

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

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: ENVIRO CHLOR 5.25%
Chemical Family: Bleach

Product Code: 22

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:

Serious Eye Damage - Category 1
Skin Irritation - Category 2
Corrosive to Metals - Category 1



Signal Word: DANGER

Hazard Statements:

Causes skin irritation
Causes serious eye damage
May be corrosive to metals

Precautionary Statements:

Wash thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection.
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	5-7%

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 contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water with a flushing duration of 15-20 minutes. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before re-use or discard.

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: Pale yellow liquid

Odor: Bleach/Chlorine

pH: ~12

Initial boiling point and boiling range: IBP 212 °F / 100 °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): ~17

Vapor Density (air=1): No information available

Specific gravity: 1.08 g/mL

Solubility in Water: Completely soluble

Auto ignition Temperature: Not applicable

Decomposition temperature: Above 230°F/ 110 °C

Viscosity: ~1.00 cP at 25 °C

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Higher temperatures will lead to faster decomposition. Oxidizing agents, reducing agents, metals, acids and alkalis.

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: Contact with skin can cause irritation.

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: No information available

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 = >5000 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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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	Category I: Corrosive, Causes irreversible eye damage
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

SARA: The Superfund Amendments and Reauthorization Act**SARA:** The Superfund Amendments and Reauthorizatioin 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:** 10/15/2013