



# HURST CHEMICAL COMPANY

Date Prepared: February 2003  
Date Reviewed: March 2009

## MATERIAL SAFETY DATA SHEET

### I. PRODUCT INFORMATION

Trade Name: SmartPlate CleanPrint 396  
Chemical names, common names: Complex Water Base Solution  
Manufacturer's Name: HURST CHEMICAL COMPANY  
Address: 231 W. Pedregosa St. , Santa Barbara, CA 93101  
For Product Information, call: (800) 723-2004  
FOR EMERGENCY, CALL CHEMTREC, 24 HOUR: (800) 424-9300  
DOT CLASSIFICATION: (Not regulated)

### II. HAZARDOUS INGREDIENTS

<u>Chemical Names</u>	<u>CAS Number</u>	<u>Exposure Limits in Air</u> <u>ACGIH (TWA) OSHA (PEL)</u>
Dipropylene Glycol		
Monomethyl Ether	034590-94-8	
and proprietary ingredients		

### III. PHYSICAL PROPERTIES

Appearance and odor: Clear, slight and pleasant.  
Vapor density (air = 1): N/A  
Specific Gravity: 1.01  
Density lb/gal: N/A  
Solubility in water: 100%  
Evaporation rate (Bu Ac = 1): N/A  
Boiling Range °F: 212  
Volatile Organic Content (VOC,EPA Method 24): 4.0 m/l or 0.7 lb/gal

### IV. FIRE AND EXPLOSION

HMIS	Health Hazard=1	0=Least	3=High
HAZARD	Flammability=0	1=Slight	4=Extreme
CLASS	Reactivity= 0	2=Moderate	
Other	Safety glasses, nitrile gloves.		

Flash Point °F: > 200 F TOC  
Flammable limits in air, volume%: lower: N/A - upper: N/A  
Fire extinguishing materials: Do not use water spray and carbon dioxide. Foam and dry chemical may be used. See special firefighting procedures below.  
Special firefighting procedures: The product is not flammable. However vapors exposed to heat or open flame may separate and become flammable. Treat as any water miscible solvent fire.  
Unusual fire and explosion hazard: 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, throat and signs of nervous system depression.

Contact with skin or eyes: This material may cause skin and eye irritation.

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

Swallowed: Ingestion of excessive amount may cause irritation of digestive tract.

### **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, do not induce vomiting.

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.

## **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 absorbent 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. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

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