

Product Name: Lin Clor

Revision Date: 8/22/2016

NORCHEM CORPORATION encourages and expects you to read and understand the entire SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

SECTION I- PRODUCT AND COMPANY IDENTIFICATION

Product Name: Lin Clor

Recommended use of the chemical: Laundry Chlorine Bleach

We recommend that you use this product in a manner consistent with the listed use. If your intended use is not consistent with the stated use, please contact your sales or technical service representative.

Company Identification: Norchem Corporation
5649 Alhambra Avenue
Los Angeles, CA 90032
United States of America

Customer Information Number: Phone: (323) 221-0221
Fax: (323) 227-8733

Chemtrec Emergency Phone Number (24 Hour): (800) 424-9300 USA

SECTION II- HAZARDS IDENTIFICATION

GHS Classification:

Skin Corrosive: Category 1A
Eye Damage: Category 1
Acute Toxicity: Category 4
Aquatic Toxicity: Category 3

GHS Label Elements: Hazard pictograms/symbols

Signal Word: Warning



Hazard Statement:

H302: Harmful if swallowed
H319: Causes serious eye irritation
H335: May cause respiratory irritation

Precautionary Statements:

Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapors/spray
P280: Wear protective gloves/protective clothing/eye protection/face protection
P264: Wash hands thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P271: Use only outdoors or in well-ventilated area

Response:

P305+P351+P338 IF IN EYES: Rinse cautiously with after for several minutes ..
Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P312+P330 IF SWALLOWED: Call a POISON CENTER OR doctor/physician if you feel unwell. Rinse mouth
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P302+P352 IF ON SKIN: Wash with plenty of water and soap
P313: Get medical advice/attention.

Storage:

P403+ P233-Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

Disposal:

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION III– INFORMATION OF INGREDIENTS

Components	CAS #	OSHA PEL	ACGIH TLV
Sodium Dichlorosio Cyanurate, Dihydrate	51580-86-0	N/E	N/E
Sodium Chloride	7647-14-5	N/E	N/E

SECTION IV– FIRST AID AND MEASURES

- Eye Contact:** Immediately rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do. Call a poison control center or doctor for treatment advice.
- Skin Contact:** In case of contact with skin, immediately remove contaminated clothing. Wash the affected skin with soap or mild detergent and large quantities of running water until no evidence of chemical remains. Consult a physician in case of persistent pain or redness.
- Inhalation:** Remove the subject from exposure immediately and perform artificial respiration if directed to do so by medical personnel. If breathing is difficult, give oxygen. Call a poison control center or doctor for further treatment advice.
- Swallowing:** If subject is conscious, drink copious amounts of water and provide fresh air. Do NOT induce vomiting unless directed to do so by medical personnel.

SECTION V– FIRE FIGHTING MEASURES

Fire and Explosive Preventive Measures: Non-explosive

Extinguishing Media: Use extinguishing measure that are appropriate to local circumstances and the surrounding environment. Suitable extinguishing media is water spray. Do not use dry chemical extinguisher containing ammonia compounds.

Special Fire Fighting Procedures: Evacuate all non-essential personnel from fire area. Intervention only capable personnel who are trained and aware of the hazards of the product. Move unaffected product to a safe area if safe to do so. Do NOT enter air-space without appropriate protective clothing. Use copious amounts of water to extinguish fire.

Unusual Explosion and Fire Hazards: When Heated to decomposition, may release poisonous and corrosive fumes of nitrogen trichloride, chlorine and CO.

SECTION VI– ACCIDENTAL RELEASE MEASURES

Precautions: Avoid materials and products which are incompatible with the product (see section 10). Avoid direct contact of the product with moisture, except for emergencies and clean up. Avoid dust formation. Avoid breathing vapors, mist or gas. Avoid contact with skin and eyes. An approved dust mask should be worn if dust is generated during handling.

Cleanup Methods

Small Spills: Collect the product with suitable means, shovel or sweep, avoiding dust formation. Place in container for disposal. All receiving equipment should be clean, dry, vented, labeled and made of materials that is compatible with the product.

Large Spills: Do not release into sewers or waterways. Clean spill area with large quantities of water. Follow applicable OSHA regulations (29 CFR 1910.120).

