

Safety Data Sheet (SDS)



NatriChlor® Hydrochloric Acid 4%

Natrichlor® Chlorine Dioxide Kit w/HCl (PART B)

The Original CD w/HCL in Glass Extra Large 8 oz Total ASIN: B0C482G2VP

The Original NatriChlor CD Set w/Accu-Drop Bottles HCL Extra Large Size (8 oz Total) ASIN: B08MVZX2KJ

SECTION 1: IDENTIFICATION

- **Chemical Identifier:** Hydrochloric Acid 4% Solution
- **Trade Names:** NatriChlor® Chlorine Dioxide Kit w/HCl (Part B), Natrichlor® 4% Hydrochloric Acid
- **Synonyms:** Muratic Acid, HCl
- **Manufacturer:** Keavy's Corner LLC
- **Address:** 12413 US Highway 98, Sebring, FL 33876
- **Phone Number:** 863-304-1004
- **Emergency Contact:** 863 304 5046 (24 hour)
- **Recommended Use:** For the onsite generation of chlorine dioxide. Packaged in limited quantities for consumer household uses.
- **Restrictions on Use:** Use only as directed; not for internal use

SECTION 2: HAZARD IDENTIFICATION

- **Classification:**
 - Skin Irritation Category 2
 - Eye Irritation Category 2A
 - Hazardous to the Aquatic Environment (Acute) Category 3
- **Label Elements:**
 - **Pictograms:**



- **Signal Word:** Warning
- **Hazard Statements:**
 - H315: Causes skin irritation.
 - H319: Causes serious eye irritation.
 - H402: Harmful to aquatic life.
- **Precautionary Statements:**
 - P264: Wash hands thoroughly after handling.
 - P273: Avoid release to the environment.
 - P280: Wear protective gloves/protective clothing/eye protection/face protection.
 - P302+P352: IF ON SKIN: Wash with plenty of soap and water.
 - P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P332+P313: If skin irritation occurs: Get medical advice/attention.
 - P337+P313: If eye irritation persists: Get medical advice/attention.
 - P501: Dispose of contents/container in accordance with local regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Concentration
Hydrochloric Acid	7647-01-0	4%
Water	7732-18-5	96%

SECTION 4: FIRST AID MEASURES

- **Inhalation:** Move the person to fresh air and keep them comfortable for breathing. If they experience difficulty breathing or irritation, seek medical attention. If symptoms persist, call a doctor.
- **Skin Contact:** Immediately remove any contaminated clothing. Rinse skin with plenty of water for at least 15 minutes. If irritation occurs, seek medical advice. Wash contaminated clothing before reuse.
- **Eye Contact:** Rinse cautiously with water for several minutes. If wearing contact lenses, remove them if it is easy to do so. Continue rinsing. If eye irritation persists, seek medical attention.
- **Ingestion:** Rinse mouth with water. Do NOT induce vomiting. If the person feels unwell or symptoms persist, call a POISON CENTER or doctor immediately.
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SECTION 5: FIRE-FIGHTING MEASURES

- **Conditions Of Flammability:** Not flammable.
 - **Means To Extinguish:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment (water spray, alcohol-resistant foam, dry chemical, or carbon dioxide).
 - **Hazardous Combustion Products:** Hydrogen chloride gas.
 - **Flash Point & Method:** Not applicable
 - **Upper Flammability Limit:** Not applicable
 - **Lower Flammability Limit:** Not applicable
 - **Auto-Ignition Temperature:** Not applicable
 - **Mechanical Impact Sensitivity:** Not applicable (water solution)
 - **Static Discharge Sensitivity:** Not applicable (water solution)
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SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal Precautions, Protective Equipment, and Emergency Procedures:** Wear protective clothing, gloves, and eye/face protection. Ensure adequate ventilation.
 - **Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Avoid release to the environment. Do not let product enter drains.
 - **Methods and Materials for Containment and Cleaning Up:** Neutralize with soda ash or lime. Absorb with inert material and dispose of according to local regulations.
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SECTION 7: HANDLING AND STORAGE

