

HarChem

H₂O

Water Services

PO Box 310, Muldrow, OK 74948

SAFETY DATA SHEET HM-330

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 479-434-0618

RECOMMENDED USES: Biocide

SECTION 2: HAZARD IDENTIFICATION

Classification of the chemical

Pictogram Representation: N/A

<u>Ingredient (s)</u>	<u>CAS#</u>	<u>Max % (by weight)</u>
Peroxyacetic Acid	79-21-0	14-17%
Hydrogen Peroxide	7722-84-1	21-23%
Acetic Acid	64-19-7	14-20%
Water	7732-18-5	

HAZARD STATEMENTS: OXIDIZER

Contact with organic materials may cause violent reaction.

Causes eye burns.

Causes skin burns.

HAZARD CLASSIFICATION: N/A

SIGNAL WORD (IF APPLICABLE) : DANGER

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

MOLECULAR FORMULA: N/A

MOLECULAR WEIGHT: N/A

GENERAL USE: Biocide

SECTION 4. FIRST AID MEASURES

EYES: Immediately flush with water for at least 15 minutes, lifting upper and lower eyelids intermittently. See a medical doctor immediately.

SKIN: Remove contaminated clothing and thoroughly wash with soap and water. If irritation occurs or persists, contact a physician.

INGESTION: Rinse mouth with water. Dilute by giving 1 or 2 glasses of water. DO NOT induce vomiting. Seek medical attention immediately.

INHALATION: Remove to fresh air. If breathing discomfort occurs and persists, see a medical doctor. If breathing has stopped, give artificial respiration. Seek medical attention immediately.

FIRST AID NOTES: This product can be corrosive to skin, eyes, and mucous membranes. Consideration should be given to careful endoscopy as stomach or esophageal burns, perforations or strictures may occur. Careful gastric lavage with an endotracheal tube in place should be considered.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT: 200 F (closed cup)

AUTOIGNITION: 270 C

EXTINGUISHING MEDIA: Water spray, carbon dioxide, foam.

POLYMERIZATION: Will not occur

FIRE FIGHTING PROCEDURES: Use flooding quantities of water only. Use water spray to keep all containers cool. Fight fire from protected or removed distance. Chemical type extinguishers are not very effective. Use proper personal protective equipment and positive pressure self-contained breathing apparatus.

NFPA Hazard Codes: **Health : 3** **Fire: 1** **Reactivity: 1** **Other: OX**

SECTION 6: ACCIDENTAL RELEASE MEASURES

Always approach spills from upwind. Small spills may be flushed to an approved sewer line with generous amounts of water. For larger spills, dike well ahead of spill with non-reactive material such as sand. Spill may be neutralized with soda ash (sodium carbonate) broadcasted on surface. Use 1 to 1.5 lb. of soda ash for each gallon of spilled material. The resultant neutralized product will become carbon dioxide and water. Flush material with water and collect for disposal into plastic container. A flush to sewer may be allowed if approved by local authority. Dispose of in accordance with federal, state, or local laws.

SECTION 7: HANDLING AND STORAGE

HANDLING: Store drums in upright position only. Empty drums as thoroughly as possible. Triple rinse before disposal. Never return product to original container.

STORAGE: Do not store near reducing agents, fuels, organic material, or other non-compatible materials. Store in a cool, dry, well ventilated area. Avoid temperatures that would allow the liquid bulk temperature to rise above 86 F, as slow decay of the active ingredients will occur. DO NOT STORE IN DIRECT SUNLIGHT, or near sources of ignition or heat. Use first in, first out storage management. Containers must be vented.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE AND FACE PROTECTION: Use cup type chemical goggles or face shield.

SKIN: Use synthetic apron and protective clothing and other protective equipment as necessary to prevent skin contact.

RESPIRATORY: For normal use as directed, respiratory protection is not required. If handling concentrate product use approved acid/gas cartridge or canister if discomfort occurs. If breakthrough occurs, then use self-contained breathing apparatus.

