



**MATERIAL SAFETY DATA SHEET**

**I. PRODUCT INFORMATION**

Trade Name: Super Premium Electrostatic Etch and Fountain Concentrate 312

Chemical names, common names: Water Base inorganic mixture

Manufacturer's Name: HURST CHEMICAL COMPANY

Address: 2500 San Fernando Road, Los Angeles, CA. 90065

DOT CLASSIFICATION: Electrostatic Etch (not regulated)

For Product Information, call : (323) 223-4121

FOR EMERGENCY, CALL CHEMTREC, 24 HOUR: 800 424-9300

**II. HAZARDOUS INGREDIENTS**

<u>Chemical Names</u>	<u>CAS Number</u>	<u>Exposure Limits in Air</u> <u>ACGIH (TWA)</u>	<u>OSHA (PEL)</u>
Sodium Ferrocyanide	13601-199	Not Established	
Glycerin	56-81-5	10 mg/m3 (mist)	10 mg/m3

Section IIA - This product contains the following chemicals subject to reporting requirements of SARA 313 and 40 CFR 372.

<u>Listed Ingredients</u>	<u>CAS Number</u>	<u>Weight % Range</u>
None	None	None

**III. PHYSICAL PROPERTIES**

Vapor density (air = 1): N/A

Specific Gravity: 1.15

Density lb/gal: 9.6

Solubility in water: 100%

VOC Composite Partial Pressure, mm Hg at 20°C: <1

Evaporation rate (Bu Ac = 1): <1

Boiling Range °F: 212

PH= 4.2

Appearance and odor: Lime green to blue color with no odor

Volatile Organic Content (VOC, EPA Method 24): 28 gm/l or 0.2 lb/gal

**IV. FIRE AND EXPLOSION**

**HAZARD RANKING**

HMIS	Health Hazard=1	0=Least	4=Extreme
HAZARD	Flammability=0	1=Slight	
CLASS	Reactivity= 0	2=Moderate	
	Other = 0	3 = High	

Flash Point °F: N/A

Flammable limits in air, volume%:

lower N/A

upper N/A

Fire extinguishing materials:

N/A water spray

N/A carbon dioxide

N/A foam

N/A dry chemical

\_\_\_ other

Special firefighting procedures: Remove containers from danger zone if possible. Wear self-contained breathing apparatus.

Unusual fire and explosion hazards: Contact with strong acids may release toxic flammable hydrogen cyanide gas which forms explosive mixture with air.

**V. HEALTH HAZARD INFORMATION**

**SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE -**

Inhaled: Possible irritation of nose and throat.

Contact with skin or eyes: Irritation of eyes and skin possible.

Absorbed through skin: Possible skin irritation.

Swallowed: Nausea

**HEALTH EFFECTS OR RISKS FROM EXPOSURE -**

Acute: Irritation of eye and skin.

Chronic: Skin tissue destruction, respiratory illness.

**FIRST AID: EMERGENCY PROCEDURES -**

Eye Contact: Wash with water for 15 minutes if irritation persist, seek medical attention.

Skin Contact: Wash with water for 15 minutes if irritation persist, seek medical attention.

Inhaled: First aid not necessarily needed.

Swallowed: Do not induce vomiting, call a physician.

COMMENTS: This product contains no ingredients which are listed in the federal OSHA, NTP, IARC, or CAL-OSHA., Lists of suspected carcinogenic chemicals.

MEDICAL CONDITION AGGRAVATED BY EXPOSURE: Not applicable

RECOMMENDATIONS TO PHYSICIAN- Not applicable

**VI. REACTIVITY DATA**

Stability: Stable under ordinary use & storage.

Incompatibility (materials to avoid): Strong acids, mild steel or brass.

Hazardous Decomposition products (including combustion products): Heating with concentrated mineral acids can release hydrogen cyanide gas.

Hazardous polymerization: Will not polymerize under ordinary conditions of use and storage.

**VII. SPILL, LEAK, AND DISPOSAL PROCEDURES**

Spill response procedures: Contain by diking with soil or other absorbent material and then pump into DOT - approved waste containers or absorb with sorbent material and then pump into DOT-approved waste containers or absorb with sorbent material and place the residue in DOT-approved waste containers. Keep out of sewers, storm drains, surface waters and soil.

Preparing wastes for disposal: Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. Empty containers can have residues, gases and mists and are subject to proper waste disposal.

**VIII. SPECIAL HANDLING INFORMATION**

Ventilation and engineering controls: Normal shop ventilation is adequate.

Respiratory Protection: In working atmosphere where mist is prevalent, use NIOSH- approved air-purifying respirator with mist filter.

Eye Protection: Use safety goggles where solvent splashes are expected.

Gloves: Rubber gloves

Other clothing and equipment: It is suggested that a source of clean water be available in work area for flushing eyes & skin. Impervious clothing should be worn as needed.

Work practices, hygienic practices: Practice personal cleanliness by prompt removal of liquid contact with skin. Train all employees on special handling procedures prior to working with this product.

**OTHER HANDLING AND STORAGE REQUIREMENTS:**

Keep containers tightly closed. Keep containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous.

HURST CHEMICAL COMPANY furnishes Material Safety Data Sheets based upon information from raw material suppliers. This information is provided in compliance with Federal Regulation 29CFR 1910.

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This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.

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