# MATERIAL SAFETY DATA SHEET

ASSORTED Etching INK CA

PRODUCT NAME: OPAQUE WHITE ETCHING INK

HMIS CODES: H F R P

PRODUCT CODE: 02W001

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

MANUFACTURER'S NAME: DANIEL SMITH INC.

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

DATE REVISED : 07-26-90 ·

EMERGENCY PHONE: (206) 223-9599 INFORMATION PHONE: (206) 223-9599

NAME OF PREPARER : RONALD W. HARMON

REASON REVISED : NEW

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

OCCUPATIONAL EXPOSURE LIMITS

HAZARDOUS COMPONENTS/WEIGHT PERCENT 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. \*\*\*

N001

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

BOILING POINT: N/A

SPECIFIC GRAVITY (H2O=1):

VAPOR DENSITY: NO DATA EVAPORATION RATE: NO DATA

COATING V.O.C. : NO DATA

SOLUBILITY IN WATER: NON-SOLUBLE APPEARANCE AND ODOR: WHITE OILY PASTE

FREEZING POINT: NOT KNOWN.

COEFFICIENT OF WATER/OIL DIST: N/A

pH: N/A ODOR THRESHOLD: N/A

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

SENSITIVITY TO STATIC DISCHARGE NOWN.

SECTION V - REACTIVITY DATA

STABILITY: STABLE CONDITIONS TO AVOID EXCESSIVE TEMPERATURE, DIRECT HEAT.

INCOMPATIBILITY (MATERIALS TO AVOID) STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS NOW KNOWN.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI - HEALTH HAZARD DATA ----

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE INHALATION: NOWE POSSIBLE

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

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

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE INGESTION: MAY RESULT IN NAUSEA, VONITING.

HEALTH HAZARDS (ACUTE AND CHRONIC)
INHALATION-NONE POSSIBLE. BYE CONTACT-IRRITATION, REDNESS, TEARING, AND BLURRED VISION. SKIN CONTACT-IRRITATION, REDNESS, AND DERMATITIS. INGESTION-HAUSEA AND VONITING. NO CHRONIC HEALTH EFFECTS.

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

TERATOGENICITY NORE.

MUTAGENICITY NORE.

TOXICOLOGICALLY SYNERGISTIC PRODUCTS NONE.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE HOME 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
MECESSARY. SKIN CONTACT-WASH THOROUGHLY WITH SOAP AND WATER; GET MEDICAL ATTENTION IF MECESSARY. INGESTION-DO NOT INDUCE
VONITING; GET MEDICAL ATTENTION.

====== 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.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION NOW REQUIRED WITH MORNAL USE.

## **VENTILATION**

USE ONLY IN AREAS WITH ADEQUATE VENTILATION.

# PROTECTIVE GLOVES

INPERMEABLE 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.

SECTION IX - DISCLAIMER

### DISCLAIMER

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