Enth, Alizarin Crimson Etching

### MATERIAL SAFETY DATA SHEET

Assorted Etching Ink CA

HMIS CODES: H F R P PRODUCT NAME: ALIZARIN CRIMSON ETCHING INK

PRODUCT CODE: 02R002

MANUFACTURER'S NAME: DANIEL SMITH INC.

ADDRESS: 4130 1ST AVENUE SOUTH, SEATTLE, WASHINGTON 98134

EMERGENCY PHONE: (206) 223-9599

DATE REVISED: 07-26-90

INFORMATION PHONE: (206) 223-9599

NAME OF PREPARER: RONALD W. HARM NAME OF PREPARER : RONALD W. HARMON

REASON REVISED : NEW

HAZARDOUS COMPONENTS/WEIGHT PERCENT

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

OCCUPATIONAL EXPOSURE LIMITS

OSHA PEL ACGIH TLV OTHER LD50 SPECIES & ROUTE LC50 SPECIES & ROUTE

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

\*\*\* No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. \*\*\*

======= SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =========

BOILING POINT: N/A

SPECIFIC GRAVITY (H2O=1): 1.2

VAPOR DENSITY: NO DATA

EVAPORATION RATE: NO DATA

COATING V.O.C. : NO DATA

SOLUBILITY IN WATER: NON-SOLUBLE

APPEARANCE AND ODOR: RED OILY PASTE

FREEZING POINT: NOT KNOWN.

pH: N/A

COEFFICIENT OF WATER/OIL DIST: N/A

ODOR THRESHOLD: N/A

\_\_\_\_\_\_ SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A

METHOD USED:

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: NO DATA UPPER: NO DATA

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 EX -PLOSION WHEN EXPOSED TO EXTREME HEAT. FIREFIGHTERS SHOULD USE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHES

UNUSUAL FIRE AND EXPLOSION HAZARDS

FLAMMABILITY - T.D.G.R. CLASS

SENSITIVITY TO IMPACT NONE KNOWN.

SENSITIVITY TO STATIC DISCHARGE NONE KNOWN.

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

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE INHALATION: NONE POSSIBLE

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE EYE CONTACT: HAY RESULT IN IRRITATION. REDNESS, TEARING, BLURRED VISION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE SKIN CONTACT: NAY RESULT IN IRRITATION, REDNESS, DERNATITIS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE INGESTION: MAY RESULT IN MAUSEA, VOHITING.

# HEALTH HAZARDS (ACUTE AND CHRONIC)

INHALATION-NONE POSSIBLE. BYE CONTACT-IRRITATION, REDNESS, TEARING, AND BLURRED VISION. SKIN CONTACT-IRRITATION, REDNESS, AND DERMATITIS. INGESTION-NAUSEA AND VONITING. 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 NOW KNOWN.

## EMERGENCY AND FIRST AID PROCEDURES

INHALATION-REMOVE INDIVIDUAL TO FRESH AIR. BYE 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 VONITING; 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 ELININATE ALL SOURCES OF IGNITION, PROVIDE GOOD VENTILATION. SOAK UP SPILL WITH ABSORBENT MATERIAL AND REMOVE TO OPEN ATD

#### 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

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 INPERNBABLE APRON OR PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.

WORK/HYGIENIC PRACTICES

NORMAL CLEAN-UP PROCEDURES.

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