SAFETY DATA SHEET

Texas Correctional Industries
Texas Department of Criminal Justice

Date Issued: September 2016

Supersedes: May 2015

SECTION 1 - IDENTIFICATION

Product Name: **Double-D**
General Use: Industrial Liquid Disinfecting Floor Cleaner
Manufacturer Name: Texas Correctional Industries
Roach Soap & Detergent Plant
15845 FM 164
Childress, TX 79201

EPA Reg. Number: 103243-155-70495
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 – HAZARDS IDENTIFICATION

Emergency Overview

Color: Clear, colorless to straw colored liquid.
Odor: Lemon Lime organic

Hazards of Product:

CAUTION! Corrosive to the eyes, skin, gastrointestinal tract, and respiratory system.

KEEP OUT OF REACH OF CHILDREN!

Potential Health Effects and Primary Routes of Exposure

EYE CONTACT: Causes burns and may result in permanent injury to eyes including blindness.
SKIN CONTACT: Causes corrosive burns. Brief exposures may cause irritation and defatting of the skin. Exposures not promptly washed off may lead to toxic effects similar to ingestion. Harmful if absorbed through the skin.
INGESTION: Although this material is not considered toxic, ingestion of large quantities may cause nausea, vomiting and diarrhea.
INHALATION: Mists and vapors can irritate the throat and respiratory tract. High vapor include headaches, dizziness, and drowsiness. Harmful if inhaled.
CHRONIC EFFECTS: Ingestion of ethanol by pregnant women can cause reproductive toxicity to the fetus.
PRIMARY ROUTES OF EXPOSURE: Skin, eyes, ingestion, and inhalation.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS #	% Concentration
Alkyl dimethyl benzyl ammonium chloride (C_{12-16})	68424-85-1	2.0 – 4.0

Didecyl dimethyl ammonium chloride	7173-51-5	3.0 – 6.0
Ethanol	64-17-5	0.5 – 1.5

SECTION 4 – FIRST-AID MEASURES

EYE CONTACT:	Immediately flush eyes with plenty of cool water for at least 15 minutes while holding eyelids open. Remove contact lenses, if present Seek medical attention immediately.
SKIN CONTACT:	Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Seek medical attention and advice.
INGESTION:	Call poison control center or a medical doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless instructed by medical doctor. Do not give anything by mouth to an unconscious person.
INHALATION:	If symptoms are experienced, remove to fresh air. If person stops breathing, call 911, give artificial respiration if necessary. Seek medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point:	Not established
Extinguishing Media:	Use water fog, carbon dioxide, dry chemical, or foam.
Special Fire Fighting Procedures:	As in any fire, Firefighters should wear self contained breathing apparatus in the positive pressure mode with a full face piece (MSHA/NIOSH approved) when there is a possibility of exposure to smoke, fumes, or hazardous decomposition products.
Unusual Fire or Explosion Hazards:	Combustion products are toxic.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill & Leak Procedures

Emergency Action:	Isolate the spill or leak immediately. Keep unauthorized personnel away. Position yourself and remain upwind of the spill. Keep out of low areas where vapors may accumulate. Eliminate all ignition sources (smoking, flares, sparks, and flames).
Spill Cleanup:	Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop the leak if you can without unnecessary risk. Prevent entry into public waterways, sewers, basements, or confined areas. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to appropriate waste containers.
Large Spills:	Dike far ahead of liquid spills for later disposal; pump liquid into waste containers for disposal.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures:	Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work with soap and water.
Storage Procedures:	Keep the container tightly closed and in a cool, well-ventilated place. Keep from freezing. Do not handle or store near an open flame, heat, or other sources of ignition. Prevent electrostatic charge buildup by using commonly approved bonding and grounding techniques.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Personal Protection

EYE PROTECTIN:	Use safety glasses with side shields or chemical goggles and face shield if splashing is possible.
SKIN PROTECTION:	Nitrile/butadiene rubber ("Nitrile" or "NBR"), synthetic or natural rubber gloves when exposure to hands is possible
RESPIRATORY PROTECTION:	If exposure exceeds TLV or PEL limits, use an approved NIOSH/MSNA respirator while handling or using the product.
ENGINEERING CONTROLS:	General ventilation may eliminate excessive exposure to fumes.
GENERAL:	Eye wash stations and emergency showers are recommended in areas of dispensing and use.

