



**MATERIAL SAFETY DATA SHEET**

**I. PRODUCT INFORMATION**

Trade Name: True Blue Etch 181  
Chemical names, common names: Complex Water Base Emulsion  
Manufacturer's Name: HURST CHEMICAL COMPANY  
Address: 2500 San Fernando Rd. 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)
Water	7732-18-5	None	None
N-Propyl Alcohol	71-23-8	200 ppm (skin)	200 ppm (skin)
Glycerine	000056-81-5	10 mg/m3 (mist)	5 mg/m3 (respirable)

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  
Solubility in water: N/A  
Evaporation rate (Bu Ac = 1): < 1  
Appearance and odor: Blue clear liquid, with a pleasant odor.  
Photochemical Reactivity Rule-102: Non-Photochemically Reactive  
Volatile Organic Content (VOC,EPA Method 24): 307 gm/l or 2.56 lb/gal

Specific Gravity: 1.078  
Density lb/gal: 8.98  
VOC Composite Partial Pressure, mm Hg at 20°C: 0.35  
Boiling Range °F: 212-395  
PH= 5.7

**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 Glasses and Gloves	3 = High	

Flash Point °F: > 200° F  
Flammable limits in air,volume%: lower: 2.1 upper 13.5  
Fire extinguishing materials: No water spray No carbon dioxide No foam  
No dry chemical Yes 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 hazards: 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:At room temperature, exposure to vapors are unlikely due to physical properties.  
Contact with skin or eyes: This product may be skin & eye irritant, direct contact may cause stinging, tearing & redness of eyes, burning, drying & cracking of the skin.  
Absorbed through skin: This material is not likely to be absorbed through the skin.  
Swallowed: Ingestion of excessive quantities may cause central nervous system effects and increased blood sugar level.

**HEALTH EFFECTS OR RISKS FROM EXPOSURE -**

Acute: Irritation of nose and throat.

Chronic: Prolonged or repeated exposure to glycerine may cause increased fat levels in blood.

**FIRST AID: EMERGENCY PROCEDURES -**

Eye Contact: Move victim away from exposure and into fresh air. For direct contact hold eyelids apart & flush the affected area (s) with clean water. 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: No adverse effects anticipated by this route of exposure.

Swallowed: Induce vomiting if large amounts are ingested and seek medical attention.

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

**VI. REACTIVITY DATA**

Stability: Stable under ordinary conditions of use & storage.

Incompatibility (materials to avoid): Avoid strong oxidizing agent (such as sodium hypochlorite, hypochlorous acid).

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

Hazardous polymerization: Will not occur.

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

Spill response procedures: Stay upwind and away from spill. Keep all sources of ignition & hot metal surfaces away from spill. Keep spill out of drains, sewers, waterways. Use sand or other inert material to dam and contain spill. Reportable Quantity NOT APPLICABLE.

Preparing wastes for disposal: Dispose of product in accordance with Local, County, State, and Federal regulations.

**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.

Eye Protection: Use Safety glasses.

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

Other clothing and equipment: It is suggested that a source for 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 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. Use good personal hygiene practice. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

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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