

SAFETY DATA SHEET

Customer



Date Prepared : 8/28/2014
SDS No : F-302 LS-V002

F-302 LIQUID DESTAINER 10%**1. PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** F-302 LIQUID DESTAINER 10%**GENERAL USE:** Industrial Grade Chlorine Bleach**PRODUCT CODE:** 642**MANUFACTURER**

FiberTech, L.L.C.
500 Dakin Street
Jefferson, LA 70121

Manufacturer's Phone: 800-299-2166**24 HR. EMERGENCY TELEPHONE NUMBERS**

INFOTRAC(For Chemical Emergency):
800-535-5053

COMMENTS: For Commercial or Institutional Use Only**2. HAZARDS IDENTIFICATION****GHS CLASSIFICATIONS****Health:**

Skin Corrosion, Category 1B
Serious Eye Damage, Category 1



Corrosion

SIGNAL WORD: DANGER**HAZARD STATEMENTS**

H314: Causes severe skin burns and eye damage.

EUH 031: Contact with acids liberates toxic gas.

PRECAUTIONARY STATEMENTS**Prevention:**

P102: Keep out of reach of children.

P264: Wash ... thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P284: Wear respiratory protection.

POTENTIAL HEALTH EFFECTS**INGESTION:** Ingestion may result in burns, irritation, nausea and vomiting.**INHALATION:** Inhaling this product may cause irritation, burns, and pulmonary edema.**3. COMPOSITION / INFORMATION ON INGREDIENTS**

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Chemical Name	Wt. %	CAS
Water	73 - 83	7732-18-5
Sodium Hydroxide	0 - 2	1310-73-2
Hypochlorous Acid, Sodium Salt	9 - 18	7681-52-9

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention, if irritation persists.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Get immediate medical attention. Give 1-2 glasses of water, but DO NOT induce vomiting. If vomiting occurs, give fluids again. Do not give anything by mouth to an unconscious or convulsing person.

INHALATION: Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE EFFECTS: Irritation or burns to eyes, skin, mouth and throat. Inhaling this product may cause irritation, burns, and pulmonary edema.

CHRONIC EFFECTS: The effects of long term exposure to this product have not been determined. Safe handling of this product on a long term basis should emphasize the avoidance of all effects from repetitive acute exposure.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water or water spray to cool containers. Dilute copiously.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

FIRE EXPLOSION: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Chlorine, Hydrogen Chloride, and Oxygen.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Clean up as much as possible for proper disposal. Dilute residue with large quantities of water. Observe all precautions during cleanup. Dispose of in accordance with all local, state and federal environmental regulations. Wear appropriate personal protective equipment during cleanup.

LARGE SPILL: Dike ahead of liquid spill for later disposal. Dispose of in accordance with all local, state and federal environmental regulations. Observe all precautions during cleanup. Wear appropriate personal protective equipment during cleanup.

GENERAL PROCEDURES: Observe all precautions during cleanup. Dispose of in accordance with all local, state, and federal environmental regulations.

SPECIAL PROTECTIVE EQUIPMENT: Wear appropriate personal protective equipment as specified in section 8.

COMMENTS: See section 4 for First Aid advice, section 5 for firefighting information, section 7 for information on safe handling, and section 13 for disposal information.

7. HANDLING AND STORAGE

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GENERAL PROCEDURES: Follow all SDS/label precautions even after container is emptied because it may retain product residue.

HANDLING: Store away from heat source. Avoid handling procedures which produce mists. Avoid contact with oxidizing agents, acids, metals, reducing agents, and ammonium containing compounds. Wash thoroughly after handling this product. Do not eat, drink or smoke in work area especially when handling this product.

STORAGE: Keep tightly closed in a dry, cool and well-ventilated place. Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)			
			EXPOSURE LIMITS
			OSHA PEL
Chemical Name			
	ppm	mg/m ³	
Sodium Hydroxide			
	TWA		2

ENGINEERING CONTROLS: Ventilation should be provided to control dust or mist in the work environment.

Ensure compliance with applicable exposure limits. Spills should be minimized or confined immediately to prevent release into the work area. Remove contaminated clothing immediately and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses, full face shield.

