

## 1 – PRODUCT IDENTIFICATION

**PRODUCT NAME:**.....APA50-1  
**PRODUCT USE:**.....Boiler Alkalinity Test Reagent #1  
**COMPANY:**.....CH<sub>2</sub>O, Incorporated  
8820 Old Hwy. 99 SE, Tumwater, WA 98501  
360-943-6063, 800-562-6184, (fax) 360-352-4813, www.ch2o.com  
**EMERGENCY PHONE:** .....(800) 424-9300 (CHEMTREC)  
**SDS DATE:** .....3/20/2017 **SHELF LIFE:** 5 Years

## 2 – HAZARDS IDENTIFICATION

**GHS HEALTH CLASSIFICATIONS:** ..... Eye Irritation (2A) Carcinogenicity (1B) Target Organ Toxicity- Single Exposure (3) Reproductive Toxicity (2)  
**GHS ENVIRONMENTAL CLASSIFICATIONS:** ..... None  
**GHS PHYSICAL CLASSIFICATIONS:** ..... Flammable Liquids (1)



**GHS SIGNAL WORD: DANGER**

**GHS HAZARD STATEMENTS:**

- H224: Extremely flammable liquid and vapour
- H319: Causes serious eye irritation
- H335: May cause respiratory irritation
- H350: May cause cancer
- H361: Suspected of damaging fertility or the unborn child

**GHS PRECAUTIONARY STATEMENTS:**

**PREVENTION:**

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P223: Do not allow contact with water.
- P240: Ground/Bond container and receiving equipment.
- P241: Use explosion-proof electrical/ventilating/light/equipment.
- P242: Use only non-sparking tools.
- P243: Take precautionary measures against static discharge.
- P261: Avoid breathing dust/fumes/gas/mist/vapors/spray.
- P264: Wash skin thoroughly after handling.
- P271: Use only outdoors or in a well-ventilated area.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.

**RESPONSE:**

- P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
- P312: Call a POISON CENTER or doctor if you feel unwell.

P337+313: If eye irritation persists: Get medical advice/attention.  
P370: In case of fire: Use Foam, dry chemical, water spray to extinguish.

**STORAGE:**

P405: Store locked up.  
P403+233+235: Store in a well ventilated place, in a tightly closed container. Keep cool.

**DISPOSAL:**

P501: Dispose of contents/container in accordance with local, state, and federal regulations.

**HAZARDS NOT OTHERWISE CLASSIFIED:** None known

**UNKNOWN TOXICITY STATEMENT:** 0% of this mixture consists of ingredient(s) of unknown acute toxicity.

### 3 – COMPOSITION / INFORMATION ON INGREDIENTS

**TRADE SECRET STATEMENT:** The specific chemical identity and/or the exact percentage of composition has been withheld as a trade secret.

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER	OSHA-STEL	OSHA-TWA

### 4 – FIRST-AID MEASURES

**EYES:** Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention if irritation persists. **SKIN:** Wash exposed areas thoroughly with soap and water. Remove contaminated clothing and launder before reuse. If skin feels slippery, continue washing until slick feeling is gone. Contact a physician if irritation persists. **INGESTION:** Give large quantities of water. DO NOT induce vomiting. If vomiting occurs administer additional fluids. Contact a physician for further directions. Never give anything by mouth to an unconscious person. **INHALATION:** Remove individual to fresh air. If breathing is difficult, give oxygen. Contact a physician if irritation persists.

### 5 – FIRE-FIGHTING MEASURES

When responding to a fire involving this product, personal protection equipment must be worn that is appropriate to the chemicals involved in the fire, as well as respiratory protection. If it can be done safely and without risk, stop any release of chemical at the source. Move undamaged containers away from the vicinity of the fire if it can be done safely. Water spray may be used in cooling equipment and containers that have been exposed to heat and/or flame. Avoid spreading burning material with water used for cooling purposes.

**FLASHPOINT:** <100°F

**EXTINGUISHING MEDIA:** Foam, dry chemical, water spray

**SPECIAL FIRE FIGHTING PROCEDURES:** None

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

### 6 – ACCIDENTAL RELEASE MEASURES

**SPILL PROCEDURES:** Only trained personnel equipped with proper protective gear should be permitted in the area. Stop spill at source. Reclaim material if possible for reuse. Containerize contaminated material for disposal. After all visible traces have been removed flush area thoroughly with water.

**WASTE:** Dispose of all waste in accordance with local, state and federal regulations. Care must be taken when using or disposing of chemical materials and/or their containers to prevent environmental contamination.

## 7 – HANDLING and STORAGE

**HANDLING & STORAGE:** This product is a mild irritant. Eye contact will cause minor irritation. Individuals sensitive to alkaline materials may develop dermatitis upon prolonged or repeated contact with product concentrate. Wear impervious gloves and safety glasses or goggles when handling product. If dust/mist residuals are present at or above the TLV respiratory protection must be worn. Wear additional protective clothing as necessary to minimize contact with product.

## 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**RESPIRATORY PROTECTION:** Atmospheric levels should be maintained below the exposure guidelines. When respiratory protection is required, use an approved air-purifying respirator. When exposure guidelines may be greatly exceeded, use an approved positive pressure self-contained breathing apparatus. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**PROTECTIVE CLOTHING:** Chemical safety glasses and impervious gloves.

## 9 – PHYSICAL / CHEMICAL PROPERTIES

**PHYSICAL STATE:** ..... Liquid  
**APPEARANCE; Color & Odor:** .. Colorless to light amber; Moderate, solvent  
**SPECIFIC GRAVITY:**..... 0.93  
**pH, 1%:** .. ..... 6.0-8.0  
**SOLUBILITY IN WATER:**..... Complete in water.  
**VOLATILITY (wt. %, incl. H<sub>2</sub>O):** . >99

## 10 – STABILITY and REACTIVITY

**STABILITY:** Stable  
**HAZARDOUS DECOMP.:** None known  
**INCOMPATIBILITY:** None known  
**HAZARDOUS REACTIONS:** None known

## 11 – TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL PROPERTIES:** The toxicological properties of this chemical mixture as a whole have not been thoroughly investigated.  
**LISTED CARCINOGEN:** This product contains a material suspected of causing cancer.  
**MEDICAL CONDITION AGGRAVATED:** None known

## 12 – ECOLOGICAL INFORMATION

**ENVIRONMENTAL FATE:** The environmental properties of this chemical mixture have not been thoroughly investigated.

## 13 –DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of all waste product and wastes generated from this product in accordance with local, state, and federal regulations. Assume wastes are hazardous unless characterization

demonstrates otherwise. Handle empty drums as if they contain chemical residual until they have been thoroughly decontaminated.

**14 – TRANSPORTATION INFORMATION**

**PROPER SHIPPING NAME:** .....ALCOHOLS, NOS,  
**HAZARD CLASS:** .....3  
**UN/NA NUMBER:** .....UN1987  
**PACKAGING GROUP :** .....II

**15 - REGULATIONS**

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

**EPA SARA Title III Chemical Listings:**

<b>Acute:</b> ..... Yes	<b>Chronic:</b> ..... Yes
<b>Fire:</b> ..... Yes	<b>Pressure:</b> ..... No
<b>Reactive:</b> .....No	

**SARA SECTION 313:** This product contains a toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act and 40 CFR Part 372.

**16 – OTHER INFORMATION**

**HMIS RATING:**

**HEALTH:** 1,      **FLAMMABILITY:** 3,      **REACTIVITY:** 0,      **PERSONAL PROTECTION:** B

**ADDITIONAL INFORMATION:** None known