



MATERIAL SAFETY DATA SHEET

DATE PREPARED: 03/12/2004

MSDS No: 1510

ChemCal 1510

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ChemCal 1510

MANUFACTURER

ChemCal, Inc.
635 Westport Parkway
Suite 312
Grapevine, TX 76051
Customer Service: 817 - 251 - 1508

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>
Hypochlorous acid, sodium salt	~9 - 10	7681-52-9

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: Severely irritating to the eyes.

SKIN: Can cause irritation, reddening of skin and skin damage.

SKIN ABSORPTION: None Expected.

INGESTION: Causes irritation of membranes of the mouth, throat, esophagus and stomach with possible ulceration.

INHALATION: May cause severe irritation of the upper respiratory tract.

ACUTE EFFECTS: Irritating effects increase with strength of solution and time of exposure.

SUBCHRONIC/CHRONIC TOXICITY

CHRONIC: Irritation to eyes, throat, and mucous membranes.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

INGESTION: If swallowed give two glasses of water call the poison control center and seek immediate medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Non-flammable

EXTINGUISHING MEDIA: Extinguish using agent suitable for surrounding area

OTHER CONSIDERATIONS: Contact with organic materials from spilled material may cause fire.

FIRE FIGHTING PROCEDURES: Use any means suitable for extinguishing the surrounding fire. Use water spray to blanket the fire, cool exposed containers, and to flush non-ignited spills or vapors away from the fire.

FIRE FIGHTING EQUIPMENT: Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool and protect containers from excessive heat.

HAZARDOUS DECOMPOSITION PRODUCTS: Chlorine gas

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Ventilate area of leak or spill. Wear appropriate PPE. Contain and recover liquid if possible. Residues can be diluted with water and neutralized with sodium sulfite.

LARGE SPILL: Ventilate area of leak or spill. Wear appropriate PPE. Contain and recover liquid if possible. Residues can be diluted with water and neutralized with sodium sulfite. Do not use flammable organic materials such as sawdust to absorb the spill.

ChemCal 1510

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not allow spilled material to enter storm sewers or streams.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep in a tightly closed container, stored in a cool, dry, well ventilated, location. Protect from direct sunlight.

HANDLING: Wash hands after handling containers or feed equipment.

STORAGE: Keep container closed when not in use.

SHELF LIFE: 3 months. Concentrated bleach solutions lose activity with time.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

PERSONAL PROTECTION

EYES AND FACE: Wear safety glasses with side shields (or goggles) and a face shield.

SKIN: Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

RESPIRATORY: None required

WORK HYGIENIC PRACTICES: Wash hands after handling the product. Avoid contact with eyes if product residues are present on skin or clothing.

OTHER USE PRECAUTIONS: Avoid prolonged breathing of concentrated vapors.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Distinct halogen odor.

APPEARANCE: Clear light yellow to greenish liquid.

pH: 11 to 13

SOLUBILITY IN WATER: Soluble

EVAPORATION RATE: Not Determined

SPECIFIC GRAVITY: ~1.19 to 1.21 @ 25°C

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Excessive heat and freezing conditions.

STABILITY: Stable under normal conditions of use and storage.

POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION: Chlorine gas

INCOMPATIBLE MATERIALS: Avoid contamination with acids, heavy metals, reducing agents, organics, and ammonia.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY:

IARC: No

NTP: No

OSHA: No

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Material is expected to react and degrade quickly.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations.

EMPTY CONTAINER: Containers should be triple rinsed and offered up for recycle or disposal in accordance with local, state, and federal law.

ChemCal 1510

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Hypochlorite solutions

TECHNICAL NAME: Sodium Hypochlorite

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: 1791

PACKING GROUP: III

REPORTABLE QUANTITY (RQ) UNDER CERCLA: 100 Lbs.

NAERG: 154

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: YES **PRESSURE GENERATING:** NO **REACTIVITY:** NO **ACUTE:** YES **CHRONIC:** NO

313 REPORTABLE INGREDIENTS: Not Regulated

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: Not Regulated

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

REPORTABLE SPILL QUANTITY: 100 Lbs

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All ingredients listed in the TSCA inventory.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): Yes

GENERAL COMMENTS: Federal Insecticide Fungicide and Rodenticide Act (FIFRA) registered pesticide. 40 CFR 152.10

16. OTHER INFORMATION

APPROVAL DATE: 03/12/2004

REVISION SUMMARY: New MSDS

NFPA CODES

FIRE: 0 **HEALTH:** 3 **REACTIVITY:** 1

HMIS CODES

FLAMMABILITY: 0 **HEALTH:** 3 **PHYSICAL HAZARD:** 1

MANUFACTURER DISCLAIMER:

The data presented is true and correct to the best of our knowledge and belief at the time of preparation, however, neither seller nor preparer make any warranties, expressed or implied, concerning the information presented. The user is cautioned to perform their own evaluation and determination regarding the use of this product.