SECTION VII– HANDLING AND STORAGE

- Handling:** Do not take internally. Avoid contact with skin, eyes, and clothing. Upon contact with skin or eyes, wash off with water. When using, do not eat, drink, or smoke. Wear protective equipment, see section 8.
- Storage:** Store in a dry, cool, well-ventilated area, away from incompatible materials. (see “materials to avoid.”) Do not store at temperatures above 60°C/140°F. Product has an indefinite shelf-life limitation.
- Non-bulk Containers:** Store containers in a cool, dry location away from direct sunlight, sources of intense heat or where freezing is possible. Store containers away from incompatible products. Empty containers should be handled with care. Never store food, feed or drinking water in containers which held chemical.
- Bulk Containers:** All tanks and pipelines which contain this material must be labeled. Perform routine maintenance on tanks or pipelines which contain this products. Report all leaks immediately to the proper personnel.
- Tank Car Shipments:** Tank cars carrying this product should be loaded and unloaded in strict accordance with tank-car manufacturer’s recommendation and all established on-site safety procedures. Appropriate personal protective equipment must be used. All loading and unloading equipment must be inspected, prior to each use. Tank car or storage tanks must be verified to be correct for receiving product and be properly prepared prior to starting the transfer operations

SECTION VIII– EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Ventilation:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to Conditions. Use local exhaust ventilation to minimize dust and chlorine levels where industrial use occurs. Otherwise, ensure good general ventilation.
- Eye/Face Protection:** Wear protective safety glasses or chemical safety goggles with side shields per OSHA regulations (29 CFR 1910.133). Contact lenses are not protective devices.
- Hand Protection:** Wear Neoprene gloves (0.67mm)
- Respiratory Protection:** When dusty conditions are encountered, wear a NIOSH/OSHA full-face respirator with chlorine cartridges for protection against chlorine gas and dust/mist pre-filter.
- General Hygiene Protection:** Handle in accordance with good industrial hygiene and safety practices. When using do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product
- Skin and Body Protection:** Impervious body covering clothes, boots and neoprene apron.

SECTION IX– PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White granules	Upper Flammable Limit in Air: N/A
Color: White	Vapor Pressure: N/A
Odor: Mild chlorine-like	Vapor Density: N/A
pH: 6-6.5	Pounds/Gallon: Pounds
Melting Point: N/A	Specific Gravity: N/A
Boiling Range: N/A	Flash Point: N/A
Partition Range: N/A	Auto Ignition Temperature: N/A
Flammability Classification: N/A	Decomposition Temperature: N/A
Lower Flammable Limit in Air: N/A	Water Solubility: 24-25g/100g
Partition Coefficient: N/A	

SECTION X– STABILITY AND REACTIVITY

Stability: Stable under normal conditions	Conditions to Avoid: Heating above decomposition temperature. Do not package in paper or cardboard.
Materials to Avoid: Organic materials, reducing agents, nitrogen containing materials, other oxidizers, acids, bases, oils, grease, dry fire extinguishers containing monoammonium compounds.	Hazardous Decomposition Products: Nitrogen trichloride, chlorine, carbon monoxide
Hazardous Polymerization: Will not occur	

SECTION XI– TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

- Inhalation:** Irritating to the nose, mouth, throat and lungs.
- Skin Contact:** Dermal exposure can cause severe irritation and/or burns characterized by redness, swelling and scab formation.
- Eye Contact:** Severe irritation and/or burns can occur following eye exposure. Contact may cause impairment of vision or corneal damage.
- Ingestion:** Irritation and/or burns can occur to the entire gastrointestinal tract, including the stomach and intestines, characterized by nausea, vomiting, diarrhea, abdominal pain, bleeding and/or tissue ulceration.

Skin Corrosion/Irritation:	Severe irritant
Serious Eye Damage/Eye Irritation:	Severe irritant
Sensitization:	Not a sensitizer
Carcinogenicity:	Not Classified by IARC, OSHA, EPA. Not included in NTP 13th Report on Carcinogens.
Teratogenicity:	Not Classified

Reproductive Toxicity:	Sodium dichloroisocyanuric acid when given orally to pregnant mice from day 6 to day 15 of gestation, did not induce any significant teratogen effects.
Mutagenicity:	Not mutagenic in five Salmonella strains with or without metabolic activation.
Aspiration:	May cause irritation if swallowed and enters airways.

