avoid: NO ADDITIONAL INFORMATION AVAILABLE.

Hazardous decomposition products: MAY RELEASE FLAMMABLE GASES.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity: ORAL: TOXIC IF SWALLOWED. DERMAL: HARMFUL IN CONTACT WITH THE SKIN.

Sodium hydroxide: LD50 oral / rat 4090 mg/kg LD 50 dermal / rabbit 1350 mg/kg

ATE CLP (oral) 4,090,000 mg/kg body weight ATE CLP (dermal) 1,350,000 mg/kg body weight

Potassium hydroxide: LD50 oral / rat 214 mg/kg ATE CLP (oral) 500,000 mg/kg body weight

Skin corrosion/irritation: CAUSES SEVERE BURNS.

Serious eye damage/irritation: CAUSES EYE DAMAGE

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SECTION 11 – TOXICOLOGICAL INFORMATION (continued)

Respiratory or skin sensitization: NOT CLASSIFIED.
Germ cell mutagenicity: NOT CLASSIFIED
Carcinogenicity: NOT CLASSIFIED.
Reproductive toxicity: NOT CLASSIFIED.
Specific target organ toxicity (single exposure): NOT CLASSIFIED.
Specific target organ toxicity (repeated exposure): NOT CLASSIFIED.
Aspiration hazard: NOT CLASSIFIED.
Symptoms / injuries after inhalation: CORROSIVE TO THE RESPIRATORY TRACT.
Symptoms / injuries after skin contact: HARMFUL IN CONTACT WITH THE SKIN. CAUSTIC BURNS / CORROSION OF THE SKIN.
Symptoms / injuries after eye contact: CAUSES SERIOUS / PERMANENT EYE DAMAGE
Symptoms /injuries after ingestion: TOXIC IF SWALLOWED. BURNS TO GASTROINTESTINAL MUCOSA.

SECTION 12 - ECOLOGICAL INFORMATION

Ecology (General): NO ADDITIONAL INFORMATION AVAILABLE.
Persistence and degradability: NO ADDITIONAL INFORMATION AVAILABLE.
Bioaccumulation: NO ADDITIONAL INFORMATION AVAILABLE.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal recommendations: DISPOSE OF CONTENTS / CONTAINERS TO COMPLY WITH LOCAL / REGIONAL / NATIONAL REGULATIONS.

SECTION 14 – TRANSPORT INFORMATION

T.D.G. SHIPPING NAME:
UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
(SODIUM HYDROXIDE, POTASSIUM HYDROXIDE)
CLASS 8, P.G. II

TDG LIMITED QUANTITY IN CONTAINERS UNDER 1 LITRE.

SECTION 15 - REGULATORY INFORMATION

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

SECTION 16 - OTHER INFORMATION

Information Sources: SUPPLIER'S SAFETY DATA SHEET
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Latest revision date: OCTOBER 3, 2018