

## 1 – PRODUCT IDENTIFICATION

**PRODUCT NAME:**.....IVR-SAN 25  
**PRODUCT USE:**.....Pesticide (Do Not Relabel)  
**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:** .....3/2/2020 **SHELF LIFE:** 18 Months

## 2 – HAZARDS IDENTIFICATION

**GHS HEALTH CLASSIFICATIONS:** ..... Acute Toxicity Oral (4) Acute Toxicity Inhalation (3)  
Skin Corrosion (1B) Serious Eye Damage (1) Target Organ Toxicity- Single Exposure (2) Target Organ  
Toxicity - Repeated Exposure (2)  
**GHS ENVIRONMENTAL CLASSIFICATIONS:** ..... None  
**GHS PHYSICAL CLASSIFICATIONS:**..... None



**GHS SIGNAL WORD: DANGER**

**GHS HAZARD STATEMENTS:**

- H302: Harmful if swallowed
- H331: Toxic if inhaled
- H314: Causes severe skin burns and eye damage
- H371: May cause damage to organs
- H373: May cause damage to organs (Respiratory, Kidney, and Blood Systems) through prolonged or repeated exposure

**GHS PRECAUTIONARY STATEMENTS:**

**PREVENTION:**

- P260: Do not breathe dust/fumes/gas/mist/vapors/spray.
- P264: Wash skin thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.
- P271: Use only outdoors or in a well-ventilated area.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P284: In case of inadequate ventilation, wear respiratory protection.

**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.
- 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.
- P310: Immediately call a POISON CENTER or doctor.
- P321: See first aid measures on the SDS.
- P363: Wash contaminated clothing before reuse.

**STORAGE:**

P403+233: Store in a well ventilated place, in a tightly closed container.

P405: Store locked up.

**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:** >200°F

**EXTINGUISHING MEDIA:** Use extinguishing agents appropriate for surrounding fire.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved positive-pressure self-contained breathing apparatus. Consider evacuation of personnel located downwind. Keep unnecessary people away, isolate hazard area and deny entry. Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Flood with fine water spray. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

**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 contains a strong oxidizer. DO NOT mix with other chemicals; may cause evolution of poisonous and explosive gas. Eyewash fountain recommended in work area. Do not use pressure to empty container. Do not cut, grind, weld, or drill on or near this container. Containers, even when empty, can contain product residues and vapors; always obey hazard warnings and handle empty containers as if they were full. Store this material in a cool, dry, well ventilated area away from heat and all sources of ignition. Keep container tightly closed when not in use. Store only in approved containers that have been properly labeled. Protect container from physical damage.

## 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, impervious gloves and an apron.

## 9 – PHYSICAL / CHEMICAL PROPERTIES

**PHYSICAL STATE:** ..... Liquid  
**APPEARANCE; Color & Odor:** .. Very light yellow; Mild  
**SPECIFIC GRAVITY:**..... 1.22  
**pH, 1%:** .. ..... 9.0-11.0  
**SOLUBILITY IN WATER:**..... Complete in water.  
**VOLATILITY (wt. %, incl. H<sub>2</sub>O):** . 59-85

## 10 – STABILITY and REACTIVITY

**STABILITY:** Stable

**HAZARDOUS DECOMP.:** Chlorine dioxide is formed on contact with acids, Thermal decomposition products include chlorine and oxides of sodium

**INCOMPATIBILITY:** Acids, reducing agents, combustible material, oxidizing agents, hypochlorite, organic solvents and compounds, garbage, dirt, organic materials, household products, chemicals, soap products, paint products, vinegar, beverages, oils, pine oil, dirty rags, sulfur-containing rubber, or any other foreign matter.

**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:** May aggravate preexisting conditions such as: Eye disorders that decrease tear production or have reduced integrity. Skin disorders that compromise the integrity of the skin. Respiratory conditions including asthma and other breathing disorders. Ingestion may induce G6PD deficiency, hemolysis and renal failure. G6PD deficiency, hemoglobinopathies, renal compromise, and conditions causing hypoxia may be aggravated by ingestion of this material.

**12 – ECOLOGICAL INFORMATION**

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

**NOTE:** This chemical mixture and its use solutions are toxic to fish. Any discharge to the environment must be made only in accordance with an NPDES permit.

**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:** .....CHLORITE SOLUTION,

**HAZARD CLASS:** ..... 8

**UN/NA NUMBER:** .....UN 1908

**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:**

**Acute:** ..... Yes

**Chronic:** ..... Yes

**Fire:** ..... No

**Pressure:** ..... No

**Reactive:** ..... 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.

**EPA REGISTRATION NUMBER :** 5382-43-43553

**16 – OTHER INFORMATION**

**HMIS RATING:**

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

**ADDITIONAL INFORMATION:** None known