

Enviro Tech Chemical Services, Inc. 500 Winmoore Way Modesto, CA 95358

## SAFETY DATA SHEET

### SECTION 1 - IDENTIFICATION

**Product Identifier:** ENVIRO CHLOR  
**Chemical Family:** Bleach

**Product Code:** 21

**Enviro Tech Chemical Services, Inc.**  
 500 Winmoore Way Modesto, CA 95358  
 (209) 581-9576 (7 AM to 5 PM, PST, Monday to Friday)

**24 Hr. Emergency Tel.#:** 800-424-9300

### SECTION 2 - HAZARDS IDENTIFICATION

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). These requirements differ from the classification criteria and hazard information required for safety data sheets of non-pesticide chemicals. Please see Section 15 for FIFRA labeling information.

**Classification of the Substance or Mixture:**

Skin Corrosion - Category 1  
 Serious Eye Damage - Category 1  
 Corrosive to Metals - Category 1  
 Acute Toxicity - Oral Category 5



**Signal Word:** DANGER

**Hazard Statements:**

Causes severe skin burns and eye damage  
 May be corrosive to metals  
 May be harmful if swallowed

**Precautionary Statements:**

Wear protective gloves/protective clothing/eye protection/face protection.  
 Wash thoroughly after handling  
**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

### SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Concentration
SODIUM HYPOCHLORITE	7681-52-9	12-13%

### SECTION 4 - FIRST-AID MEASURES

**Inhalation:** Remove source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor.

**Skin Contact:** Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Rinse skin with lukewarm, gently flowing water/shower with a flushing duration of 30 minutes. Immediately call POISON CENTER/doctor. Wash contaminated clothing before re-use.

**Eye Contact:** Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 30 minutes. Take care not to rinse contaminated water into the unaffected eye or into the face. Immediately call a POISON CENTER/doctor.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. If vomiting occurs naturally, lie on your side, in the recovery position.

**Most Important Symptoms and Effects, both Acute and Delayed:** Contact with skin/eyes can cause irritation or severe burns and scarring with greater exposures. Causes irritation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision, even blindness.

**Indication of any Immediate Medical Attention and Special Treatment Needed:** Treat symptomatically

### SECTION 5 - FIRE-FIGHTING MEASURES

**Extinguishing Media:** Use water spray, powder, foam, carbon dioxide.

**Special hazards arising from the substance or mixture:** Non combustible. May give off irritating or toxic fumes (or gases) in a fire.

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**Flammability classification (OSHA 29 CFR 1910.106) (Hazcom 2012):** Non flammable

**Hazardous Combustion Products:** Non combustible

**Special protective equipment and precautions for firefighters:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

**Methods and materials for containment and cleaning up:** SMALL SPILLS (less than 1 gallon): Dike small spills with inert material (sand, earth, etc.). Collect in plastic containers only. Wash area and let dry. LARGE SPILL: Should be diked with sand ahead of spill. Collect in plastic containers only. Ensure adequate decontamination of tools and equipment following clean up.

**Special spill response procedures:** Collect spills in plastic containers only

### SECTION 7 - HANDLING AND STORAGE

**Precautions for Safe Handling:** Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

**Conditions for Safe Storage:** Keep product in tightly closed container when not in use. Do not drop, roll, or skid drum. Store in a cool, dry, well-ventilated area away from heat or open flame.

**Incompatible Materials:** Avoid acids and/or strong oxidizers when using or storing this product.

### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Ventilation and engineering measures:** Forced air, local exhaust, or open air is adequate.

**Respiratory Protection:** In case of confined spaces or high levels encountered in the air, wear self contained breathing apparatus.

**Skin Protection:** Wear chemical resistant gloves and chemical resistant garments when handling, wash garments before re-use.

**Eye/Face Protection:** Wear safety glasses, goggles and/or face shield to prevent eye contact.

**Other Protective Equipment:** Eye wash facility and emergency shower should be in close proximity.

**General Hygiene Conditions:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industry hygiene and safety practice.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Bright yellow liquid

**Odor:** Bleach/Chlorine

**pH:** ~12

**Melting/Freezing point:** ~5 °F/-15 °C

**Initial boiling point and boiling range:** ~IBP 215 °F / 102 °C

**Flash Point:** None

**Flammability (solid, gas):** Non flammable

**Lower flammable limit (% by vol.):** Not applicable

**Upper flammable limit (% by vol.):** Not applicable

**Vapor Pressure (mm Hg):** ~12

**Vapor Density (air=1):** ~2.6

**Specific gravity:** 1.18 g/mL

**Solubility in Water:** Complete

**Auto ignition Temperature:** Not applicable

**Decomposition temperature:** Above 230°F/ 110 °C

**Viscosity:** ~1.75 cP at 68 °F/ 20 °C

### SECTION 10 - STABILITY AND REACTIVITY

**Reactivity:** Higher temperatures will lead to faster decomposition

**Chemical Stability:** Stable under normal conditions

**Possibility of Hazardous Reactions:** Incompatible with acids and strong oxidizers, may emit chlorine gas and hydrogen chloride.

