

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

1. Product and Company Identification

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 1ST Avenue South

PO Box 84268

Seattle, Washington 98134-2302

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

Emergency Phone: (800) 424-9300

2. Hazards Identification

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

3. Composition/Information on Ingredients

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

4. First Aid Measures

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

5. Fire Fighting Measures

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

6. Accidental Release Measures

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.

7. Handling and Storage

Handling: No special precautions required

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

8. Exposure Controls/Personal Protection

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.

9. Physical and Chemical Properties

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

10. Stability and Reactivity

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

11. Toxicological Information

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

12. Ecological Information

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

13. Disposal Considerations

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

14. Transport Information

**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

15. Regulatory Information

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

16. Other Information

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.

Color Information

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

Product Color	Hazardous Ingredient
1 LB Cans	
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**

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