

AMERIWEST WATER SERVICES INC.

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: KlearWell 440 ChlorHelp

CHEMICAL FAMILY NAME: Chlorine enhancer
NFPA HAZARD RATINGS (H-F-R): 1-0-1
HMIS HAZARD RATINGS (H-F-R):
DISTRIBUTOR: AmeriWest Water Services, Inc.
P.O. Box 44683
Boise, ID 83711

IN CASE OF EMERGENCY CALL: 1-800-424-9300

2. COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENTS: Proprietary Ingredients. No constituents of the formulae are listed or considered hazardous under OSHA 29CFR 1910.1200. All components are listed under TSCA.

3. HAZARDOUS IDENTIFICATION

EMERGENCY

OVERVIEW: Product is a mild acid, handle with care.

POTENTIAL HEALTH EFFECTS:

SKIN CONTACT: Skin discomfort or rash.

EYES: Irritating, tearing or blurring of vision.

INGESTION: Diarrhea.

INHALATION: Irritation or corrosion of mucous membranes with upper and lower respiratory irritation.

MEDICAL CONDITIONS

AGGRAVATED: None known.

4. FIRST AID MEASURES

SKIN CONTACT: Immediately remove clothing from affected area and wash skin for 15 minutes with flowing water and soap. Clothing should be discarded or washed before reuse. Obtain medical assistance if irritation develops.

EYE CONTACT: Immediately irrigate eyes with flowing water continuously for 15 minutes while holding eyes open. Contacts should be removed before or during flushing. Obtain medical attention immediately.

INGESTION: If victim is alert and not convulsing, rinse mouth with water and give plenty of water to drink. If spontaneous vomiting occurs, have affected person lean forward with head down to avoid breathing in of vomitus. Rinse mouth again and give more water to drink. Obtain medical attention.

INHALATION: Remove affected person from area to fresh air and provide oxygen if breathing is difficult. Give artificial respiration ONLY if breathing has

stopped and give CPR ONLY if there is no breathing and no pulse. Obtain medical attention.

**NOTES TO
PHYSICIAN:**

Product has surfactant qualities that may result in a laxative effect in cases of ingestion.

5. FIRE FIGHTING MEASURES

FIRE, FLAMMABILITY,

FLASH POINT: None.

FIRE HAZARDS: High heat fires could result in excessive carbon monoxide release.

PROTECTIVE

EQUIPMENT:

Wear self-contained breathing apparatus. Carbon monoxide, carbon dioxide may be released in a fire.

EXTINGUISHING

MEDIA:

That which is appropriate for surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

Neutralize spills with soda ash or lime. Flush spill area with plenty of water. Keep spectators away. Treat as an acid material. Contain spill with inert material (e.g. sand, earth, absorbable material). Transfer diking material to suitable container for recovery or disposal. Material may be diluted and rinsed down a sanitary sewer system to a municipal wastewater plant. If quantities in excess of 500 gallons are rinsed to a sewer, the district should be notified of possible pH upset to the wastewater plant.

All disposal methods must be in compliance with all Federal, State, Local and Provincial laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

7. HANDLING AND STORAGE

HANDLING:

Minimize skin contact. Wash with soap and water before eating, drinking, smoking, or using toilet facilities.

STORAGE:

Store in well ventilated area. Keep containers tightly closed and away from strong caustic or oxidizing agents. Store above 32° F. (0° C.)

8. EXPOSURE CONTROL/ PERSONAL PROTECTION

ENGINEERING

CONTROLS:

Standard plant ventilation.

PERSONAL PROTECTIVE EQUIPMENT

SKIN:

Approved chemical protective or neoprene gloves suitable for use in acid material.

EYE:

Chemical splash goggles (ANSI Z871) or approved equivalent.

RESPIRATORY:

None required for normal use.

OTHER:

Safety showers with quick opening valves which stay open and eye wash fountains or other means of washing the eyes with a gentle flow of cool to tepid tap water should be readily available in all areas where this material is handled or stored. Water should be supplied through insulated and heat-traced lines to prevent freeze-ups in cold weather.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
APPEARANCE: Clear, yellowish
ODOR:
SPECIFIC GRAVITY: 1.12
pH: 2.4 to 3.4
SOLUBILITY: Complete
FLASH POINT: Will not flash
AUTO IGNITION
TEMPERATURE: N/D
UPPER/LOWER
EXPLOSION LIMITS: N/A

10. STABILITY AND REACTIVITY

STABILITY: Stable.
CONDITIONS TO
AVOID: Direct contact with strong oxidizers such as calcium hypochlorite powder or compressed tablet form or any granular oxidizing chemical.
INCOMPATIBILITY: Oxidizing agents such as nitric acid, cyanide, sulfides; metals.
POLYMERIZATION: Will not occur.
DECOMPOSITION: Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

INHALATION ACUTE: 4 hrs. LC₅₀ (rats) – 20 mg/L
CHRONIC: Not established.
SKIN ACUTE: Dermal LD₅₀ rabbits > 3000 mg/kg
CHRONIC: Skin irritation rabbits (Draize Score 1.6 /8)
EYE ACUTE: Minimal rabbits (Draize score 2.7 / 110)
INGESTION ACUTE: Oral LD₅₀ (rats) > 5000 mg/kg
CHRONIC: None known.
CARCINOGENICITY/
MUTAGENICITY: None.
REPRODUCTIVE: None known
NEUROTOXICITY: None
OTHER EFFECTS:
TARGET ORGANS: Kidneys

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: Non-bioaccumulating
TOTAL ORGANIC
CARBON: 15.2%
FISH TOXICITY: Bluegill (24 – 48 hrs) LC₅₀ = approx. 250 mg/L
Biological safe concentration is 65 mg/L
At 25 mg/L pH 5.0 there was 100% survival over 48 hours.

13. DISPOSAL CONSIDERATIONS

Comply with Federal State, and local regulations. If approved, may be neutralized and flushed to wastewater treatment plant. Product is biodegradable, no discharge limitations are required. Material that cannot

be used or chemically reprocessed and empty containers should be disposed of in accordance with all applicable regulations. Product containers should be thoroughly emptied before disposal. Generators of waste material are required to evaluate all waste for compliance with RCRA and any local disposal procedures and regulations.

NOTE: State and local regulations may be more stringent than federal regulations.

14. TRANSPORTATION INFORMATION

DOT SHIPPING

DESCRIPTION:

Not regulated as a hazardous material by the US Dept. of Transportation (DOT) 49CFR 172.101 Hazardous Materials Table.

15. REGULATORY INFORMATION

FEDERAL

REGULATIONS:

RCRA Status: Not a hazardous waste under RCRA 40 CFR 261. No reportable quantities.

SARA/TITLE III-CERCLA List: This product does not contain a "CERCLA" listed hazardous substance for emergency release notification under Sec. 304 (40CFR 302).

SARA/TITLE III-Toxic Chemicals List: This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Sec. 313 (40CFR 372).

TSCA Inventory Status: Chemical components listed on TSCA Inventory.

California Proposition 65: This product does not contain any chemicals currently on the California list of known carcinogens and reproductive toxins.

16. OTHER INFORMATION

CREATION DATE: 03-23-05

REVISION DATE:

DISCLAIMER: The information herein is presented in good faith and is believed to be correct as of the date hereof. However, AmeriWest Water Services, Inc. makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature with respect to the product or to the information herein is made hereunder. AmeriWest Water Services, Inc shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication, or use of, or reliance upon the information contained herein.