

# SAFETY DATA SHEET



Date Prepared : 2/18/2015

MSDS No : 0891

Date Revised : 3/10/2015

Revision No : 2

## HF Plus

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** HF Plus**GENERAL USE:** Cleaner**PRODUCT CODE:** 0891**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
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

**PHYSICAL STATE:** Liquid

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**ODOR:** Chlorine**COLOR:** Colorless**pH:** 13.0**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

### 15. REGULATORY INFORMATION

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### 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

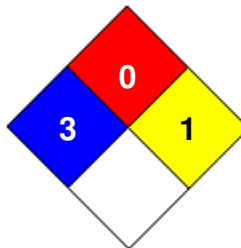
**PREPARED BY:** E. Spicer      **Date Revised:** 3/10/2015

**REVISION SUMMARY:** This MSDS replaces the 3/10/2015 MSDS. Revised: **Section 16:** MANUFACTURER DISCLAIMER.

#### HMIS RATING

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

#### NFPA CODES



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