



SAFETY DATA SHEET

SECTION 1. Identification

Product Identifier: Trade Name: No. 306 Universal Fountain Solution
Chemical names, common names: Complex Water Base Solution

Manufacturer's Name: HURST CHEMICAL COMPANY
Address: 2360 Eastman Avenue # 108, Oxnard, CA 93030
Product Information, Call: (800) 723-2004
For EMERGENCY, CALL CHEMTREC, 24 HOUR: (800) 424-9300
DOT CLASSIFICATION: (Not regulated)

Recommended Use: Small presses buffered fountain concentrate; works well with all plates.
Restrictions on Use: Not intended for any other use other than the recommended use of this product.
Persons handling and/or using this product should be trained regarding handling and use.

SECTION 2. Hazard(s) Identification

HMIS Health Hazard = 1
HAZARD Flammability = 1
CLASS Reactivity = 0

0 = Least	3 = High
1 = Slight	4 = Extreme
2 = Moderate	

Flash Point °F: > 200 Flammable class: IIIB
Flammable limits in air, volume%: lower N/A upper NA

Signal Word: Danger

Hazard Statement(s):

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.

Ingestion of excessive amount may cause irritation of digestive tract, signs of nervous system depression, visual disturbances, kidney damage, convulsions, and coma. Maybe toxic if swallowed.

Chronic: Kidney damage & visual disturbances.

Harmful in contact with skin

Pictograms or hazard symbols:



Precautionary statement(s):

Wash affected areas thoroughly after handling.

Do not eat, drink or smoke when using this product.

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

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Keep away from open flames/hot surfaces.

Mixture composition and information on ingredients are described in Section 3.

SECTION 3. Composition/ Information on Ingredients

<u>Chemical Names</u>	<u>CAS Number</u>	<u>Weight % Range</u>
2-Butoxyethanol	111-76-2	8.0-10.0
Trihydric alcohol	56-81-5	
TWA Ethylene glycol	107-21-1	3.0-5.0
Isopropyl alcohol	67-63-0	
TWA Water	7732-18-5	

SECTION 4. First-Aid Measures**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, throat and signs of nervous system depression.

Contact with skin or eyes: This material may cause skin and eye irritation. Direct contact may cause redness, tearing & burning 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 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: Kidney damage & visual disturbances.

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. 2-Butoxyethanol has caused blood disorders resulting in liver, kidney and spleen disorders in long term studies in laboratory animals. Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain & nervous system damage, (Sometimes referred to as solvent or painter's syndrome). Intentional misuse by deliberately concentrating & inhaling this product may be harmful or fatal.

SECTION 5. Fire-fighting Measures

Fire extinguishing materials: Do not use water spray, carbon dioxide, foam or dry chemical.
Other (please see special firefighting procedures).

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.

Recommendations on special protective equipment or precautions for firefighters. No information provided.

SECTION 6. Accidental Release Measures

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

SECTION 7: Handling and Storage

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.

SECTION 8. Exposure Controls/ Personal Protection

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.

<u>Chemical Names</u>	<u>CAS Number</u>	<u>Exposure Limits in Air</u>	
		<u>ACGIH (TWA)</u>	<u>OSHA (PEL)</u>
2-Butoxyethanol	111-76-2	25 ppm	25 ppm
Trihydric alcohol	56-81-5	10 mg/m3(mist)	5mg/m3
TWA Ethylene glycol	107-21-1	50 ppm Ceil	50 ppm Ceil
Isopropyl alcohol	67-63-0	400 ppm	400 ppm
TWA Water	7732-18-5	None	None

SECTION 9. Physical and Chemical Properties

- Appearance (physical state, color, etc.): Clear pink solution
- Upper/lower flammability or explosive limits: Flammable limits in air, volume%: lower N/A upper NA
- Odor: glycol ether odor
- Vapor pressure: Information may not be relevant or is not available.
- Odor threshold: Information may not be relevant or is not available.
- Vapor density: (air = 1): < 1
- pH: 4.4
- Relative density: Density lb/gal: 8.5
- Specific Gravity: 1.02
- Melting point/freezing point: Information may not be relevant or is not available.
- Solubility(ies): Solubility in water: 100%
- Initial boiling point and boiling range: Boiling Range °F: 180-388
- Flash point °F: > 200
- Evaporation rate (Bu Ac = 1): <1
- Flammability (solid, gas): Flammable class: IIIB
- Partition coefficient: n-octanol/water: Information may not be relevant or is not available.
- Auto-ignition temperature: Information may not be relevant or is not available.
- Decomposition temperature: Information may not be relevant or is not available.
- Viscosity: Information may not be relevant or is not available.
- VOC Composite Partial Pressure, mm Hg at 20°C: 1.04
- Volatile Organic Content (VOC, EPA Method 24): 224 gm/l or 1.87 lb/gal

SECTION 10. Stability and Reactivity

Reactivity

Fire and Explosion: CLASS/ Reactivity=0, (0=Least)

Chemical stability

Stability: Stable under ordinary use & storage.

Other

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.

SECTION 11. Toxicological Information

Routes of exposure (inhalation, ingestion, skin and eye contact are discussed in Section 4. Description of the delayed, immediate, or chronic effects from short- and long-term exposure is discussed in Section 4. Description of the symptoms is discussed in Section 4.

No additional information available and or relevant.

SECTION 12. Ecological Information

Keep out of sewers, drainage areas, and waterways. Consult appropriate local, county, state, and federal agencies regarding ecological issues. Follow appropriate spill response measures as outlined in Section 6.

SECTION 13 Disposal Considerations

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

SECTION 14. Transport Information

Transport this product in accordance with local, county, state, and federal regulations.

SECTION 15. Regulatory Information

Section IIA -This product contains the following chemicals subject to reporting requirements of 40 CFR 372 and Environment Canada's NDSL: None

This product contains the following chemicals subject to reporting requirements of SARA 313: Ethylene glycol, Isopropyl alcohol

This product contains the following chemicals subject to reporting requirements of TSCA: 2-Butoxyethanol, Ethylene glycol, Isopropyl alcohol

This product contains the following chemicals subject to Environment Canada's DSL: All

SECTION 16. Other Information

Date Prepared: November 1993

Date Reviewed: May 2015

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