

SAFETY DATA SHEET



Texas Correctional Industries
Texas Department of Criminal Justice

Date Issued: December 2020

Supersedes: September 2016

SECTION 1 - IDENTIFICATION

Product Name: Dry Laundry Bleach - DLB
General Use: Industrial Laundry Bleaching
Manufacturer Name: Texas Correctional Industries
Roach Soap & Detergent Plant
15845 Fm 164
Childress, TX 79201

Emergency Telephone Numbers

Texas Poison Center Network (TPCN) : 1-800-222-1222
Roach Soap & Detergent Plant : 940-937-6364 EXT. 7390
SDS available at: www.tci.tdcj.texas.gov
Monday thru Thursday: 5:30 AM – 3:30 PM

SECTION 2 - HAZARD IDENTIFICATION



Primary Route of Exposure : Eyes, Skin, Oral, or Inhalation

Signs and Symptoms of Over Exposure (acute)

Eyes : May cause eye irritation
Skin : May cause redness or rash
Ingestion : May cause gastrointestinal irritation
Inhalation : May be an irritant to the respiratory tract

Signs and Symptoms of Over Exposure (chronic) : Eye, skin, and respiratory tract irritation

Medical condition aggravated by over exposure : Not known

Carcinogen or suspect of carcinogen ingredients : Silicone Dioxide listed on NTP

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical/Common Name	CAS No.	PERCENT	ACGIH/OSHA		WHMIS
			TWA	PEL	
Sodium Metasilicate	6834-92-0	6 - 7	3 mg/m ³	3 mg/m ³	1%
Sodium Dichloroisocyanurate	28993-18-9	11 - 12	0.5 ppm	N/D	N/D
Sodium Tripolyphosphate	7758-29-4	~39	5 mg/m ³	N/D	N/D
Sodium Carbonate	497-19-8	42 - 43	N/D	5 mg/m ³	1%

N/A= Not Applicable

N/E= Not Established

N/D = Not Determined

Threshold Limit Values (TLV): TWA (time-weighted average for 8 hr. day); PEL (personal exposure limit)

SECTION 4 - FIRST AID MEASURES

Eyes : Flush with plenty of water until irritation subsides. If irritation persists, get medical attention.
Skin : Flush with large amount of water. Remove contaminated clothing and seek medical attention if irritation persists.
Ingestion : Rinse mouth thoroughly. Drink plenty of water. Do not induce vomiting unless directed by physician.
Inhalation : Move person to fresh air. Give artificial resuscitation (CPR) if person is not breathing.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Limit	: N/A
Physical Hazard	: Oxidizer material
Extinguishing Media	: Water, Foam, Dry Chemicals, or Carbon Dioxide
Fire Extinguishing Procedure	: Use of respiratory equipment is recommended in enclosed areas
Fire and Explosive Hazard	: The presence of a small amount of moisture in the presence of a high concentration of Sodium Dichloroisocyanurate can form an explosive mixture of Nitrogen Trichlorid

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Steps to be taken if released or spilled	: Sweep all materials practical for salvage or disposal. Rinse residue with water.
Waste disposal method	: Any unsalvageable material must be disposed in compliance with local, state, and federal laws and regulations. Do not dump into sewers, on the ground, or into any bodies of water.

SECTION 7 - HANDLING AND STORAGE

Storage

Store in a cool, dry (avoid moisture), ventilated area. Do not store next to flammable or combustible materials; especially avoid storing in the same area with nitrogen or amide-containing chemicals.

Handling

Do not breathe dust. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. Do not store in aluminum containers- flammable hydrogen gas may be generated. Keep container sealed/closed when not in use. Avoid dust formation and accumulation. Observe Building Code and NFPA storage requirements for chlorinated compounds.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection	: None required with normal use
Ventilation Requirement	: Local exhaust. Maintain adequate ventilation
Protective Gloves	: Yes. Rubber or neoprene
Eye Protection	: Chemical goggles or safety glasses

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	: None
Specific Gravity (g/ml)	: N/A
Solubility in Water	: Complete
pH (1% aqueous solution)	: 10.5
Boiling Point	: N/A
Appearance and Odor	: White to off white granular powder

SECTION 10 - STABILITY AND REACTIVITY

Hazardous Decomposition	: Oxides of Carbon, Sulfur and HCl gas
Stability	: Stable
Incompatibility	: With strong acids, reducers, combustibles, nitrogen containing compounds (ammonia, urea, amines, etc, and oxidizing agents

NOTE: The C### notation (below) refers to a principal component based on the amounts present in the product which may involve trade secret chemicals. In the event of an accident, notify the Poison Control Center for more information.

SECTION 11 – TOXICOLOGICAL INFORMATION

C061

LD50 (oral, rat):	6500 mg/kg (8)
LD50 (oral, rat):	3900 mg/kg (9, unconfirmed)
LD50 (oral, mouse):	3210 mg/kg (9,10 unconfirmed)

Skin Irritation (rabbit, guinea pig):	Negligible irritation and no visible tissue damage was observed after a 50% solution was applied to intact and abraded skin.(1)
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Effects Of Long-Term Ingestion:	Kidney damage was observed in rats fed a diet containing 2% or 10% sodium tripolyphosphate for one month, but not in animals fed 0.2%.(10) Kidney damage was also observed in rats fed 3% sodium tripolyphosphate for 6 months and 5% for 2 years. No detectable toxic effects were observed following ingestion of 1.8% in the diet for 6 months and 05% for 2 years.(10)
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Additional toxicological information:	No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.
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Eye irritation:	Severe irritation(rabbit)
Skin irritation:	Non-irritating to the skin
LD50 oral:	2.800 mg/kg (Rm)
LD50 Dermal:	> 2.000 mg/kg (gerbil)
LC50 Inhalation:	800 mg/m3 (guinea pig)
Sensitization:	Patch test on human volunteers did not demonstrate sensitization properties

Chronic Toxicity:	No known effects
Carcinogenicity:	Not recognized as carcinogenic by Research Agencies (IARC,NTP, OSHA, ACGIH)

C009

11.1 Information on toxicological effects

Acute toxicity:	No data available
Dermal: No data available:	No data available
Skin corrosion/irritation:	No data available
Serious eye damage/eye irritation:	No data available
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No data available

Carcinogenicity:

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
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ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
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NTP:	No component of this product present at levels greater than
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or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: No data available

Specific target organ toxicity single exposure: May cause respiratory irritation.