PROTECTIVE CLOTHING: Heavy rubber or vinyl gloves. Rubber boots, vinyl or rubber protective suit.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Sharp, pungent, vinegar like odor

APPEARANCE: Colorless Liquid

PH 10% SOLUTION: <1

PERCENT VOLATILES: 99%+

VAPOR PRESSURE: 22 mm Hg @25 C

SOLUBILITY: 100% in water

DENSITY: 9.47 lbs/gal

SECTION 10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Open flames, elevated temperatures, any source of heat, and combustibles such as paper, wood, or leather. Temperatures above 86 F will degrade product, accelerate decomposition, and reduce shelf life.

STABILITY: Product is shelf stable for up to 1 year when stored at room temperatures and not in direct sunlight.

HAZARDOUS DECOMPOSITION PRODUCTS: Degrades giving off acetic acid and oxygen.

MATERIALS TO AVOID: Dirt, lye, organics, leather, paper, wood, and all metals except aluminum and stainless steel.

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS:

EYES: Corrosive to eyes.

SKIN: Corrosive to skin

INHALATION: Irritating to respiratory system

INGESTION: May be harmful if swallowed. Causes burns to mouth, throat, and stomach.

MUTAGENIC EFFECTS: No known significant effects.

TERATOGENIC EFFECTS: No known significant effects.

REPRODUCTIVE EFFECTS: No known significant effects.

SENSITIZATION: No known significant effects.

TOXICITY DATA:

HYDROGEN PEROXIDE: LD50 Oral, 500 mg/kg, rat
ACETIC ACID: LD50 Oral, 3310 mg/kg (rat)
LD50 Dermal, 1060 ul/kg, Rabbit
PERACETIC ACID: LD50 Dermal >12,000 mg/kg, rat
LD50 Oral, 210 mg/kg, mouse

SECTION 12. ECOLOGICAL INFORMATION

FRESHWATER:

Fathead Minnow: Chronic LC50, 1.16 ppm
Ceriodaphnia: Chronic, Reproductivity, LC50, 1.03 ppm
Bluegill Sunfish: Acute, LC50, 1.21 ppm
Daphnia magna: Acute, LC50, 0.76 ppm
Rainbow Trout: Acute, LC50, 0.68 ppm

MARINE:

Pacific Silverside: Acute, LC50, 2.2 ppm
Sheepshead minnow: Acute, LC50, 3.8 ppm, Chronic, 5.9 ppm
Topsmelt: Acute LC50, 2.8 ppm
Mysid: Acute, 0.7 pp,
Bay Mussel: Acute, LC50, 2.91 ppm
M. bahia: Chronic, 0.35 ppm

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with waterways, drains, and sewers. Disposal of this product should comply with the requirements of the local, state, or regional environmental authority.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT)
DOT MARKING: Organic Peroxide, Type F, Liquid (peroxyacetic acid);
HAZARD CLASS: 5.2, 8 (oxidizer, corrosive); UN/NA #: UN 3109
PACKING GROUP: II; SUBSIDIARY LABEL: 8
SARA TITLE III SECTION 302: (40 CFR 355)
Listed: (acetic acid), Planning Threshold=6,500 lbs (as is)
SECTION 302.4 REPORTABLE QUANTITIES (40 CFR 355)
Listed: (acetic acid), Planning Threshold=6,500 lbs (as is)
SECTION 311 HAZARD CATEGORY: (40 CFR 355)
Immediate Health Hazard (Acute)
SECTION 312 THRESHOLD PLANNING QUANTITY: (40 CFR 370)
Listed: (acetic acid), Planning Threshold=6,500 lbs (as is)
SECTION 313 REPORTABLE INGREDIENTS (40 CFR 372)
Listed, Peracetic Acid 15%
CERCLA (40 CFR 302.4)
Listed (Acetic Acid), Category D; RQ=31,000 lbs (as is)
CANADA: WHMIS
Class E (Corrosive)
Class C (Oxidizer) Ingredient Disclosure: Listed

SECTION 15: REGULATORY INFORMATION

HMIS (Hazardous Material Identification System)

Health 3, Flammability 1, Reactivity 1, Protection D

SECTION 16: OTHER INFORMATION

Date of Preparation: 12/3/14

Last Revision: 12/3/14