

Safety Data Sheet



NatriChlor® Sodium Chlorite Solution 25% Natrchlor Chlorine Dioxide Kit (PART A)

The Original CD Set with Citric Acid Solution Kit (2 Bottles) ASIN: B07TN8PNQX

The Original" CD Set with Citric Acid 4 Ounce Bottles ASIN: B0C1ZPCQJD

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:** Sodium Chlorite 25% Solution
- **Trade Names:** NatriChlor® Chlorine Dioxide Kit Part A, Natrchlor® 25% Sodium Chlorite
- **Synonyms:** Chlorus Acid, 25%, Sodium Chlorite Solution
- **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:**
 - Acute Toxicity (Oral) Category 4
 - Skin Corrosion/Irritation Category 3
 - Serious Eye Damage/Eye Irritation Category 1
 - Hazardous to the Aquatic Environment (Acute) Category 1
 - Hazardous to the Aquatic Environment (Chronic) Category 2
- **Label Elements:**

Pictograms:



Signal Word: Danger

- **Hazard Statements:**
 - H302: Harmful if swallowed.
 - H314: Causes severe skin burns and eye damage.
 - H318: Causes serious eye damage.
 - H400: Very toxic to aquatic life.
 - H411: Toxic to aquatic life with long-lasting effects
- **Precautionary Statements**
 - P260: Do not breathe dust/fume/gas/mist/vapors/spray.
 - P280: Wear protective gloves/protective clothing/eye protection/face protection.
 - P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 - P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P302+P352: IF ON SKIN: Wash with plenty of soap and water.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Concentration
Sodium Chlorite	7758-19-2	25%
Water	7732-18-5	75%

SECTION 4: FIRST AID MEASURES

- **Inhalation:** Remove person to fresh air and keep comfortable for breathing. Seek medical attention if symptoms persist.
- **Skin Contact:** Remove contaminated clothing immediately. Rinse skin with water/shower. Seek medical attention if irritation occurs.

- **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention.
 - **Ingestion:** Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
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SECTION 5: FIRE-FIGHTING MEASURES

- **Conditions Of Flammability:** Does not burn, but combustibles wetted with this solution and subsequently dried are easily ignited and burn vigorously.
 - **Means To Extinguish:** Water is the primary and most effective extinguisher. Alcohol-resistant foam, dry chemical, or carbon dioxide can also be used.
 - **Hazardous Combustion Products:** None, does not burn.
 - **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. Do not let product enter drains.
 - **Methods and Materials for Containment and Cleaning Up:** 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. Wash hands thoroughly after handling.
 - **Conditions for Safe Storage, Including Any Incompatibilities:** Store in a cool, dry, well-ventilated area away from incompatible materials.
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Exposure Limits:** No occupational exposure limits established.
 - **Engineering Controls:** Ensure adequate ventilation, especially in confined areas.
 - **Personal Protective Equipment (PPE):**
 - **Eye/Face Protection:** Safety goggles or face shield.
 - **Skin Protection:** Protective gloves and clothing.
 - **Respiratory Protection:** Use NIOSH-approved respirator if exposure limits are exceeded or irritation occurs.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Clear, colorless liquid
 - **Odor:** Slight chlorine odor
 - **pH:** 9-11
 - **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:** 1.1 g/cm³
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SECTION 10: STABILITY AND REACTIVITY

- **Reactivity:** Reacts with acids to release chlorine dioxide gas.
 - **Chemical Stability:** Stable under recommended storage conditions.
 - **Possibility of Hazardous Reactions:** Hazardous polymerization does not occur.
 - **Conditions to Avoid:** Excessive heat, direct sunlight.
 - **Incompatible Materials:** Acids, reducing agents, combustible materials.
 - **Hazardous Decomposition Products:** Chlorine dioxide, chlorine, oxides of sodium.
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SECTION 11: TOXICOLOGICAL INFORMATION

- **Acute Toxicity:** Harmful if swallowed. Causes severe skin burns and eye damage.
- **Skin Corrosion/Irritation:** Causes severe skin burns with prolonged contact.
- **Serious Eye Damage/Eye Irritation:** Causes serious eye damage.
- **Respiratory or Skin Sensitization:** Not classified.
- **Germ Cell Mutagenicity:** Not classified.

- **Carcinogenicity:** Not classified.
 - **Reproductive Toxicity:** Not classified.
 - **Specific Target Organ Toxicity (Single Exposure):** Not classified.
 - **Specific Target Organ Toxicity (Repeated Exposure):** Not classified.
 - **Aspiration Hazard:** Not classified.
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SECTION 12: ECOLOGICAL INFORMATION

- **Toxicity:** Very toxic to aquatic life . Toxic to aquatic life with long-lasting effects.
 - **Persistence and Degradability:** Not readily biodegradable. However Sodium chlorite will dissociate in water to sodium ions (Na^{++}) and chlorite ions (ClO_2^-). These ions do not biodegrade, but chlorite ions can slowly reduce to chloride ions (Cl^-), especially in the presence of reducing agents or organic matter.
 - **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:** Dispose of contents/container in accordance with local/regional/national/international regulations.
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SECTION 14: TRANSPORT INFORMATION

- **UN Number:** 1908
 - **UN Proper Shipping Name:** Chlorite solution
 - **Transport Hazard Class(es):** 8 (Corrosive)
 - **Packing Group:** II
 - **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.

SECTION 16: OTHER INFORMATION

- **Date of Last Revision:** 08/28/2024
- **Revision Note:** Re-authored to meet with GHS standards.
- **Supersedes all previous versions.**

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.