**Conditions to Avoid:** Incompatible materials and high temperatures

**Incompatible Materials:** Avoid acids or strong oxidizers when using or storing this product.

**Hazardous Decomposition Products:** Chlorine gas and hydrogen chloride.

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## SECTION 11 - TOXICOLOGICAL INFORMATION

### Informaiton on likely routes of exposure:

Routes of entry - inhalation: YES

Routes of entry - skin & eye: YES

Routes of entry - ingestion: YES

Routes of entry - skin absorption: YES

### Potential Health Effects:

#### Signs and symptoms of short term (acute) exposure:

**Inhalation:** May cause irritation to respiratory system

**Ingestion:** May cause irritation to digestive system

**Skin:** Corrosive! Contact with skin can cause irritation or severe burns and scarring with greater exposures.

**Eye:** Corrosive! Causes irritation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision, even blindness.

**Potential Chronic Health Effects:** Sensitization

**Mutagenicity:** No known effect on humans or animals

**Carcinogenicity:** NTP - No, IARC - No, OSHA - No.

**Reproductive effects:** No known effect on humans or animals

**Sensitization to material:** Prolonged contact with bleach solutions can lead to sensitization at contact site

**Specific target organ effects:** No information available

**Medical conditions aggravated by overexposure:** No information available

**Toxicological data:** The calculated ATE values for this mixture are:

ATE oral = >3000 mg/kg

ATE dermal = >10000 mg/kg

ATE inhalation (vapors) = No data available

## SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicity:** Sodium hypochlorite is low in toxicity to avian wildlife, but it is highly toxic to freshwater fish and invertebrates.

**Persistence and degradability:** In fresh water, sodium hypochlorite breaks down rapidly into nontoxic compounds when exposed to sunlight. In seawater, chlorine levels decline rapidly; however, hypobromite (which is acutely toxic to aquatic organisms) is formed.

**Bioaccumulation potential:** Not expected to occur

**Mobility in soil:** No information available

**Other Adverse Environmental effects:** No information available

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Handling for disposal:** Do not contaminate water, food, or feed by storage and/or disposal. When handling refer to protective measures listed in sections 7 and 8. Empty residue from containers, rinse container well.

**Method of disposal:** Dispose of in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

**RCRA:** Test waste material for corrosivity, D002, prior to disposal.

## SECTION 14 - TRANSPORTATION INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Please note the GHS and DOT Standarts are NOT identical and therefore can have varying classifications

**US 49 CFR/DOT/IATA/IMDG Information:**

**UN No.:** 1791

**UN Proper Shipping Name:** Hypochlorite Solutions

**Transportation hazard class(es):** 8

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**SAFETY DATA SHEET****Packing Group:** II**Environmental hazards:** Not a Marine Pollutant**SECTION 15 - REGULATORY INFORMATION**

FIFRA Classification/Typical Hazard Labeling, as outlined in EPA Label Review Manual

Hazard Data

Signal Word	DANGER
Acute Toxicity, oral	Not Classified (NC)
Acute Toxicity, dermal	Not Classified (NC)
Acute Toxicity, inhalation	Not classified (NC)
Skin irritation/corrosion	Category I: Corrosive. Causes skin burns
Serious eye damage	Not Classified (NC)
Sensitization	Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
Environmental (aquatic) toxicity	This pesticide is toxic to fish and other aquatic organisms.

**US Federal Information:****TSCA information:** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.**US CERCLA Reportable quantity (RQ):** Contains Sodium Hypochlorite with an RQ of 100 lbs.**SARA Title III:** Section 311/312 Category: Immediate (Acute) Health Hazard: YES - Delayed (Chronic) Health Hazard: NO - Fire Hazard: YES - Sudden Release Of Pressure Hazard: NO - Reactive Hazard: NO, Section 313: Not subject to Toxic Chemical Release Inventory Reporting.**US State Right to Know Laws:** Does not contain any chemicals reportable under California Proposition 65. MA, NJ, PA - Sodium Hypochlorite**SECTION 16 - OTHER INFORMATION****Legend:****SARA:** The Superfund Amendments and Reauthorization Act**RCRA:** Resource Conservation and Recovery Act**TSCA:** Toxic Substances Control Act**CFR:** Code of Federal Regulations**DOT:** Department of Transportation**ATE:** Acute Toxicity Estimate**Preparation date:** 8/16/2013