Specific target organ toxicity repeated exposure: No data available

Aspiration hazard: No data available

Additional Information
RTECS: XZ1910000: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12 – ECOLOGICAL INFORMATION

C061

N/A

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Ecotoxicity

sodium carbonate(497-19-8): Table

Active Ingredient(s)	Duration	Species	Value	Units
sodium Carbonate	6h LC50	Bluegill sunfish	300	mg/L
Sodium Carbonate	8h EC50	Ceriodaphnia	200-227	mg/L

Persistence and degradability: N/A
Bioaccumulation: N/A
Mobility: Dissociates into ions.
Other adverse effects: None known

C009

12.1 Toxicity: No data available

12.2 Persistence and degradability: No data available

12.3 Bioaccumulative potential: No data available

12.4 Mobility in soil: No data available

12.5 Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects: Very toxic to aquatic life.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13 – DISPOSAL CONSIDERATIONS

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Review federal, provincial and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by secure landfill may be acceptable.

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Waste Disposal methods:

This material as supplied is not a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated packaging:

Where possible recycling is preferred to disposal or incineration. Clean container with water. Dispose of rinse water in accordance with local and national guidelines.

C009

13.1 Waste treatment methods

Product:

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging:

Dispose of as unused product.

SECTION 14 – TRANSPORT INFORMATION

C061

U.S. DEPARTMENT OF TRANSPORT (DOT)
HAZARDOUS MATERIALS SHIPPING
INFORMATION (49 CFR):

This chemical is not specifically listed in the U.S. hazardous materials shipping regulations (49 CFR, Table 172-101). However it may be regulated as part of a chemical family or group Not Otherwise Specified (N.O.S.) (cg. mercury- based pesticides). Consult the regulation.

NOTE :

This information (Docket No. HM-215A) was taken from the U.S. Federal Register, Vol. 59, no. 249 (December 1994) and is effective October 1, 1996.

U.S. OCCUPATIONAL SAFETY AND
HEALTH ADMINISTRATION (OSHA)
HAZARD COMMUNICATION STANDARD
(29 CFR 1910.1200)

OSHA HAZARD COMMUNICATION

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EVALUATION :

Does not meet criteria for hazardous material, as defined by 29 CFR 1910.1200.

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DOT: not regulated
TDG: not regulated
CAQ/IATA: not regulated
IMDG/IMO: not regulated

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Not dangerous goods-IMDG: UN number: 3077
Class: 9
Packing group: III EMS-No: F-A, S-F

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Troclosene sodium, dihydrate)

Marine pollutant: Marine pollutant

IATA: UN number: 3077
Class: 9
Packing group: III

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.
(Troclosene sodium, dihydrate)

Further information: EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packaging and combination packaging's containing inner packaging with Dangerous Goods > 5L for liquids or > 5kg for solids.

SECTION 15 – REGULATORY INFORMATION

C061

Label Hazard Warnings: CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. MAY BE HARMFUL IF SWALLOWED OR INHALED.

Label Precautions: Keep container closed.
Use with adequate ventilation.
Avoid breathing the dust.
Wash thoroughly after handling.
Avoid contact with, eyes, skin and clothing.

Label First Aid: If inhaled, remove to fresh air. Get medical attention for any breathing difficulty.
In case of contact, immediately flush eyes or skin with plenty of Water for at least 15 minutes. Get medical attention if inflammation develops or persist. If swallowed, give large amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.

C050

U.S. Federal Regulations
SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act. of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

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SARA 311/312 Hazard Categories:

Acute Health Hazard:	yes
Chronic Health Hazard:	no
Fire Hazard:	no
Sudden Release of pressure Hazard:	no
Reactive Hazard:	no

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act. (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act. (SARA) (40 CFR 355). There may specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

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SARA 302 Components:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards:	Reactivity Hazard, Acute Health Hazard
Massachusetts Right To Know Components:	Troclosene sodium, dihydrate CAS-No. 51580-86-0 Revision Date 1993-04-24
Pennsylvania Right To Know Components:	Troclosene sodium, dihydrate CAS-No.51580-86-0 Revision Date 1993-04-24
New Jersey Right To Know Components:	Troclosene sodium, dihydrate CAS-No.51580-86-0 Revision Date 1993-04-24

SECTION 16 – OTHER INFORMATION

Federal Hazardous Substances Act statutes and Consumer Product Safety Commission regulations: 16 CFR 1500.14(b)(3) and 1500.83(a)(13).

*SDS updated by: Timothy Sharpe, TCI Chemist, Childress, TX

Note: Product should be used as directed on the label and no other use is permitted. No warranty is implied expressly or otherwise regarding the accuracy of the information in the product's suitability for the consumer's use and the outcome of its use. The technical accuracy of the information submitted herein is based on the data submitted to TCI by the manufacturers for the materials used in this finished product.