The following ingredients have established exposure guidelines:

INGREDIENT	**EXPOSURE GUIDELINE**	**GUIDELINE VALUE**
Ethanol	ACGIH TLC (2005), OSHA PEL & NIOSH REL	1000 ppm (TWA)
64-17-5	Alberta, British Columbia, Manitoba	
	New Brunswick, Northwest Territories, Canada	1000 ppm (TWA)
	Ontario; Quebec, Canada	1000 ppm (TWAEV)
	Saskatchewan, Canada	1000 ppm, 1250 ppm (STEL)
	Yukon, Canada	1000 ppm, 1000 ppm (STEL)
	Mexico	1000 ppm (TWA)

All TWA's are for an 8-hour period and all STEL's are for 15 minute exposures unless noted otherwise.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
APPEARANCE:	Clear, colorless to straw-color liquid
ODOR:	Lemon Lime organic
PH:	6 - 8
VISCOSITY:	2.827 cSt at 22° C
SPECIFIC GRAVITY:	1.000 g/ml
SOLUBILITY IN WATER:	Completely; any concentration
FLASH POINT:	Not established
AUTOIGNITION TEMP.	Not established
VOC CONTENT:	approximately 1%
VAPOR DENSITY:	estimated to be heavier than air

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Normally stable.
HAZARDOUS POLYMERIZATION:	Will not occur
INCOMPATIBLE MATERIALS:	Strong acids, bases, and oxidizing agents (may result in fire), reducing agents.
CONDITIONS TO AVOID:	Keep away from heat and strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon; carbon monoxide, carbon dioxide, hydrogen chloride vapors

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

C501

Acute Toxicity:

Product Information:	Causes skin, eye and respiratory tract irritation.
Chronic Toxicity:	No known effect based on information supplied

C132

Long-term toxicological studies have not been conducted for this product.

C133

Carcinogenicity:	No Carcinogenicity data available for this product.
Acute Oral LD50:	312 mg/kg
Acute Dermal:	<2000 mg/kg
Primary Skin:	Corrosive.
Primary Eye:	Corrosive.

SECTION 12 – ECOLOGICAL INFORMATION

C501

Ecotoxicity:	The environmental impact of this product has not been fully investigated.

C132

Persistence / Degradability:	At least 98% of the product components are readily biodegradable.

C133

Ecotoxicity:	Very Toxic to aquatic organisms.
Environmental Fate:	This product is biodegradable.

SECTION 13 – DISPOSAL CONSIDERATIONS

C501

Waste Disposal Method:	Dispose of material in accordance with all federal, state, and local regulations.
Contaminated Packaging:	Dispose of in accordance with all federal, state and local regulations.

C132

Waste Classification:	This product is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33). Empty containers may be recycled.

C133

Disposal instructions:	This substance, when discarded or disposed of, is a characteristic hazardous waste according to Federal regulation (40 CFR 261) and is assigned the EPA Hazardous Waste Number of D001. The discarding or disposal of this material must be done at a properly permitted facility in accordance with the regulations of 40 CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate or otherwise inappropriate. The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with all applicable Federal, state, and local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

C501

ICAO/IATA:	Not Regulated
IMO/IMDG:	Not Regulated
US DOT:	Not Regulated

C132

C133

DOT Hazard Class:	8 Corrosive
DOT Proper Shipping Name:	Disinfectant Liquid Corrosive (Quaternary Ammonium Compound), 8,UN1903, PG 11

SECTION 15 - REGULATORY INFORMATION

C501

SARA 313 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA):	This product contains a chemical or 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

Clean Water Act: This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

C132

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA): This product contains a chemical or 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

Clean Water Act: This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

C133

TSCA Status: While all ingredients are listed on the TSCA Chemical Inventory, this product is regulated as a pesticide under the Federal insecticide, Fungicide and Rodenticide Act (FIFRA) and not subject to the TSCA inventory.

CERC L/SA RA
SARA Title III, Sections 311/312: This act requires reporting under the Community Right-to-Know provisions due

	to the inclusion of the following components of this material in one or more of the five hazard categories listed in the 40 CFR 370: Classification of this product: immediate, Fire
SARA Title 313:	This act requires submission of annual reports of releases of the following components of this material if the threshold reporting quantities, as listed in 40 CFR 372, are met or exceeded:
CHEMICAL NAME CAS N0.	
MAXIMUM CONCENTRATION COMMENT:	No ingredients listed in this section

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 Texas

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.