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SAFETY DATA SHEET

Issue Date: 7 October 2015

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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: **pH UP**

Product Description: **HOLDS CONSTANT pH**

Other Means of Identification

Product # A255

Synonyms None

Details of the Supplier of the Safety Data Sheet

Company Name CHEMCO INDUSTRIES, INC.
5731 Manchester Avenue
St. Louis, MO 63110
www.chemcoindustries.com
314-647-1888
1-800-854-4236 (to Reorder)

Emergency Telephone Number

Emergency Telephone INFOTRAC 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification (GHS-US)

Acute Tox. 3 (Oral) H301

Acute Tox 4 (Dermal) H312

Skin Corr. 1A H314

*Full text of H-phrases: see section 16

GHS-US Labeling

Hazard pictograms (GHS-US):



Signal Word (GHS-US): **Danger**

Hazard Statements (GHS-US):

Toxic if swallowed

Harmful in contact with skin

Causes severe skin burns and eye damage

Precautionary statements (GHS-US):

Do not breathe mist, vapors

Wash thoroughly after handling

Do not eat, drink, or smoke when using this product

Wear eye protection, protective clothing, protective gloves

If swallowed: Immediately call a doctor, a POISON CENTER.

If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin: Wash with plenty of water

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If inhaled: Remove person to fresh air and keep comfortable for breathing

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a doctor , a POISON CENTER

Call a doctor, a POISON CENTER if you feel unwell
 Rinse mouth
 Take off contaminated clothing and wash it before reuse.
 Wash contaminated clothing before reuse
 Store locked up
 Dispose of contents/container to comply with local/regional/national/international regulations.

Other hazards: No additional information available

Unknown acute toxicity (GHS-US): Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Not applicable

*Full text of H-phrases: see section 16

Mixture:

Name	Product identifier	%	Classification (GHS-US)
Sodium hydroxide, caustic soda	(CAS No) 1310-73-2	40 - 70	Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314
Potassium hydroxide, caustic potash	(CAS No) 1310-58-3	7 - 13	Met. Corr. 1, H290 Acute Tox. 3 (Oral), H301 Skin Corr. 1A, H314

4. FIRST AID MEASURES

Description of 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 to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact:

Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. Take victim to a doctor if irritation persists.

First-aid measures after eye contact:

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

First-aid measures after ingestion:

Immediately call a poison center or doctor/physician. Rinse mouth. Do NOT induce vomiting. Drink plenty of water.

Most important symptoms and effects, both acute and delayed:

Symptoms/injuries:

Causes severe skin burns and eye damage.

Symptoms/injuries after inhalation:

Corrosive to the respiratory tract.

Symptoms/injuries after skin contact:

Harmful in contact with skin. Caustic burns/corrosion of the skin.

Symptoms/injuries after eye contact:

Causes serious eye damage. Permanent eye damage.

Symptoms/injuries after ingestion:

Toxic if swallowed. Burns to the gastric/intestinal mucosa.

Indication of any immediate medical attention and special treatment needed:

No additional information available.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

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/vapors (hydrogen)

Advice for firefighters:

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.

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 cleanup 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.

Methods and material for containment and clean up:**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, and as per local legislation.**Reference to other sections:**

No additional information available.

7. HANDLING AND STORAGE**Precautions for safe handling:****Precautions for safe handling:** Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.**Hygiene measures:** Do not eat, drink, or smoke when using this product. Wash contaminated clothing before reuse.**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 the original container. Store in a dry area. Store in a cool area.**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters:**

No additional information available

Exposure controls:**Personal protective equipment:** Use appropriate personal protective equipment when risk assessment indicates this is necessary. Face shield. Gloves. Safety glasses. Protective clothing.**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties:**

Physical state	Liquid
Appearance	Clear to hazy liquid
Odor	mild odor
Odor 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
Explosion limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapor pressure	No data available
Relative density	No data available

Relative vapor density at 20 C	No data available
Specific gravity/density	1.48 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%

10. STABILITY AND REACTIVITY

Reactivity:

Reacts violently with water. Reacts with (some) metals: release of highly flammable gases/vapors (hydrogen).

Chemical stability:

No additional information available.

Possibility of hazardous reactions:

Reacts violently with water.

Conditions to avoid:

No additional information available.

Incompatible materials:

May be corrosive to metals. Strong acids. Metals

Hazardous decomposition products:

May release flammable gases.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity: Oral: Toxic if swallowed. Dermal: Harmful in contact with skin.

Drain Away	
LD50 oral rat	214 mg/kg Potassium Hydroxide
LD50 dermal rabbit	1350 mg/kg Sodium Hydroxide
Sodium hydroxide, caustic soda (1310-73-2)	
LD50 oral rat	4090 mg/kg
LD50 dermal rabbit	1350 mg/kg
ATE CLP (oral)	4090.000 mg/kg body weight
ATE CLP (dermal)	1350.000 mg/kg body weight
Potassium hydroxide, caustic potash (1310-58-3)	
LD50 oral rat	214 mg/kg
ATE CLP (oral)	500.000 mg/kg body weight

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

pH: 14

Serious eye damage/irritation: Not classified.

pH: 14

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 skin. Caustic burns/corrosion of the skin.

Symptoms/injuries after eye contact: Causes serious eye damage. Permanent eye damage.

Symptoms/injuries after ingestion: Toxic if swallowed. Burns to the gastric/intestinal mucosa.

12. ECOLOGICAL INFORMATION

Toxicity:

No additional information available

Persistence and degradability:

No additional information available

Bioaccumulative potential:

No additional information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Waste disposal recommendations: Dispose of contents/container to comply with local/national regulations.

14. TRANSPORT INFORMATION

Department of Transportation (DOT)

UN-No.(DOT): UN3266
Proper Shipping Name (DOT): Corrosive liquid, basic, inorganic, n.o.s. (sodium hydroxide, potassium hydroxide)
Transport hazard class(es) (DOT): 8 - Class 8 - Corrosive material 49 CFR 173.136
Hazard labels (DOT): 8 - Corrosive
Packing group (DOT): II - Medium Danger
DOT Packaging Non Bulk (49 CFR 173.xxx): 202
DOT Packaging Bulk (49 CFR 173.xxx): 242
DOT Symbols: G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102):B2, IB2, T11, TP2, TP27
DOT Packaging Exceptions (49 CFR 173.xxx): 154
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 175.27): 1 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75): 30 L
DOT Vessel Stowage Location: B
DOT Vessel Stowage Other: 40 - Stow "clear of living quarters", 52 - Stow "separated from" acids

Additional information:

Other information: This product may be eligible to be shipped as a Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.154

ADR:

No additional information available.

Transport by sea:

No additional information available.

Air Transport:

No additional information available.

15. REGULATORY INFORMATION

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR 372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Sodium hydroxide, caustic soda (1310-73-2)	
Not listed on SARA Section 313 (Specific toxic chemical listings)	
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb
Potassium hydroxide, caustic potash (1310-58-3)	
Not listed on SARA Section 313 (Specific toxic chemical listings)	
RQ (Reportable quantity, section 304 of EOA's List of Lists)	1000 lb

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the State of California to cause cancer and /or reproductive toxicity.

16. OTHER INFORMATION

Training advice: Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-phrases:

Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Met. Corr. 1	Corrosive to metals Category 1
Skin Corr. 1A	Skin corrosion/irritation Category 1A
H290	May be corrosive to metals
H301	Toxic if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage

NFPA health hazard: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given

NFPA fire hazard: 0 - Materials that will not burn.

NFPA reactivity: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.

Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendee or users assume all risks associated with the use of this material.