

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: TRANSPARENT ETCHING BASE  
PRODUCT CODE: 02X001

HMIS CODES: H F R P  
1 1 0 C

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: DANIEL SMITH INC.  
ADDRESS: 4130 1ST AVENUE SOUTH, SEATTLE, WASHINGTON 98134  
EMERGENCY PHONE: (206) 223-9599 INFORMATION PHONE: (206) 223-9599  
DATE REVISED : 07-26-90 NAME OF PREPARER : RONALD W. HARMON  
REASON REVISED : NEW

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

HAZARDOUS COMPONENTS/WEIGHT PERCENT	OCCUPATIONAL EXPOSURE LIMITS			
	OSHA PEL	ACGIH TLV	OTHER	LC50 SPECIES & ROUTE

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\*\*\* NO REPORTABLE QUANTITIES OF INGREDIENTS ARE PRESENT \*\*\*

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\*\*\* No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. \*\*\*  
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## ===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING POINT: N/A  
VAPOR DENSITY: NO DATA  
EVAPORATION RATE: NO DATA  
COATING V.O.C. : NO DATA  
SOLUBILITY IN WATER: NON-SOLUBLE  
APPEARANCE AND ODOR: CLEAR OILY PASTE  
FREEZING POINT: NOT KNOWN.  
COEFFICIENT OF WATER/OIL DIST: N/A

SPECIFIC GRAVITY (H2O=1): 1.5  
pH: N/A  
ODOR THRESHOLD: N/A

## ===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: N/A  
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: NO DATA UPPER: NO DATA

METHOD USED:

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

**SPECIAL FIREFIGHTING PROCEDURES**

WATER SPRAY MAY BE INEFFECTIVE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE EXPLOSION WHEN EXPOSED TO EXTREME HEAT. FIREFIGHTERS SHOULD USE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHES

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

NONE

FLAMMABILITY - T.D.G.R. CLASS

**SENSITIVITY TO IMPACT**

NONE KNOWN.

**SENSITIVITY TO STATIC DISCHARGE**

NONE KNOWN.

## ===== SECTION V - REACTIVITY DATA =====

**STABILITY: STABLE****CONDITIONS TO AVOID**

EXCESSIVE TEMPERATURE, DIRECT HEAT.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

STRONG OXIDIZING AGENTS.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

NONE KNOWN.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

## ===== SECTION VI - HEALTH HAZARD DATA =====

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

INHALATION: NONE POSSIBLE

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

EYE CONTACT: MAY RESULT IN IRRITATION, REDNESS, TEARING, BLURRED VISION.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

SKIN CONTACT: MAY RESULT IN IRRITATION, REDNESS, DERMATITIS.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

INGESTION: MAY RESULT IN NAUSEA, VOMITING.

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

INHALATION-NONE POSSIBLE. EYE CONTACT-IRRITATION, REDNESS, TEARING, AND BLURRED VISION. SKIN CONTACT-IRRITATION, REDNESS, AND DERMATITIS. INGESTION-NAUSEA AND VOMITING. NO CHRONIC HEALTH EFFECTS.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

**TERATOGENICITY**

NONE.

**MUTAGENICITY**

NONE.

**TOXICOLOGICALLY SYNERGISTIC PRODUCTS**

NONE.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

NONE KNOWN.

**EMERGENCY AND FIRST AID PROCEDURES**

INHALATION-REMOVE INDIVIDUAL TO FRESH AIR. EYE CONTACT-FLUSH WITH WATER FOR AT LEAST 15 MINUTES;GET MEDICAL ATTENTION IF NECESSARY. SKIN CONTACT-WASH THOROUGHLY WITH SOAP AND WATER;GET MEDICAL ATTENTION IF NECESSARY. INGESTION-DO NOT INDUCE VOMITING;GET MEDICAL ATTENTION.

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SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE  
=====**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

ELIMINATE ALL SOURCES OF IGNITION, PROVIDE GOOD VENTILATION. SOAK UP SPILL WITH ABSORBENT MATERIAL AND REMOVE TO OPEN AIR.

**WASTE DISPOSAL METHOD**

CONSULT LOCAL, STATE, AND FEDERAL HAZARDOUS WASTE REGULATIONS BEFORE DISPOSING INTO APPROVED HAZARDOUS WASTE LANDFILLS. OBEY RELEVANT LAWS.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

STORE AWAY FROM FIRE AND FLAME, KEEP CONTAINERS CLOSED.

**OTHER PRECAUTIONS**

NONE.

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SECTION VIII - CONTROL MEASURES  
=====**RESPIRATORY PROTECTION**

NONE REQUIRED WITH NORMAL USE.

**VENTILATION**

USE ONLY IN AREAS WITH ADEQUATE VENTILATION.

**PROTECTIVE GLOVES**

IMPERMEABLE CHEMICAL HANDLING GLOVES FOR SKIN PROTECTION (RUBBER OR VINYL).

**EYE PROTECTION**

FACE SHIELD OR GOGGLES, IF EYE CONTACT IS PROBABLE.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

IMPERMEABLE APRON OR PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.

**WORK/HYGIENIC PRACTICES**

NORMAL CLEAN-UP PROCEDURES.

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SECTION IX - DISCLAIMER  
=====**DISCLAIMER**

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