

**MATERIAL SAFETY DATA SHEET**  
**DANIEL SMITH, INC.**  
**DANIEL SMITH ETCHING INKS**  
**Date Printed: 3-30-12 Date Revised: 3-30-12**

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**1. Product and Company Identification**

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**Product Name: Daniel Smith Etching Inks (All Colors)**

**Brand Names: Daniel Smith Etching Inks**

**Product Sizes: 1 LB Can(454 grams)**

**Product Class: Oil Based Etching Inks**

**Recommended Use: Artistic Printing**

**Company Identification:**

**Daniel Smith, Inc.**

**4150 1<sup>ST</sup> Avenue South**

**PO Box 84268**

**Seattle, Washington 98134-2302**

**Information Phone: (206) 223-9599, (206) 812-5877**

**Emergency Phone: (800) 424-9300**

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**2. Hazards Identification**

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**Keep out of reach of children.**

**Potential Health Effects**

**Eye: None Expected**

**Skin: None Expected**

**Ingestion: None Expected**

**Inhalation: None Expected**

**Chronic (Cancer) Information: None Known**

**Teratology (Birth Defects) Information: None Known**

**Reproduction Information: None Known**

**Aggravation of Pre-Existing Conditions: None**

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**3. Composition/Information on Ingredients**

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<b>Ingredient</b>	<b>CAS #</b>	<b>PEL/TLV (MG/M3)</b>	<b>Max % Weight</b>	<b>NTP</b>	<b>IARC</b>
None					

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**4. First Aid Measures**

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**Eyes: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting eyelid. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.**

**Skin: Remove affected person from source of contamination. Get medical attention is irritation persists after washing.**

**Ingestion: Never make an unconscious person vomit or drink fluids. Rinse mouth thoroughly. Drink plenty of water. Get medical attention if there is any discomfort.**

**Inhalation: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.**

**Note to Physicians: None**

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## 5. Fire Fighting Measures

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**Flammable Properties:**

**Flash Point:** None   **Method:** Not Applicable

**Explosive Limits:** Not Explosive

**Lower Explosive Limit:** Not Applicable

**Upper Explosive Limit:** Not Applicable

**Autoignition Temperature:** Not Applicable

**Hazardous Combustion Products:** None

**Extinguishing Media:** No Special Media Required

**Fire Fighting Procedures:** No Special Fire Fighting Procedures Required

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## 6. Accidental Release Measures

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**Small Spill:** No special spill procedures required.

**Large Spill:** No special spill procedures required.

**Environmental Precautions:** Do not contaminate water courses or sewer.

**Methods/Materials for Containment and Cleaning Up:** Stop leak if possible without risk. Absorb with dry sand, vermiculite, or dirt and place into containers. Do not contaminate water courses or sewer. Dispose of according to local, state and federal regulations.

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## 7. Handling and Storage

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**Handling:** No special precautions required

**Storage:** Keep in the original container. Store at moderate temperatures.

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## 8. Exposure Controls/Personal Protection

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**Airborne Exposure Limits:** None

**Engineering Controls:** No specific ventilation requirements

**Personal Protective Equipment:**

**Respiratory Protection:** None with normal usage

**Skin Protection:** None with normal usage

**Eye Protection:** If splashing is possible, wear safety goggles or face shield

**Hygiene:** Wash up when finished working for the day or before eating, smoking, and using the bathroom. Promptly remove any clothing that has been contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke.

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## 9. Physical and Chemical Properties

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**Boiling Point (Celsius):** Not Applicable

**Melting Point:** Not Applicable

**Freezing Point (Celsius):** Not Applicable

**Vapor Pressure:** Not Applicable

**Vapor Density:** Not Applicable

**Solubility in Water:** Insoluble

**Evaporation Rate:** Not Applicable

**Flammability (Solid, Gas):** Not Applicable

**Exposure:** Not Applicable

**Upper Exposure Limits:** Not Applicable

**Lower Exposure Limits:** Not Applicable

**Specific Gravity:** 1.2 - 2.9

**pH:** Not Applicable

**Odor: Vegetable Oil**  
**Odor Threshold: None**  
**Appearance: Colored Oil Paste**  
**Viscosity: Thick, Very Little Flow**  
**Partition Coefficient: Not Applicable**  
**Autoignition Temperature: Not Applicable**  
**Decomposition Temperature: Not Applicable**

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#### **10. Stability and Reactivity**

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**Chemical Stability (Conditions to Avoid): Stable, Avoid Extreme Temperatures**  
**Incompatibility (Materials to Avoid): Strong Oxidizing Agents**  
**Hazardous Decomposition Products: None known**  
**Hazardous Polymerization: None**

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#### **11. Toxicological Information**

