

# HarChem

H<sub>2</sub>O

## Water Services

PO Box 310, Muldrow, OK 74948

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### SAFETY DATA SHEET

## HC-023

#### SECTION 1: IDENTIFICATION

##### MANUFACTURER/DISTRIBUTOR

HarChem Water Services

P.O. Box 310

Muldrow, OK 74948

##### Emergency Telephone Number:

479-806-0266 24 hours everyday

918-427-0777

Chemtec 1-(800)-262-8200

RECOMMENDED USES: Cooling Water Treatment

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#### SECTION 2: HAZARD IDENTIFICATION

Ingredient (s)	CAS#	% (by weight)
Phosphoric Acid	7664-38-2	1-10
Belclene 660/HEDP	2809-21-4	1-10
Belclene 550 PBTC (bayhib AM)	37971-36-1	1-10
Caustic Potash	1310-58-3	10-25
Telomer 4300 CP	97953-25-8	15-30
TKPP	7320-34-5	15-30
Tolytriazole	29385-43-1	1-10
Soft H2O	7732-18-5	1-10

HAZARD STATEMENTS: May cause respiratory tract irritation. May cause eye and skin irritation.

PICTOGRAM REPRESENTATION:



HAZARD CLASSIFICATION:

Eye Irritation: Category III

Skin Irritation: Category II

Acute Inhalation Toxicity: Category III

Acute Oral Toxicity: Category III

SIGNAL WORD (IF APPLICABLE): N/A

POTENTIAL HEALTH EFFECTS: EYES: Can cause transient to moderate irritation.

POTENTIAL HEALTH EFFECTS: SKIN: This product can cause moderate irritation of the skin.

POTENTIAL HEALTH EFFECTS: INHALATION: Avoid prolonged or repeated breathing of vapor.

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### SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

MOLECULAR FORMULA: N/A

MOLECULAR WEIGHT: N/A

GENERAL USE: Cooling Water Treatment

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### SECTION 4. FIRST AID MEASURES

SKIN: Immediately wash exposed skin with plenty of soap and water for 15-20 minutes while removing contaminated clothing and shoes. Wash clothing before reuse and throw away shoes which cannot be thoroughly cleaned.

EYES: Immediately flush with water for at least 15-20 minutes. For a large splash, flood body under shower. Call a physician at once.

INGESTION: If swallowed, do not induce vomiting. Give glass of water. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If breathing difficulty or discomfort occurs and persists give oxygen, and obtain medical attention.

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### SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT: Greater than 230° F(PMCC) ASTM D-93

AUTOIGNITION: N/A

EXTINGUISHING MEDIA: This product would not be expected to burn unless all the water is boiled away.

FIRE / EXPLOSION HAZARDS: May evolve NO<sub>x</sub> under fire conditions.

FIRE FIGHTING PROCEDURES: Use any means suitable for extinguishing surrounding fire. Use water spray to cool fire exposed containers.

**NFPA Hazard Codes:**

**Health :1**

**Fire:1**

**Reactivity: 0**

**Other: None**

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

Environmental Precautions: All disposal of this material must be done in accordance with federal, state and local regulations. Waste characterizations and compliances with disposal regulations are responsibilities of waste generator.

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### SECTION 7: HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling. Avoid all skin contact.

STORAGE: Store in closed, properly labeled tanks or containers.

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### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA'S PERMISSIBLE EXPOSURE LIMITS: OSHA, ACGIH and NIOSH have not developed PEL's for this product.

THRESHOLD LIMIT VALUES: N/A

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE: Wear chemical resistant glasses or goggles.

SKIN: Use impervious gloves

RESPIRATORY: None required.

VENTILATION: None required.

PROTECTIVE CLOTHING: None required.

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## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

ODOR: odorless

APPEARANCE: clear to white/light gray

PERCENT VOLATILE: 0%

VAPOR PRESSURE: 39 mm Hg @ 60° C (140°F)

VAPOR DENSITY: Not applicable

BOILING POINT: 45% solution: ~270°F (132°C)

MELTING POINT: Decomposes: N/A

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## **SECTION 10. STABILITY AND REACTIVITY**

CONDITIONS TO AVOID: Reacts vigorously or violently with many organic and inorganic chemicals such as: acids, acrolein, acrylonitrile, chlorinated hydrocarbons.

STABILITY: Normally stable if kept dry. Rapidly absorbs moisture and carbon dioxide from the air forming potassium carbonate.

POLYMERIZATION:

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide and carbon dioxide and NOx.

MATERIALS TO AVOID: It is incompatible with strong oxidizers.

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## **SECTION 11. TOXICOLOGICAL INFORMATION**

Carcinogenic References: not considered carcinogenic by IARC, NTP and OSHA.

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## **SECTION 12. ECOLOGICAL INFORMATION**

Environmental Fate: No information found

Environmental Toxicity: May cause shift in the water pH outside the range of pH 5-10.

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

DISPOSAL METHOD: If this product becomes a waste, it does not meet the criteria of hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, since it does not have the characteristics of Subpart C, (i.e. D001 through D017) nor is it listed under Subpart D.

As a non-hazardous liquid waste, it should be solidified before disposal to sanitary landfill. Can be incinerated in accordance with local, state, and federal regulations.

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## **SECTION 14: TRANSPORT INFORMATION**

U.S. DEPARTMENT OF TRANSPORTATION (DOT)

DOT LABELLING REQUIREMENTS: ORM-B, N.O.S. NA 1760 CONTAINS – SODIUM HYDROXIDE

International Air Transport Association:

UN: UN 1814

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## **SECTION 15: REGULATORY INFORMATION**

US Federal Regulation:

Potassium hydroxide                      CAS 1310-73-2

Potassium hydroxide: Components identified in section 2 are subject to the reporting requirements of section 313 of title III of the 1986 Superfund Amendments and Reauthorization Act (SARA) AND 40 CFR part 372

There are no specific threshold planning quantities for Sodium Ethorbate.

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## **SECTION 16: OTHER INFORMATION**

Date of Preparation: 05/25/08

Last Revision: 12/22/14