

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

1. Product and Company Identification

Product Name: Daniel Smith Relief Ink (All Colors)

Brand Names: Daniel Smith Relief Inks

Product Sizes: 150 ml, 1 LB(454 grams)

Product Class: Oil Based Printing 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: Exposure may cause irritation of the eyes.

Skin: Exposure may cause irritation of the skin.

Ingestion: May be harmful if swallowed.

Inhalation: May be harmful by breathing dusts or mists. Exposure may result in shortness of breath, chest pain, chest tightness, wheezing and a cough.

Chronic (Cancer) Information: Chronic Exposure may cause damage to the kidneys or liver.

Inhalation may cause lung damage. Exposure may result in fatigue.

Teratology (Birth Defects) Information: None Known

Reproduction Information: None Known

Aggravation of Pre-Existing Conditions: Asthma, Anemia

3. Composition/Information on Ingredients

Ingredient	CAS #	PEL/TLV (MG/M3)	Max % Weight	NTP	IARC
COPPER	7440-50-8	1.00	0.0465	N	N

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: If swallowed, get prompt medical attention. Never make an unconscious person vomit or drink fluids.

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: Avoid skin and eye contact. Avoid spilling.

Storage: Keep in the original container. Store at moderate temperatures in a dry, well ventilated area.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits: None

Engineering Controls: No specific ventilation requirements

Personal Protective Equipment:

Respiratory Protection: None with normal usage. Use a NIOSH-certified mask for dusts or mists.

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: If swallowed, get prompt medical attention
Inhalation: May cause irritation to the respiratory system
Subchronic: May be harmful if swallowed. May be harmful by breathing dusts or mists.
Exposure may result in shortness of breath, chest pain, chest tightness, wheezing and a cough.
Chronic/Carcinogenicity:
IARC: No
NTP: No
OSHA: No
Teratology: None
Reproduction: None
Mutagenicity: None
Acute Toxicity: May be harmful if swallowed. May be harmful by breathing dusts or mists.
Exposure may result in shortness of breath, chest pain, chest tightness, wheezing and a cough.
STOT-Single Exposure: No information available
STOT-Repeated Exposure: No information available
Routes of Exposure: Inhalation, 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	
284 200 001 – Titanium White	None
284 200 002 – Permanent Red	None
284 200 003 – Alizarin Crimson	None
284 200 004 – Burnt Sienna	None
284 200 005 – Burnt Umber	None
284 200 006 – Carbazole Violet	None
284 200 007 – Hansa Yellow Medium	None
284 200 008 – Hansa Yellow Light	None
284 200 009 – Hansa Yellow Deep	None
284 200 011 – Mediterranean Blue	None
284 200 012 – Organic Vermilion	None
284 200 013 – Permanent Green	None
284 200 014 – Permanent Green Light	None
284 200 017 – Phthalo Blue (Red Shade)	Soluble Copper
284 200 018 – Phthalo Green (Blue Shade)	None
284 200 020 – Pyrrol Orange	None
284 200 021 – Pyrrol Red	None
284 200 023 – Raw Umber	None
284 200 024 – Silver	None
284 200 025 – Ultramarine Blue	None
284 200 026 – Venetian Red	None
284 200 027 – Yellow Ochre	None
284 200 028 – # 79 Traditional Black	None
284 200 099 – Transparent Medium	None
150 ML Tubes	
284 250 001 – #79 Traditional Black	None
284 250 002 – Burnt Umber	None
284 250 003 – Carbazole Violet	None
284 250 004 – Hansa Yellow Medium	None
284 250 005 – Permanent Green	None
284 250 006 – Permanent Red	None
284 250 007 – Phthalo Blue (Red Shade)	Soluble Copper
284 250 008 – Titanium White	None
284 250 009 – Transparent Medium	None