SKIN: Wear chemical resistant gloves such as neoprene, latex, nitrile or polyvinylchloride. Thoroughly rinse the outside of gloves with water prior to removal. Inspect gloves regularly for leaks.

RESPIRATORY: NIOSH/MSHA approved respirator should be worn when mists are generated.

PROTECTIVE CLOTHING: Impervious clothing materials such as rubber, neoprene, nitrile or polyvinyl chloride.

WORK HYGIENIC PRACTICES: Wash thoroughly after handling this product. Do not eat, drink or smoke in work area especially when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Boiling Point (°C)	Freezing Point (°C)	Solubility in Water	Specific Gravity
Water	100	0.01	NA	1
Sodium Hydroxide	1390	318	111 grams / 100 mls @20C	2.13
Hypochlorous Acid, Sodium Salt	40		100%	

ODOR: Chlorine odor

ODOR THRESHOLD: NA = Not Applicable

APPEARANCE: Amber liquid

pH: pH (as is) : ~13.3

FLASH POINT AND METHOD: NA = Not Applicable

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FLAMMABLE LIMITS: N.A. to N.A.
AUTOIGNITION TEMPERATURE: NA = Not Applicable
VAPOR PRESSURE: NA = Not Applicable
VAPOR DENSITY: NA = Not Applicable
BOILING POINT: NA = Not Applicable
FREEZING POINT: NA = Not Applicable
MELTING POINT: NA = Not Applicable
SOLUBILITY IN WATER: Complete
EVAPORATION RATE: NA = Not Applicable
DENSITY: NA = Not Applicable
SPECIFIC GRAVITY: ~ 1.46 at (77°F)
VISCOSITY: NA = Not Applicable
COEFF. OIL/WATER: NA = Not Applicable

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.
STABILITY: Stable at normal conditions.
CONDITIONS TO AVOID: Contact with strong oxidizing agents, acids, reducing agents, wood, paper, heavy metals, reactive metals and ammonium containing compounds.
HAZARDOUS DECOMPOSITION PRODUCTS: Chlorine, Hydrogen Chloride, and Oxygen.
INCOMPATIBLE MATERIALS: Oxidizing agents, strong acids, nitrogen containing organic compounds and reactive metals (aluminum, zinc).

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)
Sodium Hydroxide	140 to 340 mg/kg (rat)	1350 mg/kg (rabbit)
Hypochlorous Acid, Sodium Salt	5800 mg/kg (mouse)	

NOTES: Ingestion may result in burns, irritation, nausea, and vomiting. Inhaling this product may cause irritation, burns, and pulmonary edema.

EYE EFFECTS: Corrosive to the eyes and may cause severe damage including blindness.

SKIN EFFECTS: Corrosive, causes skin burning.

CHRONIC: The effects of long term exposure to this product have not been determined. Safe handling of this product on a long term basis should emphasize the avoidance of all effects from repetitive acute exposure.

COMMENTS: Routes of Entry: Inhalation: Yes, **Eyes:** Yes, **Skin Absorption:** No, **Ingestion:** Yes

12. ECOLOGICAL INFORMATION

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F-302 LIQUID DESTAINER 10%**ENVIRONMENTAL DATA:** Not established.**13. DISPOSAL CONSIDERATIONS**

DISPOSAL METHOD: Clean up as much as possible for proper disposal. Observe all precautions during cleanup. Dispose of in accordance with all local, state and federal environmental regulations.

EMPTY CONTAINER: Remove all residue product before disposing of container.

COMMENTS: See Section 8 for exposure controls and personal protection.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: Hypochlorite solutions

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 1791

PACKING GROUP: II

15. REGULATORY INFORMATION**UNITED STATES****CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

Chemical Name	Wt. %	CERCLA RQ
Sodium Hydroxide	0 - 2	1,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Sodium Hydroxide	1310-73-2
Hypochlorous Acid, Sodium Salt	7681-52-9

16. OTHER INFORMATION

REASON FOR ISSUE: Updated per GHS Format

APPROVED BY: Compliance and Safety

PREPARED BY: Compliance and Safety **Date Prepared:** 8/28/2014

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