

SAFETY DATA SHEET

Texas Correctional Industries
Texas Department of Criminal Justice

Date Issued: September 2016

Supersedes: May 2015

SECTION 1 - IDENTIFICATION

Product Name: **ECO-Bleach**

General Use: Auto Machine Bleach

Manufacturer Name: Texas Correctional Industries
Roach Soap & Detergent Plant
15845 FM 164
Childress, TX 79201

Emergency Telephone Numbers

Galveston Texas Poison Control: **1-800-764-7661**

Roach Soap & Detergent Plant Lab: 940-937-6364 EXT. 7392

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 : Corrosive to eyes; will cause eye irritation or injury
Skin : Contact may cause irritation; avoid exposure
Ingestion : May cause gastrointestinal irritation; Do not ingest this product
Inhalation : Do not inhale this product

Signs and Symptoms of Over Exposure (chronic) : None known

Medical Condition Aggravated by Over Exposure : Not known

Carcinogen or Suspect of Carcinogen Ingredients : None

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical/Common Name	CAS No.	PERCENT
Sodium Percarbonate	15630-89-4	80
Sodium Carbonate	497-19-8	15
Sodium Sulfate	7757-82-6	5

N/A= Not Applicable

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 : Do not get in your eyes. Flush with plenty of water for 15 minutes, until irritation subsides.
Skin : Immediately brush off any excess and flush skin with large quantities of water; seek medical attention if irritation develops
Ingestion : Rinse mouth thoroughly. Drink plenty of milk, egg whites, or gelatin solution; do not induce vomiting; Contact a physician immediately.
Inhalation : Do not breathe dust. Move exposed individual to fresh air.

SECTION 5 - FIRE FIGHTING MEASURES

ECO-Bleach, Date Issued: September 2016

Flammable Limit : N/D
Physical Hazard : Oxidizer (C055)
Extinguishing Media : Water and foam
Fire Extinguishing Procedure: : Use of respiratory equipment is recommended in enclosed areas
Fire and Explosive Hazard: : May form organic peroxides

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Steps to be taken if released or spilled : Gather all materials practical for salvage or disposal. Rinse residue with water.

SECTION 7 - HANDLING AND STORAGE

Store in a cool dry ventilated area. Keep container sealed/closed when not in use. Avoid dust formation.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection : Use an appropriate respirator approved for corrosive and chlorinated dust if product dust exceeds exposure limits.
Ventilation Requirement : Yes
Protective Gloves : Nitrile; acrylonitrile rubber, acrylonitrilebutadiene rubber, nitrile-butadiene rubber
Eye Protection : Chemical goggles

SECTION 9 - PHYSICAL PROPERTIES

Vapor Pressure : N/D
Specific Gravity (water = 1) : N/D
Solubility in Water : Complete
pH (1% aqueous solution) : N/A
Boiling Point : N/A
Appearance and Odor : White to off white granular powder.

SECTION 10 - PHYSICAL AND CHEMICAL PROPERTIES

Hazardous Decomposition :
Stability : Stable
Incompatibility : Inorganic acids and bases; Ketones

NOTE: The C### notation 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

C055

LD50 (oral, rat): 2200 mg/kg (8)
Chronic Effects on Humans: Not available.
Other Toxic Effects on Humans: Very hazardous in case of skin contact (irritant).
Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (sensitizer).
Special Remarks on Toxicity to Animals: Not available.
Special Remarks on Chronic Effects on Humans: Not available.
Special Remarks on other Toxic Effects on Humans: Material is irritating to mucous membranes and upper respiratory tract.

C050

Eye irritation: Severe irritation(rabbit)
Skin irritation: Non-irritating to the skin
LD50 oral: 2800 mg/kg (Rm)
LD50 Dermal: > 2000 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)

C060

LD50 (oral, rat):

5989 mg/kg

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.

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.

NTP:

No component of this product present at levels greater than 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.

SECTION 12 – ECOLOGICAL INFORMATION

C055

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

C050

12.1 Toxicity

Toxicity to fish LC50 -
LC50 -

Gambusia affinis (Mosquito fish) - 120 mg/l - 96 h

Lepomis macrochirus - 4,380 mg/l - 96 h

Toxicity to daphnia and
other aquatic
invertebrates

EC50 - Daphnia magna (Water flea) - 2,564 mg/l - 48 h

12.2 Persistence and degradability

The methods for determining biodegradability are not applicable to inorganic substances.

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

SECTION 13 – DISPOSAL CONSIDERATIONS

C055

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.

C050

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.

C060

13.1 Waste treatment methods
Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

SECTION 14 – TRANSPORT INFORMATION

C055

DOT Classification: CLASS 5.1:

Oxidizing material.

Identification: :

Oxidizing Solid, n.o.s. (Sodium Percarbonate) : UN1479 PG: III

C050

DOT:
TDG:
CAQ/IATA:
IMDG/IMO:

not regulated
not regulated
not regulated
not regulated

C060

DOT
IMDG
IATA

(US)Not dangerous goods
Not dangerous goods
Not dangerous goods

SECTION 15 – REGULATORY INFORMATION

C055

OSHA:

Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

DSCL (EEC):

R38- Irritating to skin. R41- Risk of serious damage to eyes.

HMIS (U.S.A.):

Health Hazard: 2
Fire Hazard: 0
Reactivity: 2

Personal Protection: E
Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles

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.

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 be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

C060

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 (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

Sodium sulfate
CAS-No. 7757-82-6
Revision Date 1993-04-24

Pennsylvania Right To Know Components

Sodium sulfate CAS-No. 7757-82-6
Revision Date 1993-04-24

New Jersey Right To Know Components

Sodium sulfate CAS-No. 7757-82-6
Revision Date 1993-04-24

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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.