

SAFETY DATA SHEET



Texas Correctional Industries
Texas Department of Criminal Justice

Date Issued: December 2020

Supersedes: September 2016

SECTION 1 - IDENTIFICATION

Product Name: **Fire Quench**
General Use: Liquid Fire-Quenching Chemical
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 Lab: 940-937-6364 EXT. 7392
 SDS available at: www.tci.tdcj.texas.gov
 Monday thru Thursday: 5:30 AM – 3:30 PM
 H302, H410, H413

GHS Hazard Numbers:

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, 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	
Benzene Sulfonic Acid, Linear Alkyl, Sodium Salt	68411- 30-3	12 - 14	Unknown	Unknown	1%
Sodium Hydroxide	1310- 73-2	4 - 5	Unknown	Unknown	1%
Diethanolamine	111- 42-2	<0.3	2 mg/m ³	None	1%
Ethylene Oxide	75- 2- 8	<0.004	1 ppm	1 ppm	0.1%

N/A= Not Applicable

N/D = Not Determined

SECTION 4 - FIRST AID MEASURES

Eyes : Immediately flush eyes with plenty of 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.
 Move person to fresh air if irritation, headache, drowsiness, or nausea occurs. Seek medical attention if breathing
Inhalation : becomes difficult or if any irritation should persist.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Limit : N/A
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 : None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Steps to be taken if released or spilled : Adequately ventilate the area. Gather all material practical for salvage or disposal.
Avoid the release of large quantities into water outfalls or water treatment facilities.

SECTION 7 - HANDLING AND STORAGE

Store in a cool dry area above 60°F. Protect this product from freezing. Keep out of the reach of children

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection : This is not required with normal use.
Ventilation Requirement : Local exhaust or air movement is good
Protective Gloves : None
Eye Protection : None necessary

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure : N/D
Specific Gravity (water = 1) : 1.06
Solubility in Water : Complete
pH : 6.5 – 8.5
Boiling Point : N/D
Appearance and Odor : Clear viscous light straw color

SECTION 10 - STABILITY AND REACTIVITY

Hazardous Decomposition : Oxides of Carbon, Nitrogen, and Sulfur
Stability : Stable
Incompatibility : None

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

C500

Information on likely routes of exposure:

Product Information:	Product does not present an acute toxicity hazard based on known information.
Inhalation:	None under normal use conditions.
Eye Contact:	Causes serious eye irritation.
Skin Contact:	May cause allergic skin reaction.
Ingestion:	None under normal use conditions.

C062

Mutagenicity not mutagenic in AMES Test.

C012

Information on likely routes of exposure:

	Inhalation Skin contact Eye Contact Ingestion
Product	
Acute oral toxicity :	LD 50Rat > 5,000 mg/kg
Acute inhalation toxicity :	no data available
Acute dermal toxicity :	LD 50 Rat: > 2,000 mg/kg
Skin corrosion/irritation :	Result: Not irritating to skin
Serious eye damage/eye irritation:	Result: Mildly irritating to eyes
Respiratory or skin sensitization :	no data available
Components:	
	COCO DIETHANOLAMIDE:
Acute oral toxicity :	LD 50 Rat: 2,700 mg/kg
Acute dermal toxicity :	LD 50 Rabbit: > 2 g/kg

SECTION 12 – ECOLOGICAL INFORMATION

C500

Information on likely routes of exposure:

Product Information:	Product does not present an acute toxicity hazard based on known information.
Inhalation:	None under normal use conditions.
Eye Contact:	Causes serious eye irritation.
Skin Contact:	May cause allergic skin reaction
Ingestion:	None under normal use conditions.

C062

Product:	Test Results
Sodium Xylene Sulfonate SXS	EC50 Algae: > 230 mg/kg

E050 Daphnia: > 1000 mg/L
L050 Rainbow Trout: > 1000 mg/L

Estimates for product may be based on additional component data not shown.

Ecotoxicity

Readily biodegradable.

C012

Ecotoxicity
Product:

Toxicity to fish : LC 50 (Danio rerio (zebra fish)): > 10 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
Based on a similar product formulation.

Toxicity to daphnia and other aquatic invertebrates:

EC 50 (Water flea (Daphnia magna)): > 10 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
Based on a similar product formulation.

Toxicity to bacteria :

EC 50 (Pseudomonas putida): > 10 mg/l
Exposure time: 24 h
Information given is based on data on the components and the ecotoxicology of similar products.

Components:
COCO DIETHANOLAMIDE:

Toxicity to fish :

LC 50 (Danio rerio (zebra fish)): 3.6 mg/l
Exposure time: 96 h
Test Method: semi-static test

Toxicity to daphnia and other aquatic invertebrates:

EC 50 (Water flea (Daphnia pulex)): 2.15 mg/l
Exposure time: 48 h
Test Method: static test

Toxicity to algae :

EC 50 (Desmodesmus subspicatus (green algae)): 2.2 mg/l
Exposure time: 72 h

Persistence and degradability

Product:

no data available

Components:

COCO DIETHANOLAMIDE:
Biodegradability :

Readily biodegradable

Bioaccumulative potential
Product:

no data available

Components:

no data available

Mobility in soil
Product:

no data available

Components:

no data available

SECTION 13 - DISPOSAL CONSIDERATIONS

C500

Waste Disposal Methods:

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with 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 the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging:

Do not re-use empty containers.

US EPA Waste Number:

U203

C062

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

C012

Waste Disposal Methods Dispose of contents/ container in accordance with local regulation.

SECTION 14 - TRANSPORTATION INFORMATION

C500

DOT:

Not regulated

TDG:

Not regulated

MEX:

Not regulated

C062

Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

C012

U.S. DOT - ROAD:

Not dangerous goods

U.S. DOT - RAIL:

Not dangerous goods

U.S. DOT - INLAND WATERWAYS:

Not dangerous goods

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied.

Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15 - REGULATORY INFORMATION

C500

TSCA: Exempt

Legend:

TSCA: United States Toxic Substances Control Act Section 8(b) Inventory

C062

There is no calculable reportable quantity (RQ) for this product.

CERCLA (Superfund) reportable quantity: None

Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302: Not hazardous

Section 311 hazardous: No chemical substance

C012

COCO DIETHANOLAMIDE

SARA 311/312 Classification:

Chronic Health Hazard:

SARA 313: 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.

Notification status: US. Toxic Substances Control Act (positive listing)

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 J 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.