

# AMERIWEST WATER SERVICES INC.

## *Material Safety Data Sheet*

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** KlearWell 186 BioMin Dispersant

**CHEMICAL FAMILY NAME:** Polymeric solution to enhance acid cleaning

**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 caution.

#### POTENTIAL HEALTH EFFECTS:

**SKIN CONTACT:** Some discomfort or rash.

**EYES:** Irritation, tearing, or blurring of vision.

**INGESTION:** Diarrhea.

**INHALATION:** Irritation 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 some surfactant qualities that may result in a laxative effect in cases of ingestion.

## 5. FIRE FIGHTING MEASURES

### FIRE, FLAMMABILITY,

**FLASH POINT:** None, N/D.

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

### PROTECTIVE

**EQUIPMENT:** Wear self-contained breathing apparatus. Carbon monoxide, carbon dioxide, phosphorus oxides may be released in a fire.

## 6. ACCIDENTAL RELEASE MEASURES

Recover salvageable product in bags or containers. Unsalvageable material may be shoveled or swept up for recovery or disposal. Avoid breathing dust. Dike and dissolve residue in water. Neutralize with alkali before flushing to sewer. 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. Flush spill area with plenty of water.

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:** Keep in well ventilated area. Keep package tightly closed. Store above 32° F. (0° C.) Product should not be stored with or near strong caustic or oxidizing agents.

## 8. EXPOSURE CONTROL/ PERSONAL PROTECTION

### ENGINEERING

**CONTROLS:** Standard plant ventilation should be sufficient.

### PERSONAL PROTECTIVE EQUIPMENT

**SKIN:** Neoprene gloves or approved chemical protective 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, amber  
**ODOR:** Odorless  
**SPECIFIC GRAVITY:** 1.19  
**pH:** 2.3  
**SOLUBILITY:** Complete in water  
**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:** Contact with strong oxidizing chemicals such as calcium Hypochlorite.  
**INCOMPATIBILITY:** Metals, oxidizing agents such as nitric acid, cyanide, sulfides.  
**POLYMERIZATION:** Will not occur.  
**DECOMPOSITION:** Carbon monoxide, carbon dioxide, phosphorus oxides.

## 11. TOXICOLOGICAL INFORMATION

**INHALATION ACUTE:** 4 hrs. LC<sub>50</sub> (rats) – 14 mg/L  
**CHRONIC:** Not established  
**SKIN ACUTE:** Dermal LD<sub>50</sub> 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 LD<sub>50</sub> (Rats) > 5000 mg/kg  
**CHRONIC:** 600 mg/kg (90 day study dogs) produced some kidney function changes \*  
**CARCINOGENICITY/ MUTAGENICITY:** None  
**REPRODUCTIVE:** None known  
**NEUROTOXICITY:** None  
**OTHER EFFECTS:** Some calcium loss in long term feeding studies (Dogs) \*  
**TARGET ORGANS:** Kidneys, Bones

## 12. ECOLOGICAL INFORMATION

**BIODEGRADABILITY:**  
BOD (5) 1.0% solution 7950 mg O<sub>2</sub>/L  
BOD (5) 0.1% solution 725 mg O<sub>2</sub>/L  
Total Organic Carbon 2.2%  
Non-bioaccumulating  
**FISH TOXICITY:** Bluegill (24 – 48 hrs) LC<sub>50</sub> = 186 mg/L  
Biological safe concentration is 56 mg/L  
At 310 mg/L there was 90% mortality in 24 – 48 hrs  
At 36 mg/L pH 5.4 there was 100% survival over 48 hrs

### 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 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.