Specific Target Organ Systemic Toxicity (Single Exposure): Not data available

Specific Target Organ Systemic Toxicity (Repeated Exposure): Chronic inhalation exposure may cause impairment of lung function and permeant lung damage,. In the 28 days extended to 59 day study drinking water study (rat): NOAEL+115 mg/kg bw/day

Mammalian Toxicity Information:

LD50 (Oral):	1671 mg/kg (rat)
LD 50 (Dermal):	>5000 mg/kg
Eye Irritation (Rabbit):	Severe Irritant
Dermal Irritation (Rabbit):	Severe Irritant
Dermal Sensitization:	Not a sensitizer

SECTION XII- ECOLOGICAL INFORMATION

Aquatic Toxicity:

LC50 (Rainbow Trout 96 hr.):	0.22 mg/l
LC50 (Bluegill Sunfish 96 hr.):	0.28 mg/l
LC50 (Daphnia magna 48 hr.):	0.2 mg/l

Avian Toxicity:

LD50 (Oral):	730 mg/kg (Bobwhite Quail)
LD50 (Oral):	330 mg/kg (Mallard Duck)
LC50 (Dietary):	>10,000 ppm (Mallard Duck)
LC50 (Dietary):	>10,000 ppm (Bobwhite Quail)

Bioaccumulation: Not expected to bioaccumulate

Biodegradation: Not readily biodegradable. Rapidly hydrolyses in water into Cyanuric acid

Abiotic Degradation: Not available

Mobility in soil, water: The degradation product, Cyanuric acid, is weakly absorbed to and highly mobile in all soils.

SECTION XIII– DISPOSAL CONSIDERATIONS

Disposal Instructions: Dispose of contents/container in accordance with local/region/national/international regulations

Hazardous waste code: Not established

Waste from residues/unused products: Empty container or liners may retain some product residues. This material and it's container must be disposed of in a safe manner.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION XIV– TRANSPORT INFORMATION

DOT/TDG UN STATUS:	Not regulated for road transportation
DRUM/LABEL:	Environmentally hazardous substance, MARINE POLLUTANT
IATA/ICAO:	Sodium Dichloroisocyanurate, dehydrate, UN3077, Class 9, PGIII
IMO/IMDG:	Sodium Dichloroisocyanurate, dehydrate, UN3077, Class 9, PGIII
EMERGENCY RESPONSE GUIDELINE NUMBER:	

SECTION XV– REGULATORY INFORMATION

Emergency overview in accordance to EPA Master Label

Hazards to human and domestic animals	Corrosive
Cause irreversible eye damage	May be fatal in inhaled
Harmful if swallowed or absorbed through skin	Strong oxidizing agent
This pesticide is toxic to fish and aquatic organisms	

SARA Title III

Section 302 Extremely Hazardous Substance:	Not Listed
Section 311/312 Hazardous Chemical:	Immediate health hazard and fire and reactivity physical hazard
Section 313 Toxic Release Inventory:	Not Listed
Section 304 Emergency Release Notification:	Not Listed

Other Federal Regulations

California-Prop 65: This product does not contain any ingredient know to the State of California to cause cancer or reproductive toxicity as listed under the State drinking Water and Toxic Enforcement Act of 1986.

Waste Classifications: If this product becomes a waste as defined under 40 CFR 261, it may meet the criteria of a hazardous waste. Please check with all federal, state and local regulations to determine if this product meets the definition of a hazardous waste listed under 40 CFP 261.11.

Workplace Classification: This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 262.11.)

US State Regulations

US Massachusetts RTK-Substance List:	Listed
US New Jersey Worker and Community Right-To-Know Act:	Not Listed
US Pennsylvania Worker and Community Right-To-Know Law:	Listed
US Rhode Island RTK:	Not Listed
US California Proposition 65 (CRT):	Not Listed

International Regulations:

The components of this product are listed on the chemical inventories of the following countries: Australia (AICS), China (IECSC), EU (EINECS), Japan (ENCS or ISHL), New Zealand (NZIoC), Philippines (PICCS), USA (TSCA).

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

SECTION XVI- OTHER INFORMATION**Hazard Rating System NFPA**

Health	Fire	Reactivity
3	0	1

THE INFORMATION ON THIS SAFETY DATA SHEET IS BELIEVED TO BE ACCURATE AND IT IS THE BEST INFORMATION AVAILABLE TO NORCHEM CORPORATION. THIS DOCUMENT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONS FOR HANDLING A CHEMICAL BY A PERSON TRAINED IN CHEMICAL HANDLING. NORCHEM CORPORATION MAKES NO WARRANTY OF MERCHANT ABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED WITH RESPECT TO SUCH INFORMATION OF THE PRODUCT TO WHICH THIS SAFETY DATA SHEET RELATES. USERS AND HANDLERS OF THIS PRODUCT SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION PROVIDED HEREIN FOR THEIR OWN PURPOSES