- **Precautions for Safe Handling:** Avoid contact with skin, eyes, and clothing. Although the solution is less concentrated, it can still cause irritation. Ensure good ventilation in the work area to prevent the build-up of vapors. Wear appropriate personal protective equipment (PPE) such as gloves, eye protection, and protective clothing. Wash hands thoroughly after handling. Avoid inhaling mist or vapors.
 - **Conditions for Safe Storage, Including Any Incompatibilities:** Store in a cool, dry, well-ventilated area away from incompatible materials such as strong bases, oxidizers, and metals. Keep the container tightly closed when not in use to avoid evaporation and spillage. Store away from direct sunlight and sources of heat to prevent degradation.
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Exposure Limits:**
 - ACGIH TLV: 2 ppm Ceiling
 - OSHA PEL: 5 ppm Ceiling
 - **Engineering Controls:** Ensure adequate ventilation, especially in confined areas.
 - **Personal Protective Equipment (PPE):**
 - **Eye/Face Protection:** Safety glasses with side shields or chemical goggles to prevent eye irritation. Face shields should be used if there is a risk of splashing.
 - **Skin Protection:** Chemical-resistant gloves (e.g., rubber, neoprene) to prevent skin contact. Use of a lab coat or apron to protect skin and clothing.
 - **Respiratory Protection:** Not generally required under normal conditions and adequate ventilation. If mist or aerosol formation occurs, use a NIOSH-approved respirator suitable for acidic mists.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Clear, colorless liquid
 - **Odor:** Pungent, irritating odor
 - **pH:** < 1
 - **Melting Point/Freezing Point:** ~0°C
 - **Boiling Point:** ~100°C
 - **Flash Point:** Not applicable
 - **Evaporation Rate:** Similar to water
 - **Flammability:** Not flammable
 - **Vapor Pressure:** Similar to water
 - **Density:** 1.0 g/cm³
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SECTION 10: STABILITY AND REACTIVITY

- **Reactivity:** Reacts with metals to produce flammable hydrogen gas. Reacts with bases to release heat.
 - **Chemical Stability:** Stable under recommended storage conditions.
 - **Possibility of Hazardous Reactions:** Hazardous polymerization does not occur.
 - **Conditions to Avoid:** Excessive heat, direct sunlight, and incompatible materials.
 - **Incompatible Materials:** Bases, oxidizing agents, metals.
 - **Hazardous Decomposition Products:** Hydrogen chloride gas.
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SECTION 11: TOXICOLOGICAL INFORMATION

- **Acute Toxicity:** May cause irritation to the mouth, throat, esophagus, and gastrointestinal tract. Prolonged or repeated skin contact will cause irritation and redness. Can cause burns if left on skin for extended period.
 - **Inhalation:** Inhalation may cause respiratory tract irritation. Prolonged exposure may lead to coughing and shortness of breath.
 - **Skin Corrosion/Irritation:** Mild to moderate skin irritation. Redness, dryness, and itching may occur upon prolonged or repeated exposure. Can cause burns if left on skin for extended period.
 - **Serious Eye Damage/Eye Irritation:** Can cause moderate eye irritation. It may cause redness, tearing, and discomfort. Severe damage is less likely but can occur with prolonged exposure or splashing.
 - **Respiratory or Skin Sensitization:** Not expected to be a sensitizer.
 - **Germ Cell Mutagenicity:** Not classified as a mutagen.
 - **Carcinogenicity:** Hydrochloric acid is not classified as a carcinogen by IARC, NTP, OSHA, or ACGIH.
 - **Reproductive Toxicity:** Not classified as a reproductive toxin.
 - **Specific Target Organ Toxicity (Single Exposure):** May cause respiratory irritation if inhaled.
 - **Specific Target Organ Toxicity (Repeated Exposure):** Not classified; effects are less severe due to low concentration.
 - **Aspiration Hazard:** Not expected to be an aspiration hazard at this concentration.
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SECTION 12: ECOLOGICAL INFORMATION

- **Toxicity:** Harmful to aquatic life
 - **Persistence and Degradability:** Not readily biodegradable.
 - **Bio-accumulative Potential:** Low bioaccumulation potential.
 - **Mobility in Soil:** Soluble in water.
 - **Other Adverse Effects:** May have adverse effects on aquatic life and ecosystems.
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SECTION 13: DISPOSAL CONSIDERATIONS

- **Waste Treatment Methods:** Neutralize waste before disposal. Dispose of contents/container in accordance with local/regional/national/international regulations. Avoid release to the environment.
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SECTION 14: TRANSPORT INFORMATION

- **UN Number:** 1789
 - **UN Proper Shipping Name:** Hydrochloric acid
 - **Transport Hazard Class(es):** 8 (Corrosive)
 - **Packing Group:** III
 - **Additional Information:** This product is packaged in small quantities for consumer use and is classified as a Consumer Commodity.
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SECTION 15: REGULATORY INFORMATION

- **Safety, Health, and Environmental Regulations/Legislation Specific for the Substance or Mixture:** Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200.
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SECTION 16: OTHER INFORMATION

- **Date of Last Revision:** 08/28/2024
 - **Revision Note:** Re-authored to meet with GHS standards.
 - **Supersedes all previous versions.**
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Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release, and is not to be considered a warranty or quality specification.