



**MATERIAL SAFETY DATA SHEET**

**I. PRODUCT INFORMATION**

Trade Name: Universal Neutral Plate Developer 329  
Chemical names, common names: Water base mixture  
Manufacturer's Name: HURST CHEMICAL COMPANY  
Address: 2500 San Fernando Road, Los Angeles, CA. 90065  
DOT ID NO AND PROPER SHIPPING NAME: Not Regulated  
For Emergency, 24 Hour CALL CHEMTREC:- 1800 424-9300  
For Product Information Call:- (323) 223-4121

**II. HAZARDOUS INGREDIENTS**

Chemical Names	CAS Number	Exposure Limits in Air	
		ACGIH (TWA)	OSHA (PEL)
Benzyl Alcohol	100-51-6	NOT 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
NONE	NONE	NONE

**III. PHYSICAL PROPERTIES**

Vapor density (air = 1): <1	Specific Gravity: 1.02	Density lb/gal: 8.5
Solubility in water: Complete	VOC Composite Partial Pressure, mm Hg at 20°C: <1	
Evaporation rate (Bu Ac = 1): <1	Boiling Range °F: 212-400	PH = 7.00

Appearance and odor: Amber color clear liquid.  
Volatile Organic Content (VOC,EPA Method 24): 63.57 gm/l or 0.53 lb/gal

**IV. FIRE AND EXPLOSION**

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

Flash Point °F: >200

Flammable limits in air,volume%: lower MA upper NA

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

Special firefighting procedures: Solvent vapors exposed to open flame can become combustible under certain conditions; then use foam, dry chemical or CO2 to extinguish.

Unusual fire and explosion hazard: Keep work areas free of hot metal surfaces and other sources of ignition.

**V. HEALTH HAZARD INFORMATION**

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

Inhaled:Vapor exposure is unlikely at room temperature but higher temperatures may generate enough vapors to cause irritation.

Contact with skin or eyes:Benzy Alcohol is eye & skin irritant.

Absorbed through skin:Brief contact may irritate the skin. Prolonged contact may cause dermatitis.

Swallowed:Ingesting large doses of this product can be toxic.

**HEALTH EFFECTS OR RISKS FROM EXPOSURE -**

Acute:Irritation of the nose, throat and the digestive tract

Chronic:Repeated, excessive exposures may cause liver and kidney damage.

**FIRST AID: EMERGENCY PROCEDURES -**

Eye Contact:For direct contact, hold eyelids apart & flush the affected eye (s) with clean water for 15 minutes.

Skin Contact:Remove contaminated clothing & cleanse affected area (s) thoroughly 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 persist seek medical attention.

Swallowed:If conscious, immediately induce vomiting by giving two glasses of water, get immediate medical attention.

COMMENTS:This material has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA.

**VI. REACTIVITY DATA**

Stability:Stable under ordinary use & storage.

Incompatibility (materials to avoid):Strong oxidizers.

Hazardous Decomposition products (including combustion products):Carbon Monoxide and Carbon Dioxide.

Hazardous polymerization:Will not occur.

**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. 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.

**VIII. SPECIAL HANDLING INFORMATION**

Ventilation and engineering controls: Normal shop ventilation is adequate.

Respiratory Protection:The use of respiratory protection is advised when concentrations exceed the established exposure limits. Depending on the airborne concentration, use a respirator or gas mask with appropriate cartridges and canisters (NIOSH Approved).

Eye Protection:Use Safety glasses where solvent splashes are expected.

Gloves:Prevent repeated or prolonged skin Contact with this material by using nitrile gloves.

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

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

**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. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition; they may explode and cause injury or death.

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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