

## 1 – PRODUCT IDENTIFICATION

**PRODUCT NAME:**.....AV 2019

**COMPANY:**.....CH<sub>2</sub>O, Incorporated

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360-943-6063, 800-562-6184, (fax) 360-352-4813, www.ch2o.com

**EMERGENCY PHONE:** .....(800) 424-9300 (CHEMTREC)

**SDS DATE:** ..... 11/30/2018

**SHELF LIFE:** 2 Years

## 2 – HAZARDS IDENTIFICATION

**GHS HEALTH CLASSIFICATIONS:** .....Acute Toxicity Inhalation (4) Skin Corrosion (1A)  
Serious Eye Damage (1)

**GHS ENVIRONMENTAL CLASSIFICATIONS:** ..... None

**GHS PHYSICAL CLASSIFICATIONS:**..... Corrosive to metals



**GHS SIGNAL WORD: DANGER**

### GHS HAZARD STATEMENTS:

H314: Causes severe skin burns and eye damage

H332: Harmful if inhaled

H313: May be harmful in contact with skin

H290: May be corrosive to metals

### GHS PRECAUTIONARY STATEMENTS:

#### PREVENTION:

P264: Wash skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P234: Keep only in original container.

P260: Do not breathe dust/fumes/gas/mist/vapors/spray.

P271: Use only outdoors or in a well-ventilated area.

#### RESPONSE:

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P310: Immediately call a POISON CENTER or doctor.

P363: Wash contaminated clothing before reuse.

P390: Absorb spillage to prevent material damage.

#### STORAGE:

P405: Store locked up.

P406: Store in a corrosion resistant container, such as HDPE, or use a compatible inner liner.

#### 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

**Inhalation:** Get medical advice/attention if you feel unwell or are concerned.

**Skin Contact:** Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water with a flushing duration of 15-20 minutes. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before re-use or discard.

**Eye Contact:** Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 30 minutes. Take care not to rinse contaminated water into the unaffected eye or into the face. Immediately call a POISON CENTER/doctor.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. If vomiting occurs naturally, lie on your side, in the recovery position.

**Most Important Symptoms and Effects, both Acute and Delayed:** Causes irritation/burns that may result in permanent impairment of vision, even blindness. Contact with skin can cause irritation. May be harmful if swallowed.

**Indication of any Immediate Medical Attention and Special Treatment Needed:** Treat symptomatically

### 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:** N/A

**EXTINGUISHING MEDIA:** Use water spray, powder, foam, carbon dioxide.

**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 is an extremely alkaline product. Contact with material will cause severe burns; prolonged contact with material will destroy tissue. Complete safety equipment must be worn when handling. Wear impervious gloves, safety goggles and face shield, as well as protective clothing, boots and respiratory protection as necessary to minimize contact with product. When making solutions add product slowly to the surface of cold water while stirring, thus avoiding violent spattering. Contact with some metals, particularly magnesium, aluminum, and zinc (galvanized), can rapidly generate hydrogen gas, which is explosive.

## 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:** Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product.

## 9 – PHYSICAL / CHEMICAL PROPERTIES

**PHYSICAL STATE:** ..... Liquid

**APPEARANCE; Color & Odor:** .. Yellow to light orange; Mild, chlorine-like

**pH, 1%:** .. ..... 12-13

**SOLUBILITY IN WATER:** ..... Complete in water.

**VOLATILITY (wt. %, incl. H<sub>2</sub>O):** . >60

## 10 – STABILITY and REACTIVITY

**STABILITY:** Stable

**HAZARDOUS DECOMP.:** Nitrogen oxides, bromine and hydrobromic acid vapors.

**INCOMPATIBILITY:** Strong reducing agents such as sulfite and metabisulfite, strong acids and bases. Never mix this product with undiluted sodium hypochlorite bleach. The mixture will result in a violent exothermic reaction that produces a great deal of heat and nitrogen gas bubbles.

**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 material does not contain any known or suspected carcinogens.

**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:** .....CORROSIVE LIQUID, NOS,  
**HAZARD CLASS:** ..... 8  
**UN/NA NUMBER:** .....UN 1760  
**PACKAGING GROUP :** .....III

## 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> ..... No
<b>Fire:</b> ..... No	<b>Pressure:</b> ..... No
<b>Reactive:</b> ..... No	

**SARA SECTION 313:** This product DOES NOT contain 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:** 3,      **FLAMMABILITY:** 0,      **REACTIVITY:** 0,      **PERSONAL PROTECTION:** D

**ADDITIONAL INFORMATION:** None known