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**Eye: May cause irritation**  
**Skin: May cause irritation**  
**Ingestion: May cause discomfort if swallowed**  
**Inhalation: May cause irritation to the respiratory system**  
**Subchronic: May be harmful if swallowed. May be harmful by breathing dusts or mists.**  
**Chronic/Carcinogenicity:**  
    **IARC: No**  
    **NTP: No**  
    **OSHA: No**  
**Teratology: None**  
**Reproduction: None**  
**Mutagenicity: None**  
**Acute Toxicity: None Expected**  
**STOT-Single Exposure: No information available**  
**STOT-Repeated Exposure: No information available**  
**Routes of Exposure: Inhalation, ingestion, skin and eye contact**

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#### **12. Ecological Information**

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**Environmental Fate: No information available**  
**Environmental Toxicity: Not classified as dangerous to the environment.**  
**Chemical Fate Information: No information available**  
**Other Adverse Effects: None known**

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#### **13. Disposal Considerations**

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**Waste Disposal Method: Dispose in accordance with Federal, State, and Local regulations.**  
**Contaminated Materials: Dispose in accordance with Federal, State, and Local regulations.**

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#### **14. Transport Information**

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**Domestic (Land, DOT), International (Water, IMO/IMDG), International (Air, ICAO)  
Road and Rail (ADR/RID), Air (ICAO/IATA), Vessel (IMO/IMDG): Not Classified**  
**UN Number: Not Applicable**  
**UN Shipping Name: Not Applicable**  
**Transport Hazard Class: Not Applicable**  
**Packing Group: Not Applicable**

**Environmental Hazards: None**  
**Marine Pollutant: None**  
**Special Precautions for User: None known**

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### **15. Regulatory Information**

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**U.S. Federal Regulations: None**  
**OSHA: None**  
**CERCLA: None**  
**SARA Hazard Category: None**  
**Section 313: Yes**

**This product has been evaluated by a toxicologist and is labeled for acute and chronic health hazards in accordance with the Labeling of Hazardous Art Materials Act and Federal Regulation 16 CFR 1500.14 of the Federal Hazardous Substances Act.**

**This product conforms to ASTM D 4236 Standard Practice for Labeling Art Materials for Chronic Adverse Health Hazards.**

**International Regulations: Not Regulated**  
**Canadian WHMIS: None**  
**Canadian Environmental Protection Act (CEPA): None**  
**EINECS: None**  
**State Regulations: Not Regulated**  
**Volatile Organic Compounds: None**

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### **16. Other Information**

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**Approved By: Ronald W. Harmon**  
**Prepared By: Ronald W. Harmon**  
**Information Contact: Ronald W. Harmon**

**Manufacturer Disclaimer:** The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Daniel Smith, Inc. assumes no responsibility for personal injury or property damage to users or third parties caused by this material.

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### Color Information

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This MSDS applies to the following Colors which are associated with Hazardous and/or Non-Hazardous ingredients.

<b>Product Color</b>	<b>Hazardous Ingredient</b>
<b>1 LB Cans</b>	
284 110 001 – Quinacridone Violet	None
284 110 002 – Alizarin Crimson	None
284 110 003 – Burnt Sienna	None
284 110 004 – Burnt Umber	None
284 110 010 – Carbazole Violet	None
284 110 011 – Cerulean Blue Hue	None
284 110 012 – Chromium Green Oxide	None
284 110 013 – Cobalt Blue Hue	None
284 110 014 – Dark Brown	None
284 110 015 – Graphite	None
284 110 016 – Indian Red	None
284 110 017 – Indigo	None
284 110 018 – Mars Violet	None
284 110 019 – Naphthol Red	None
284 110 020 – Opaque White	None
284 110 021 – Payne’s Gray	None
284 110 022 – Phthalo Blue (Green Shade)	None
284 110 023 – Phthalo Green (Yellow Shade)	None
284 110 024 – Phthalo Turquoise	None
284 110 025 – Phthalo Viridian	None
284 110 026 – Process Black	None
284 110 027 – Process Blue (Cyan)	None
284 110 028 – Process Magenta	None
284 110 029 – Process Yellow	None
284 110 030 – Prussian Blue	None
284 110 031 – Pyrrol Red	None
284 110 032 – Raw Sienna	None
284 110 033 – Raw Sienna	None
284 110 034 – Sepia	None
284 110 035 – Silver	None
284 110 036 – Transparent Base	None
284 110 037 – Ultramarine Blue	None
284 110 038 – Yellow Ochre	None
284 110 039 – Etching Yellow	None
284 110 040 – Burnt Scarlet	None
284 110 041 – Creamy French Black	None
284 110 042 – Hansa Yellow Medium	None
284 110 043 – Hansa Yellow Deep	None
284 110 044 – Indanthrone Blue	None
284 110 045 – #27 Stiff Black	None

**Product Color****Hazardous Ingredient**

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**1 LB Cans**

284 110 046 – #41 Vine Black	None
284 110 047 – #53 Traditional Organic Black	None
284 110 048 – #7 Standard Black	None
284 110 049 – #827 Artist Preferred Black	None
284 110 050 – #99 Intense Black	None
284 110 051 – Quinacridone Red	None
284 110 052 – Cascade Green	None