

SAFETY DATA SHEET



Texas Correctional Industries
Texas Department of Criminal Justice

Date Issued: September 2016

Supersedes: May 2015

SECTION 1 - IDENTIFICATION

Product Name: **Hi-Lite Plus**
General Use: Liquid Detergent Cleaner & Floor Detergent
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, mouth (oral)
Signs and Symptoms of Over Exposure (acute)
 Eyes : May cause eye irritation
 Skin : May cause redness or rash
 Ingestion : May cause gastrointestinal irritation
 Inhalation : N/A
Signs and Symptoms of Over Exposure (chronic) : Eye and/or skin irritation
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	ACGIH/OSHA (TWA)		WHMIS
			TLV	PEL	
Ethylene Glycol Monobutyl Ether	111-76-2	4 - 6	1.0 ppm	1.0 ppm	1%
Nonylphenol Ethoxylate	9016-45-9	4 - 6	1.0 ppm	1.0 ppm	N/D
Sodium Hydroxide	1310-73-2	4 - 6	2 mg/m ³	2 mg/m	1%
Ethylene Oxide	75-21-8	<0.4 ppm	1 ppm	1 ppm	N/D

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

SECTION 4 - FIRST AID MEASURES

Eyes : Flush the eye with water for at least 15 min. If irritation persists, get medical attention.
Skin : Flush with copious amounts 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

Auto-Ignition Temp	: Not established
Physical Hazard	: None
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	: Not established; liquid and vapor could be combustible

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Action	: Isolate the spill or leak immediately. Keep unauthorized personnel away from the spill. Position yourself and remain upwind of the spill. Keep out of areas where vapors may accumulate. Use forced ventilation if necessary.
Spill Cleanup	: Ventilate closed spaces before entering a spill area. All equipment used when handling the remediation of spilled product must be grounded per NEC code. CAUTION - Floor will be slippery. Do not touch or walk through spilled material. Eliminate the leak if you can without unnecessary risk. Absorb or cover spill with dry earth, sand, or other non-combustible material and transfer to appropriate waste containers. Rinse residue with water.
Large Spills	: Dike far ahead of liquid spills for later disposal; pump liquid into appropriate waste container for disposals.
Waste Disposal Method	: Any unsalvageable material must be disposed in compliance with Federal, state, and local regulations. Do not dump into sewers, on the ground, or into any bodies of water.

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 per NEC code.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection	: This is not required with normal use.
Ventilation Requirement	: Local exhaust or air movement. Maintain adequate ventilation.
Protective Gloves	: Yes; Nitrile, rubber, or neoprene.
Eye Protection	: Chemical goggles and face shield if splashing will occur.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	: N/D
Specific Gravity (water = 1)	: 1.020
Solubility in Water	: Complete
pH	: 12.5 – 13.5
Boiling Point	: N/D
Appearance and Odor	: Clear light blue-green liquid, mild odor

SECTION 10 - STABILITY AND REACTIVITY

Hazardous Decomposition : Oxides of Carbon
Stability : Stable
Incompatibility : Do not mix with strong oxidizers or chlorinated or bleach products

NOTE: The C### notation below refers to a principal component based on the amount 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

C069

ACUTE HAZARDS

EYE & SKIN CONTACT:

Primary irritation to skin: Defatting, dermatitis.

Primary irritation to eyes: Redness, tearing, blurred vision.

Liquid can cause eye irritation.

Wash thoroughly after handling.

INHALATION: Vapor harmful.

Swallowing: Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

SUBCHRONIC HAZARDS/

CONDITIONS AGGRAVATED: None

CHRONIC HAZARDS

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 6.1%.

IRRITANCY OF PRODUCT: This product is irritating to contaminated tissue.

SENSITIZATION TO THE PRODUCT: No component of this product is known to be a sensitizer.

MUTAGENICITY: Not reported (in humans).

EMBRYOTOXICITY: Not reported (in humans).

TERATOGENICITY: Not reported (in humans).

REPRODUCTIVE TOXICITY: Not reported (in humans).

MAMMALIAN TOXICITY: No mammalian information is available on this product.

C054

ANIMAL TOXICOLOGY

EYES:

Major potential hazard: Liquid in the eye can cause severe destruction and blindness. These effects can occur rapidly effecting all pans of the eye. Mist or dust can

cause Irritation with high concentrations
causing destructive burns.

SKIN:

Major potential hazard: Contact with the skin can cause severe burns with deep ulcerations. Contact with solution or mist can cause multiple burns with temporary loss of hair at burn site. Solutions of 4% may not cause irritation and burning for several hours, while 25% to 50% solutions can cause these effects in less than 3 minutes.

ACUTE ORAL EFFECTS:

LDLO (Oral, Rabbit): 500 mg/kg

Ingestion of sodium hydroxide can cause severe burning and pain in lips, mouth, tongue, throat and stomach. Severe scarring of the throat can occur after swallowing. Death can result from ingestion.

ACUTE INHALATION EFFECTS:

Inhalation of solution mist can cause mild irritation at 2 mg/m³. More severe burns and tissue damage at the upper respiratory tract can occur at higher concentrations. Pneumonitis can result from severe exposures.

EFFECTS FOLLOWING PROLONGED

OR REPEATED EXPOSURE: No known chronic effects.

CARCINOGENICITY: This product (or any component at a concentration of 0.1% or greater) is not listed by NTP, IARC, OSHA EPA, or any other authority as a carcinogen.

MUTAGENICITY: No available data.

REPRODUCTIVE/

DEVELOPMENTAL TOXICITY: No available data.

