



SAFETY DATA SHEET

Alco-Chem, Inc.

Date Issued : 11/19/2012

Date Revised : 11/13/2017

Revision No : 1

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT FORMULATION NAME: Alchlor

Sold By

Alco-Chem, Inc.
45 N. Summit Street
Akron, Ohio 44308
(330) 253-3535

24 HR. EMERGENCY TELEPHONE NUMBER

CHEMTEL 1-800-255-3924

EPA REG. NO.: 62255-20004-34714

EPA Establishment No. 34714-OH-001

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Serious Eye Damage, Category 1C

GHS LABEL



Corrosion

HAZARD STATEMENTS

H401: Toxic to aquatic life.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Pale yellow to green liquid with chlorine (bleach) odor

IMMEDIATE CONCERNS: **Danger** Corrosive. Can cause eye burns and permanent tissue damage.

POTENTIAL HEALTH EFFECTS

EYES: Corrosive to the eyes and may cause severe damage including blindness.

SKIN: DANGER CORROSIVE Causes burns to skin.

INGESTION: Harmful if swallowed.

INHALATION: Prolonged inhalation may be harmful. Irritating to the nose, throat and respiratory tract.

COMMENTS:

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. May cause severe skin and eye irritation or chemical burns to broken skin. Causes eye damage. Do not get in eyes, on skin or clothing. Wear safety glasses or goggles and rubber gloves when handling this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Avoid breathing vapors.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

STRONG OXIDIZING AGENT: Mix only with water according to label directions. Mixing this product with chemicals (e.g. ammonia, acids, detergents, etc.) or organic matter (e.g. urine feces, etc.) will release chlorine gas, which is irritating to eyes, lungs, and mucous membranes. Vacate poorly ventilated areas as soon as possible. Do not return until odors have dissipated.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Hypochlorous Acid, Sodium Salt	5.25	7681-52-9
Water	94.75	7732-18-5

4. FIRST AID MEASURES

EYES: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a Poison Control Center or doctor for treatment advice.

SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice.

INGESTION: Call a Poison Control Center or doctor immediately for treatment advice. Have person drink large amounts of water. Do not induce vomiting unless told to do so by the Poison Control Center or a doctor. Do not give anything by mouth to an unconscious person.

INHALATION: Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. If victim is not breathing, administer CPR. Seek immediate medical attention. **NOTES TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage

ADDITIONAL INFORMATION:

Have the product container or label with you when calling a Poison Control Center or doctor, or going for treatment. For emergency information on product, **Call your poison control center at 1-800-222-1222.**

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: This material is noncombustible.

EXTINGUISHING MEDIA: Use any means suitable for extinguishing the surrounding fire.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may release toxic gases such as chlorine and hydrogen chloride gas.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb liquid with appropriate absorbent and place in sealed container for disposal.

LARGE SPILL: Stop leak at it's source if you are able to do so safely. Dike area to contain spill. Take precautions as necessary to prevent material from entering sewers or storm drains or contamination of ground and surface waters. Wear appropriate personal protective equipment as outlined in Section 8 during clean-up operations. Extreme caution should be exercised during clean-up operations as surfaces where material has been spilled are likely to become very slippery. Collect spilled material into containers using pumps or other means if it is possible to do so safely. Recover spilled material using chemically neutral absorbent such as ground clay or vermiculite, and collect into closed containers for disposal. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: High pH of this material is harmful to aquatic life.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep out of direct sunlight. Store in an area that is cool, dry, well-ventilated area, and away from combustible material. Avoid exposure to elevated temperatures, extreme heat, and moisture.

HANDLING: CORROSIVE Contents may develop pressure upon prolonged storage. Loosen closure cautiously before opening.

STORAGE:

Pesticide Storage: Store this product in a cool dry area, away from sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water.

Pesticide Disposal: Product or Rinsate that cannot be used must be diluted with water before disposal in a sanitary sewer.

Container Handling: Refillable container. Refill this container with sodium hypochlorite only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. When empty, return to point of sale.

(For Institutional uses only, non-Refillable container, 5 gallons or less) Non-refillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows. Fill container ¼ full with water and RECAP CONTAINER. Shake container for 10 seconds. Follow Pesticide Disposal instructions for rinsate disposal. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910. 1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Hypochlorous Acid, Sodium Salt	TWA	ppm [1]	mg/m ³ [1]	ppm	mg/m ³
	STEL	ppm	mg/m ³	ppm	mg/m ³

Footnotes:
1. * NL = Not Listed

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

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use appropriate ANSI-approved protective eye and face devices. (Currently, OSHA has incorporated ANSI Z87.1 1989 by reference into the federal regulations. The ANSI committee of industry experts has also approved a newer ANSI standard on the Practice for Occupational and Educational Personal Eye and Face Protective Devices, identified as Z87.1 2003, or Z87+).

SKIN: Where splashing is possible, full chemically resistant protective clothing; gloves, boots and aprons or coveralls are required.

RESPIRATORY: Not required under normal handling and usage. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.

WORK HYGIENIC PRACTICES: No food, drink, or smoking should be permitted in areas where this material is in use.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Chlorine

APPEARANCE: Clear to slightly hazy.

COLOR: Colorless to pale yellow green

pH: ~ 12 10% mixture with D.I. water

VAPOR PRESSURE: 1.6 kPa (@20° C)

SPECIFIC GRAVITY: 1.07 to 1.09

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Product is stable under normal conditions. Heat and contamination could cause decomposition.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid heat, especially heating to dryness, which increases the probability and the hazard of oxidizing reactions.

HAZARDOUS DECOMPOSITION PRODUCTS: Chlorine

INCOMPATIBLE MATERIALS: Reducing agents, wood, paper and other combustibles, organic materials, metals, and acids.

11. TOXICOLOGICAL INFORMATION**ACUTE**

SKIN ABSORPTION: Slightly hazardous in case of skin contact (sensitizer)

EYE EFFECTS: Corrosive to eyes.

SKIN EFFECTS: Corrosive to skin.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Do not dump into any sewers, on the ground or into any body of water.

All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characteristics and compliance with applicable laws are the responsibility solely of the waster generator.

Notes: Material is toxic to fish and aquatic organisms.

13. DISPOSAL CONSIDERATIONS**DISPOSAL METHOD:**

Pesticide Storage: Store this product in a cool dry area, away from direct sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water

Pesticide Disposal: Product or Rinsate that cannot be used must be diluted with water before disposal in a sanitary sewer.

Container Handling: Refillable container. Refill this container with sodium hypochlorite only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. When empty, return to point of sale.

(For Institutional uses only, non-Refillable container, 5 gallons or less) Non refillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Fill container 1/4 full with water and recap container. Shake container for 10 seconds. Follow Pesticide Disposal instructions for rinsate disposal.

Do not contaminate food or feed by storage, disposal or cleaning of equipment.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: Hypochlorite solutions

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN1791

PACKING GROUP: III

NAERG: 154

15. REGULATORY INFORMATION**UNITED STATES****DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**

Corrosive

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Hypochlorous Acid, Sodium Salt	7681-52-9
Water	7732-18-5

16. OTHER INFORMATION

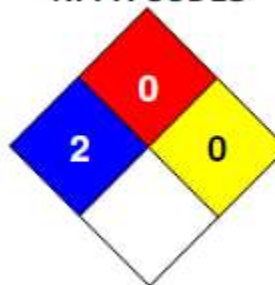
REASON FOR ISSUE: Update and re-format

PREPARED BY: PVS-Nolwood Chemicals, Inc

REVISION SUMMARY: This MSDS replaces the 11/19/2012 MSDS.

HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	D

NFPA CODES

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