



MATERIAL SAFETY DATA SHEET

I. PRODUCT INFORMATION

Trade Name: Black Plate Fountain Concentrate 303
Chemical names, common names: Complex Water Base Solution
Manufacturer's Name: HURST CHEMICAL COMPANY
Address: 2500 San Fernando Road Los Angeles, CA 90065
DOT CLASSIFICATION: (Not regulated)
For Product Information, call : (323) 223-4121
FOR EMERGENCY, CALL CHEMTREC, 24 HOUR: 800 424-9300

II. HAZARDOUS INGREDIENTS

Chemical Names	CAS Number	Exposure Limits in Air	
		ACGIH (TWA)	OSHA (PEL)
Ethylene glycol	107-21-1	50 ppm Ceil.	50 ppm Ceil
Water	7732-18-5	None	None
Disodium phosphate	7558-79-4	None Established	None Established
Colloidal silica	7631-86-9	None Established	None Established

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

Listed Ingredients	CAS Number	Weight % Range
Ethylene glycol	107-21-1	1.00-5.00

III. PHYSICAL PROPERTIES

Vapor density (air = 1): < 1
Solubility in water: 100%
Evaporation rate (Bu Ac = 1): <1
Appearance and odor: Clear pink solution with glycol ether odor.
Volatile Organic Content (VOC,EPA Method 24): 78 gm/l or 0.65 lb/gal

Specific Gravity: 1.028
Density lb/gal: 8.57
VOC Composite Partial Pressure, mm Hg at 20°C: <1.00
Boiling Range °F: 180-388
PH= 5.5

IV. FIRE AND EXPLOSION

HAZARD RANKING			
HMIS	Health Hazard=1	0=Least	4=Extreme
HAZARD	Flammability=1	1=Slight	
CLASS	Reactivity= 0	2=Moderate	
	Other = Safety goggles and gloves	3 = High	

Flash Point °F: > 200

Flammable limits in air,volume%: lower Not Available upper Not available

Fire extinguishing materials: No water spray No carbon dioxide No foam
No dry chemical Yes other

Special firefighting procedures: The product is not flammable. However vapors exposed to heat or open flame may separate and become flammable. Then use Dry chemical or foam to extinguish.

Unusual fire and explosion hazards: Not Known.

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE -

Inhaled: This product has low degree of toxicity. Breathing high concentrations of vapors or mists may cause irritation of nose, and throat

Contact with skin or eyes: This material may cause skin and eye irritation. Direct contact may cause redness, tearing of the eyes, and redness, drying & cracking of skin.

Absorbed through skin: No data available of harmful effects through skin absorption.

Swallowed: Ingestion of excessive amount of ethylene glycol may cause irritation of digestive tract, signs of nervous system depression, visual disturbances, Kidney damage, convulsions, coma.

HEALTH EFFECTS OR RISKS FROM EXPOSURE -

Acute: May cause eye, skin & digestive track irritation.

Chronic: Not known

FIRST AID: EMERGENCY PROCEDURES -

Eye Contact: For direct contact, hold eyelids apart and flush the affected eye (s) with clean water for 15 minutes, If irritation or redness develops, seek medical attention.

Skin Contact: Remove contaminated clothing, cleanse affected area (s) thoroughly by washing with mild soap & water. If irritation or redness develops, seek medical attention.

Inhaled: Move victim away from source of exposure and into fresh air. If symptoms appear seek medical attention.

Swallowed: Seek immediate medical attention. If victim is conscious vomiting should be induced for ingestion of more than 1 - 2 tbsp. preferably with syrup of ipecac under direction from a physician or poison center. If syrup of ipecac is not available, vomiting can be induced by gently placing 2 fingers in the back of throat . Do not leave victim unattended.

COMMENTS: This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA. Ethylene glycol in this product is a probable hazard to the fetus based on tests with laboratory animals. Ethylene glycol mists may irritate the nose and throat. High vapor concentrations caused by heating in a poorly ventilated area may produce nausea, vomiting, headache, and dizziness.

VI. REACTIVITY DATA

Stability: Stable under ordinary use & storage.

Incompatibility (materials to avoid): Incompatible with strong oxidizing agents, anhydride, isocyanate, acetaldehyde, chlorine, ethylene oxide, hydrogen peroxide, aluminum and organometallic contaminants.

Hazardous Decomposition products (including combustion products): Carbon monoxide/ or carbon dioxide, oxides of nitrogen.

Hazardous polymerization: Will not occur.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures: For small spills, do not flush with water, use absorbant pads. Keep out of drains, sewers or waterways. Use sand or other inert material to dam and contain spill.

Preparing wastes for disposal: Dispose of product in accordance with local ordinance

VIII. SPECIAL HANDLING INFORMATION

Ventilation and engineering controls: Normal shop ventilation is adequate.

Respiratory Protection: In working atmosphere where TLV or PEL levels are exceeded, use NIOSH approved chemical cartridge respirator.

Eye Protection: Approved eye protection to safeguard against potential eye contact, irritation or injury is recommended.

Gloves: The use of nitrile gloves impermeable to the specific material handled is advised.

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.

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. Use good personal hygiene practice. Store at temperatures above 2C (35F) to avoid irreversible precipitation of silica.

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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