

SAFETY DATA SHEET



Date Prepared : 5/21/2012

MSDS No : 0994

Date Revised : 3/10/2015

Revision No : 1

LF Plus

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LF Plus**GENERAL USE:** Cleaner**PRODUCT CODE:** 0994**MANUFACTURER**

Detco Industries, Inc.

PO Box 430

Conway, AR 72033

Product Stewardship: (800) 282-2133**24 HR. EMERGENCY TELEPHONE NUMBERS****CHEMTREC (US Transportation) :**(800) 424 - 9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS**Health:**

Skin Corrosion, Category 1

Serious Eye Damage, Category 1

GHS LABEL

Corrosion

SIGNAL WORD: DANGER**HAZARD STATEMENTS**

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

PRECAUTIONARY STATEMENT(S)**Prevention:**

P264: Wash hands thoroughly after handling.

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

Response:

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P363: Wash contaminated clothing before reuse.

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P310: Immediately call a POISON CENTER or doctor/physician.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

P405: Store locked up.

Disposal:

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P501: Dispose of contents/container in accordance with federal, state and local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Water	to 100%	7732-18-5
Potassium Hydroxide	5 - 10%	1310-58-3
Sodium Hypochlorite	5 - 10%	7681-52-9
1,3-propanediamine, N-[(3-branched Tridecyloxy) Propyl] Derivs.	1 - 2%	68479-04-9
Sodium Metasilicate	1 - 2%	6834-92-0

4. FIRST AID MEASURES

EYES: Flush eyes with water for at least 15 minutes. If pain and/or irritation persists, get medical attention.

SKIN: Flush affected area with water for 15 minutes. Remove contaminated clothing. If pain and/or irritation persists, get medical attention. Launder clothes before reusing.

INGESTION: Do not induce vomiting. Give 2 glasses of water. Get immediate medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: None.

EXTINGUISHING MEDIA: Carbon dioxide, water, foam or dry chemical.

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

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Contain spill. Neutralize with a dilute acid solution. Absorb liquid and place in sealed container for disposal.

7. HANDLING AND STORAGE

STORAGE: Store in a tightly closed container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields (or goggles).

SKIN: Wear rubber or nitrile gloves.

RESPIRATORY: None.

PROTECTIVE CLOTHING: Synthetic apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

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PHYSICAL STATE: Liquid**ODOR:** Chlorine**COLOR:** Colorless**pH:** > 12**FLASHPOINT AND METHOD:** Not Flammable**FLAMMABLE LIMITS:** N/D to N/D**VAPOR PRESSURE:** Not Determined**VAPOR DENSITY:** Not Determined**BOILING POINT:** Not Determined**FREEZING POINT:** Not Determined**SOLUBILITY IN WATER:** Soluble**EVAPORATION RATE:** Not Determined**SPECIFIC GRAVITY:** 1.175**(VOC):** < 0.100 %

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.**STABILITY:** Stable.**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.**INCOMPATIBLE MATERIALS:** Strong acids.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY

Notes: None known.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Not available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive Liquid, N.O.S.**TECHNICAL NAME:** (Potassium Hydroxide, Sodium Hypochlorite)**PRIMARY HAZARD CLASS/DIVISION:** 8**UN/NA NUMBER:** 1760**PACKING GROUP:** II

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15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt. %	CERCLA RQ
Potassium Hydroxide	5 - 10%	1,000

16. OTHER INFORMATION

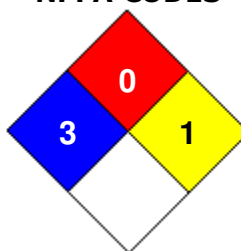
PREPARED BY: E. Spicer Date Revised: 3/10/2015

REVISION SUMMARY: This MSDS replaces the 5/21/2012 MSDS. Revised: **Section 1:** GENERAL USE. **Section 2:** POTENTIAL HEALTH EFFECTS (SKIN, INHALATION, INGESTION). **Section 9:** BOILING POINT, COLOR, EVAPORATION RATE, FLAMMABLE LIMITS, FLASHPOINT AND METHOD, FREEZING POINT, ODOR, PHYSICAL STATE, VAPOR DENSITY, VAPOR PRESSURE, (VOC). **Section 10:** HAZARDOUS DECOMPOSITION PRODUCTS.

HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	1
PERSONAL PROTECTION	<input type="checkbox"/>	C

NFPA CODES



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