

1 – PRODUCT IDENTIFICATION

PRODUCT NAME:..... SC5-2
PRODUCT USE:..... Chloride Test Reagent #1
COMPANY:..... CH₂O, 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: 3/21/2017 **SHELF LIFE:** 8 Years

2 – HAZARDS IDENTIFICATION

GHS HEALTH CLASSIFICATIONS: Skin Sensitizer (1A) Germ Cell Mutagenicity (1A)
Carcinogenicity (1A)
GHS ENVIRONMENTAL CLASSIFICATIONS: Acute Aquatic Toxicity (2) Chronic Aquatic Toxicity (2)
GHS PHYSICAL CLASSIFICATIONS: None



GHS SIGNAL WORD: DANGER

GHS HAZARD STATEMENTS:

H317: May cause an allergic skin reaction
H340: May cause genetic defects
H350: May cause cancer
H401: Toxic to aquatic life
H411: Toxic to aquatic life with long lasting effects

GHS PRECAUTIONARY STATEMENTS:

PREVENTION:

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P261: Avoid breathing dust/fumes/gas/mist/vapors/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE:

P302+352: IF ON SKIN: Wash with plenty of water.
P308+313: If exposed: Call a POISON CENTER or doctor/physician.
P321: See first aid measures on the SDS.
P333+313: If skin irritation or a rash occurs: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.
P391: Collect spillage.

STORAGE:

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: 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 highly irritating by all means of exposure; inhalation, skin, ingestion and eyes. Exposure can cause permanent damage to the respiratory tract, liver, kidney and blood. This product is recognized as a cancer causing agent in animals by IARC and OSHA. It is considered a suspect carcinogen in humans by these agencies. Store product away from heat, open flame, sparks and

oxidants. Transfer lines and piping should be grounded. Do not store above 124 F (51 C). Wear a NIOSH/OSHA approved respirator if any exposure could occur. Use local exhaust ventilation to maintain levels below the TLV. Wear gloves, boots, apron and a face shield with safety glasses. A full impermeable suit is recommended if exposure is possible to the body.

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: .. Clear, yellow; Odorless

SPECIFIC GRAVITY:..... 1.04

pH, 1%: 6.0-8.0

SOLUBILITY IN WATER: Complete in water.

VOLATILITY (wt. %, incl. H₂O): . 95

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.

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:NMFC ITEM 50093/2 LIQUID

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: No
Fire: No	Pressure: No
Reactive: 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: 2, **FLAMMABILITY:** 0, **REACTIVITY:** 0, **PERSONAL PROTECTION:** B

ADDITIONAL INFORMATION: None known