SECTION 1 - IDENTIFICATION

Product Name: ECO-Bleach
General Use: Auto Machine Bleach
Manufacturer Name: Texas Correctional Industries

Emergency Telephone Numbers
Texas Poison Center Network (TPCN): 1-800-222-1222
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
GHS Hazard Numbers: H333, H272, H401

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical/Common Name</th>
<th>CAS No.</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Percarbonate</td>
<td>15630-89-4</td>
<td>80</td>
</tr>
<tr>
<td>Sodium Carbonate</td>
<td>497-19-8</td>
<td>15</td>
</tr>
<tr>
<td>Sodium Sulfate</td>
<td>7757-82-6</td>
<td>5</td>
</tr>
</tbody>
</table>

N/A = Not Applicable   N/D = Not Determined

Threshold Limit Values (TLV): TWA (time-weighed 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

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)
ECO-Bleach, Date Issued: December 2020

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)

LD50 (oral, rat): 5989 mg/kg

SECTION 12 – ECOLOGICAL INFORMATION

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.

12.1 Toxicity
Toxicity to fish LC50 -
LC50 -
Toxicity to daphnia and other aquatic invertebrates

Gambusia affinis (Mosquito fish) - 120 mg/l - 96 h
Lepomis macrochirus - 4,380 mg/l - 96 h

12.2 Persistence and degradability

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

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

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

C060

DOT (US) Not dangerous goods
IMDG Not dangerous goods
IATA Not dangerous goods

SECTION 15 – REGULATORY INFORMATION

C055


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.
ECO-Bleach, Date Issued: December 2020

C050

Splash goggles

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 domain 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 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

SECTION 16 – OTHER INFORMATION


*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.