

## MATERIAL SAFETY DATA SHEET

### SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product **FERRICOTE LFC**  
Product Use Iron Phosphatizer

Manufacturer Commercial Industrial Supply Co (CISCO)  
6423 NW Melody Ln.  
Parkville, MO 64152  
816-505-2345

24 Hour Emergency Telephone Chemtrec 800-424-9300

Date 3/31/09 Preparer Signature

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### SECTION 2 – HAZARDOUS INGREDIENTS

Hazardous Ingredients	CAS Number	Exposure Limits
Phosphoric Acid	7664-38-2	OSHA PEL TWA 100ppmt (600 mg/m <sup>3</sup> )
Sodium Acid Pyrophosphate	7758-16-9	OSHA PEL TWA 15 mg/m <sup>3</sup> ACGIH TLV TWA 10mg/m <sup>3</sup>

#### DOT Description

Compound Cleaning Liquid (Containing Phosphoric Acid)

**NFPA:** Health 2 Fire 0 Reactivity 0 Special None

**HMIS:** Health 2 Fire 0 Reactivity 0 Other H

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### SECTION 3 – PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point	> 212° F	Melting Point	NA
Vapor Pressure	NA	Vapor Density	NA
Specific Gravity	1.2	Evaporation Rate	NA
Solubility in Water	Complete		
Appearance and Odor	Water clear with mildly acidic odor		

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### SECTION 4 – FIRE AND EXPLOSION DATA

Flash point None

Flammable Limits N/A

Fire and explosion hazards No unusual fire and explosion hazards

Special firefighting procedures No specific firefighting procedures or requirements

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**SECTION 5 – REACTIVITY DATA**

Stability	Stable	Conditions to Avoid
Incompatibility (materials to avoid)	Strong Oxidizing Agents	
Hazardous Decomposition Product	Phosphoric Oxide Fumes	
Hazardous Polymerization	No	

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**SECTION 6 – HEALTH HAZARD INFORMATION AND FIRST AID**

Routes of Entry	Eyes, Skin, Inhalation & Ingestion
Health Hazards / Signs & Symptoms of Exposure	Eyes – will cause eye damage if not treated immediately / look for redness Skin – will cause severe irritation and burns / look for redness Inhaled – mist may cause irritation and damage to nasal and respiratory organs Ingested – may cause irritation and damage mucus membranes
Medical conditions aggravated by exposure	Generally aggravated by exposure
<b>FIRST AID PROCEDURES</b>	
Eyes	Flush with water for 15 minutes and seek medical attention.
Skin	Wash with soap & water; if irritation persists seek medical attention.
Inhalation	Get fresh air - If breathing has stopped begin artificial respiration / Seek medical attention.
Ingestion	Do not induce vomiting. If conscious, drink large quantities of water or milk and seek medical attention immediately.

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**SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE**

Leak and Spills Procedures	Neutralize to pH of 7 with soda ash. Pick up with shovel or scoop.
Waste Disposal Method	In accordance with state, local and federal regulations.
Precautions in Handling and Storage	Store in a cool dry place, Do not freeze. Keep container closed when not in use.
Other Precautions	Keep out of reach of children.

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**SECTION 8 – CONTROL MEASURES**

Respiratory Protection	Exhaust ventilation. If TLV is exceeded, wear a NIOSH approved respirator
Ventilation	Local exhaust, mechanical ventilation
Eye Protection	Safety glasses or face shield
Protective Gloves	Chemical resistant gloves
Work / Hygienic Practices	Boots and apron if working conditions merit Handle in a manner consistent with good industrial techniques and practices

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**END OF MSDS**