C096

Acute oral toxicity: no data available

Acute inhalation toxicity: no data available

Acute inhalation toxicity - Components

Ethylene glycol 1 LC50: 450 ppm Exposure time: 4h Species: rat I

monobutyl ether Symptoms: ataxia

Acute dermal toxicity - : no data available

Acute toxicity other: no data available

Acute toxicity: no data available
(other routes of administration)

SECTION 12 – ECOLOGICAL INFORMATION

C069

EFFECT OF MATERIAL ON

PLANTS AND ANIMALS: Not available

EFFECT OF MATERIAL

ON AQUATIC LIFE: No aquatic information is available.

MOBILITY IN SOIL: Has not been determined.

BIODEGRADABILITY: This product is completely biodegradable.

ACCUMULATION: Has not been determined.

C054

ENVIRONMENTAL FATE:

Water: Will dissolve readily in water, raising pH.

Acute TLm (48 Hours) for Bluegill: 99 m/l

Acute TLm (96 Hours) for Mosquite Fish: 125 ppm

C096

Biodegradability - Product : No data available

Bioaccumulation - Product : No data available

Ecotoxicity effects

Toxicity to fish - Product : No data available

Ethylene glycol monobutyl : LC50: 220 mg/L

Toxicity to daphnia and : No data available
other aquatic invertebrates

Ethylene glycol monobutyl : EC50: 1,815 mg/l
ether Exposure time: 24 h

Toxicity to algae - Components

Ethylene glycol monobutyl : EC50: 911 mg/l

ether Exposure time: 72 h

Species: Pseudokirchneriella
subcapitata (green algae)

Analytical monitoring: yes

SECTION 13 – DISPOSAL CONSIDERATIONS

C069

Dispose in accordance with all applicable regulations. All wastes must be handled in accordance with local, state and federal regulations.

C054

Processing, use or contamination of this product may change the waste management options. All disposals of this material must be done in accordance with Federal, state and

local regulations. Waste characterization and compliance with disposal regulations are the responsibilities of the waste generator.

SPILL RESIDUES: Recovered solids or liquids may be sent to a licensed re-claimer or disposed of in a permitted waste management facility. Consult federal, state, or local disposal authorities for approved procedures. Do not clump into any sewers, on the ground, or into any body of water.

C096

Dispose in accordance with all applicable regulations. All wastes must be handled in accordance with local, state and federal regulations.

SECTION 14 – TRANSPORT INFORMATION

C069

DOT/TDG SHIP NAME: UN3082, Environmentally hazardous substances, liquid, n.o.s.

(contains: Nonylphenol and Dinonylphenol Ethoxylates), 9, PG-III

(FOR AIR/SHIP BULK SHIPMENTS, ADD 'MARINE POLLUTANT' TO SHIPPING NAME.)

DRUM LABEL: (CLASS 9)

IATA / ICAO: UN3082, Environmentally hazardous substances, liquid (contains: Nonylphenol and Dinonylphenol Ethoxylates) PG-III

IMO / IMDG: UN3982, Environmentally hazardous substances, liquid (contains: Nonylphenol and Dinonylphenol Ethoxylates) PG-III

EMERGENCY RESPONSE
GUIDEBOOK NUMBER: 171

C054

THIS MATERIAL IS A HAZARDOUS AS DEFINED BY 49 CFR 172.01 BY THE U.S DEPARTMENT OF TRANSPORTATION:
DOT IDENTIFICATION NO.: UN 1824
DOT SHIPPING DESCRIPTION (49 CFR 172.101):
Sodium Hydroxide Solution. B. UN 1824,
PG II, RQ

PACKAGING GROUP: II

PLACARD REQUIRED: Corrosive, UN 1824, Class 8

LABEL REQUIRED: Corrosive, Class 6.

Label as required by EPA and by OSHA Hazard Communication Standard, and any applicable state and local regulations.

EMERGENCY RESPONSE
GUIDE NUMBER: 154

C096

U.S. DOT - ROAD: Not dangerous goods

U.S. DOT - RAIL: Not dangerous goods

SECTION 15 – REGULATORY INFORMATION

C069

EPA REGULATION:
SARA SECTION 311/312 HAZARDS: None Known

All components of this product are on the TSCA list. This material contains no known products restricted under SARA Title III, Section 313 in amounts greater or equal to 1%.

C054

US FEDERAL REGULATIONS
CERCLA REPORTABLE QUANTITY (RQ) Z:

Ingredient CAS NO. RQ
Sodium Hydroxide 1310-73-2 1000 lbs

TSCA (TOXIC SUBSTANCES CONTROL ACT): All components of this product are listed on the TSCA inventory or are exempt from TSCA Inventory requirements.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III:

SARA SECTION 302 (EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 302.4): Not Applicable.

SARA SECTION 311/312 HAZARD CATEGORIES (40 CFR 370.2):

Fire Hazard: No
Reactivity Hazard: No
Release of Pressure: No
Acute Health Hazard: Yes 5
CHRONIC HEALTH HAZARD: NO

SARA SECTION 313 (40 CFR 372.55): Components identified with an asterisk (*) in

Section 2 are subject to the reporting requirements of Section 313 Of Title III of the 1986 Superfund Amendments and Reauthorization Act (SARA) and 40 CFR Part 372.

OSHA PROCESS SAFETY
(29 CFR 1910.119): Not regulated.

C096

California Prop.65

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

SARA 311/312 Classification: Fire Hazard
Acute Health Hazard
Chronic Health Hazard
Fire Hazard
Chronic Health Hazard

New Jersey RTK Label Information

Ethylene Glycol Monobutyl Ether 111-76-2

Pennsylvania RTK Label Information

Ethylene Glycol Monobutyl Ether 111-76-2

United States TSCA Inventory yes

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.