

SAFETY DATA SHEET

Customer



Date Prepared : 10/27/2014
SDS No : F-104 LD-V002
Date Revised : 4/2/2015
Revision No : 1

F-104 LIQUID DETERGENT**1. PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: F-104 LIQUID DETERGENT
GENERAL USE: Liquid Laundry Detergent
PRODUCT CODE: 627

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:**

Acute Toxicity (Oral), Category 4
 Skin Corrosion, Category 1A
 Serious Eye Damage, Category 1



Corrosion

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H302: Harmful if swallowed.
 H314: Causes severe skin burns and eye damage.

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

INHALATION: Inhaling this product may cause irritation, burns, and pulmonary edema.

3. COMPOSITION / INFORMATION ON INGREDIENTS

SAFETY DATA SHEET

Customer



Date Prepared : 10/27/2014
SDS No : F-104 LD-V002
Date Revised : 4/2/2015
Revision No : 1

F-104 LIQUID DETERGENT

Chemical Name	Wt. %	CAS
Water	50 - 70	7732-18-5
Sodium Polyacrylate	5 - 7	9003-04-7
Alkyl Polyglycoside	6 - 8	68515-73-1
Alkyl Polyglycoside	1 - 3	110615-47-9
Sodium Hydroxide	15 - 18	1310-73-2

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 plenty of 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: Water fog, water spray, carbon dioxide, foam or dry chemical.

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: None known.

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.

SAFETY DATA SHEET

Customer



Date Prepared : 10/27/2014
SDS No : F-104 LD-V002
Date Revised : 4/2/2015
Revision No : 1

F-104 LIQUID DETERGENT

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

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, and reactive metals (aluminum, zinc). 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
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 goggles, 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

SAFETY DATA SHEET

Customer



Date Prepared : 10/27/2014
 SDS No : F-104 LD-V002
 Date Revised : 4/2/2015
 Revision No : 1

F-104 LIQUID DETERGENT

Chemical Name	Boiling Point (°C)	Freezing Point (°C)	Solubility in Water	Specific Gravity
Water	100	0.01	NA	1
Sodium Polyacrylate	100			1.23
Alkyl Polyglycoside	100		Soluble	1.1
Alkyl Polyglycoside	100		Soluble	1.1
Sodium Hydroxide	1390	318	111 grams / 100 mls @20C	2.13

ODOR: Mild odor

APPEARANCE: Amber liquid

pH: pH (1%) : ~ 13.3

FLASH POINT AND METHOD: NA = Not Applicable

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: NA = Not Applicable

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, wood, paper, aluminum and other reactive materials. Contact with aluminum may produce flammable hydrogen gas..

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

INCOMPATIBLE MATERIALS: Oxidizing agents, strong acids, nitrogen containing organic compounds and reactive metals (aluminum, zinc).

11. TOXICOLOGICAL INFORMATION

SAFETY DATA SHEET

Customer



Date Prepared : 10/27/2014
 SDS No : F-104 LD-V002
 Date Revised : 4/2/2015
 Revision No : 1

F-104 LIQUID DETERGENT**ACUTE**

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)
Sodium Polyacrylate	~ 5000 mg/kg (rat)	~ 2000 mg/kg (rabbit)
Alkyl Polyglycoside	> 5000 mg/kg (rat)	
Alkyl Polyglycoside	> 5000 mg/kg (rat)	
Sodium Hydroxide	140 to 340 mg/kg (rat)	1350 mg/kg (rabbit)

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

EYE EFFECTS: Causes serious eye damage.

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

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: Corrosive liquid, basic, inorganic, n.o.s. (Contains Sodium Hydroxide)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN3266

PACKING GROUP: II

15. REGULATORY INFORMATION**UNITED STATES**

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

SAFETY DATA SHEET

Customer



Date Prepared : 10/27/2014
SDS No : F-104 LD-V002
Date Revised : 4/2/2015
Revision No : 1

F-104 LIQUID DETERGENT

Chemical Name	Wt. %	CERCLA RQ
Sodium Hydroxide	15 - 18	1,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Sodium Polyacrylate	9003-04-7
Alkyl Polyglycoside	68515-73-1
Alkyl Polyglycoside	110615-47-9
Sodium Hydroxide	1310-73-2

16. OTHER INFORMATION

REASON FOR ISSUE: Updated per GHS Format

APPROVED BY: Compliance and Safety

PREPARED BY: Compliance and Safety **Date Revised:** 4/2/2015

REVISION SUMMARY: This SDS replaces the 4/2/2015 SDS. Revised: **Section 16:** COMMENTS.

MANUFACTURER DISCLAIMER: The above information is believed to be correct based on the data available to us. However, FiberTech, L.L.C. makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. FiberTech, L.L.C. assumes no responsibility for injury from the use of the product herein.