

Safety Data Sheet (SDS)



NatriChlor® Citric Acid Solution 50%

Natrchlor® Chlorine Dioxide Kit w/citric acid (PART B)

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

SECTION 1: IDENTIFICATION

- **Chemical Identifier:** Citric Acid 50% Solution
 - **Trade Names:** NatriChlor® Chlorine Dioxide Kit w/citric acid (Part B), Natrchlor® 50% Citric Acid
 - **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
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SECTION 2: HAZARD IDENTIFICATION

- **Classification:**
 - Eye Irritation Category 2A
 - Skin Irritation Category 2
- **Label Elements:**
 - **Pictograms:**



- **Signal Word:** Warning

- **Hazard Statements:**
 - H315: Causes skin irritation.
 - H319: Causes serious eye irritation.
 - **Precautionary Statements:**
 - P264: Wash hands thoroughly after handling.
 - 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.
 - P362+P364: Take off contaminated clothing and wash it before reuse.
 - P501: Dispose of contents/container in accordance with local regulations.
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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component CAS Number Concentration

Citric Acid	77-92-9	50%
Water	7732-18-5	50%

SECTION 4: FIRST AID MEASURES

- **Inhalation:**
Move the person to fresh air. If symptoms persist, seek medical attention.
 - **Skin Contact:**
Remove contaminated clothing and wash skin with plenty of soap and water. If skin irritation occurs, get medical advice/attention.
 - **Eye Contact:**
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, seek medical attention.
 - **Ingestion:**
Rinse mouth with water. Do not induce vomiting. If symptoms persist, seek medical attention.
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SECTION 5: FIRE-FIGHTING MEASURES

- **Conditions of Flammability:**
Not flammable.
 - **Means To Extinguish:**
Use extinguishing media appropriate for surrounding fire. Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide can be used.
 - **Hazardous Combustion Products:**
Carbon oxides (CO, CO₂).
 - **Flash Point & Method:**
Not applicable.
 - **Upper Flammability Limit:**
Not applicable.
 - **Lower Flammability Limit:**
Not applicable.
 - **Auto-Ignition Temperature:**
Not applicable.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal Precautions, Protective Equipment, and Emergency Procedures:**
Use personal protective equipment. Avoid contact with skin and eyes. 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:**
Contain spillage, and then collect with non-combustible absorbent material (e.g., sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local regulations.
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SECTION 7: HANDLING AND STORAGE

- **Precautions for Safe Handling:**
Avoid contact with skin and eyes. Wash hands thoroughly after handling. Use in a well-ventilated area.
 - **Conditions for Safe Storage, Including Any Incompatibilities:**
Store in a cool, dry, well-ventilated area away from incompatible materials such as strong bases and oxidizing agents. Keep container tightly closed.
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Exposure Limits:**
No occupational exposure limits established for citric acid.
 - **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:** Not required under normal use conditions. Use a NIOSH-approved respirator if exposure limits are exceeded or irritation occurs.
 - **Body Protection:** Use protective clothing to prevent skin contact.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Clear, colorless liquid
 - **Odor:** Odorless
 - **Odor Threshold:** Not applicable
 - **pH:** 1.5 - 2.5
 - **Melting Point/Freezing Point:** Approximately 0°C
 - **Boiling Point/Boiling Range:** Approximately 100°C
 - **Flash Point:** Not applicable
 - **Evaporation Rate:** Similar to water
 - **Flammability (Solid, Gas):** Not applicable
 - **Upper/Lower Flammability or Explosive Limits:** Not applicable
 - **Vapor Pressure:** Similar to water
 - **Vapor Density:** Similar to water vapor
 - **Relative Density:** 1.2 g/cm³
 - **Solubility(ies):** Completely soluble in water
 - **Partition Coefficient (n-octanol/water):** Not applicable
 - **Auto-Ignition Temperature:** Not applicable
 - **Decomposition Temperature:** Not available
 - **Viscosity:** Similar to water
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SECTION 10: STABILITY AND REACTIVITY

- **Reactivity:**
Reacts with strong bases and oxidizing agents.
- **Chemical Stability:**
Stable under normal storage conditions.
- **Possibility of Hazardous Reactions:**
No hazardous reactions expected under normal use.

- **Conditions to Avoid:**
Excessive heat, direct sunlight, and incompatible materials.
 - **Incompatible Materials:**
Strong bases, oxidizing agents.
 - **Hazardous Decomposition Products:**
Carbon oxides.
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SECTION 11: TOXICOLOGICAL INFORMATION

- **Acute Toxicity:**
Low acute toxicity. Citric acid is considered generally safe for most uses but can cause irritation in concentrated form.
 - **Skin Corrosion/Irritation:**
May cause skin irritation upon prolonged contact with the 50% solution.
 - **Serious Eye Damage/Eye Irritation:**
Causes serious eye irritation. Can cause redness, tearing, and discomfort.
 - **Respiratory or Skin Sensitization:**
Not expected to be a sensitizer.
 - **Germ Cell Mutagenicity:**
Not classified as a mutagen.
 - **Carcinogenicity:**
Not classified as a carcinogen.
 - **Reproductive Toxicity:**
Not classified as a reproductive toxin.
 - **Specific Target Organ Toxicity (Single Exposure):**
May cause respiratory irritation if inhaled as mist.
 - **Specific Target Organ Toxicity (Repeated Exposure):**
Not classified.
 - **Aspiration Hazard:**
Not expected to be an aspiration hazard.
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SECTION 12: ECOLOGICAL INFORMATION

- **Toxicity:**
Not expected to be harmful to aquatic life in typical use concentrations. High concentrations may alter the pH of aquatic environments.
- **Persistence and Degradability:**
Citric acid is readily biodegradable. It breaks down in the environment to carbon dioxide and water.
- **Bioaccumulative Potential:**
Low bioaccumulation potential.

- **Mobility in Soil:**
Citric acid is highly mobile in soil and water.
 - **Other Adverse Effects:**
No additional adverse effects known.
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SECTION 13: DISPOSAL CONSIDERATIONS

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

- **UN Number:** Not regulated
 - **UN Proper Shipping Name:** Not regulated
 - **Transport Hazard Class(es):** Not regulated
 - **Packing Group:** Not regulated
 - **Additional Information:** Not classified as a dangerous good for transport.
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SECTION 15: REGULATORY INFORMATION

- **Safety, Health, and Environmental Regulations/Legislation Specific for the Substance or Mixture:**
Citric acid is not regulated under typical safety, health, and environmental regulations. However, ensure compliance with local regulations
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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.