

MATERIAL SAFETY DATA SHEET
DANIEL SMITH, INC.
DANIEL SMITH EXTRA FINE WATERCOLORS
Date Printed: 3-19-14 Date Revised: 3-19-14

1. Product and Company Identification

Product Name: Daniel Smith Extra Fine Watercolors (All Colors)

Brand Names: Daniel Smith Extra Fine Watercolors
Daniel Smith Primatek Watercolors
Daniel Smith Luminescent Watercolors

Product Sizes: 15 ml

Product Class: Watercolors (Tube)

Recommended Use: Artistic Painting

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 itchiness of the skin with hives or eczema.

Ingestion: Exposure may cause damage to the kidneys or liver. Exposure may result in fatigue.

Inhalation: Inhalation may cause respiratory allergies, lung damage.

Chronic (Cancer) Information: Chronic Exposure may result in shortness of breath, easy fatigability and chest pain.

Teratology (Birth Defects) Information: None Known

Reproduction Information: None Known

Aggravation of Pre-Existing Conditions: Asthma, Chronic Dermatitis, Anemia, Heart Disease.

3. Composition/Information on Ingredients

Ingredient	CAS #	PEL/TLV (MG/M3)	Max % Weight	NTP	IARC
COBALT COMPOUNDS	7440-48-4	0.05	9.45	Y	Y
NICKEL COMPOUNDS	VARIES	1.00		Y	Y
COPPER	7440-50-8	1.00	11.16	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: 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: 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

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): > 100 @ 760 mm Hg

Melting Point: Not Applicable

Freezing Point (Celsius): < 0 @ 760 mm Hg

Vapor Pressure: Not Applicable

Vapor Density: As Water

Solubility in Water: Soluble
Evaporation Rate: Slower than water
Flammability (Solid, Gas): Not Applicable
Exposure: Not Applicable
 Upper Exposure Limits: Not Applicable
 Lower Exposure Limits: Not Applicable
Specific Gravity: 1.1 – 2.0
pH: 6 - 8
Odor: Neutral
Odor Threshold: None
Appearance: Colored Gum Paste
Viscosity: Flows
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, prolonged contact may produce an allergic reaction
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.
 Exposure may result in shortness of breath, chest pain, chest tightness, wheezing and a cough.
Chronic/Carcinogenicity:
 IARC: Yes (Cobalt & Nickel Colors)
 NTP: Yes (Cobalt & Nickel Colors)
 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
HMIS/NFPA Rating:
H=1
F=0
R=0
PP=H

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.

Proposition 65: The following colors contain a chemical known to the State of California to cause cancer: Cobalt Blue, Cobalt Green, Cobalt Green Pale, Cobalt Violet Cobalt Violet Deep, Cobalt Teal Blue, Cobalt Turquoise, Cobalt Blue Violet, Verditer Blue, Nickel Azo Yellow, Nickel Titanate Yellow

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	ACMI	Prop 65
284 600 003 – Lamp Black	None	AP	NO
284 600 004 – Alizarin Crimson	None	AP	NO
284 600 005 – Anthraquinoid Red	None	AP	NO
284 600 006 – Aureolin	None	AP	NO
284 600 007 – Bohemian Green Earth	None	AP	NO
284 600 008 – Bordeaux	None	AP	NO
284 600 009 – Buff Titanium	None	AP	NO
284 600 010 – Burnt Sienna	None	AP	NO
284 600 011 – Burnt Umber	None	AP	NO
284 600 019 – Carbazole Violet	None	AP	NO
284 600 020 – Carmine	None	AP	NO
284 600 021 – Cerulean Blue, Chromium	None	AP	NO
284 600 023 – Chinese White	None	AP	NO
284 600 024 – Chromium Green Oxide	None	AP	NO
284 600 025 – Cobalt Blue	Cobalt	CL	YES
284 600 026 – Cobalt Green	Cobalt	CL	YES
284 600 027 – Cobalt Green Pale	Cobalt	CL	YES
284 600 028 – Cobalt Teal Blue	Cobalt	CL	YES
284 600 029 – Cobalt Turquoise	Cobalt	CL	YES
284 600 030 – Cobalt Violet	Cobalt	CL	YES
284 600 031 – Cobalt Violet Deep	Cobalt	CL	YES
284 600 032 – Cote d’Azur Violet	None	AP	NO
284 600 033 – Deep Scarlet	None	AP	NO
284 600 034 – French Ultramarine	None	AP	NO
284 600 035 – Azurite Genuine	Copper	CL	NO
284 600 038 – Graphite Gray	None	AP	NO
284 600 039 – Hansa Yellow Medium	None	AP	NO
284 600 040 – Hansa Yellow Deep	None	AP	NO
284 600 041 – Hansa Yellow Light	None	AP	NO
284 600 042 – Hooker’s Green	None	AP	NO

Product Color	Hazardous Ingredient	ACMI	Prop 65
284 600 043 – Indanthrone Blue	None	AP	NO
284 600 044 – Indian Red	None	AP	NO
284 600 045 – Indian Yellow	None	AP	NO
284 600 046 – Indigo	None	AP	NO
284 600 047 – Italian Burnt Sienna	None	AP	NO
284 600 048 – Ivory Black	None	AP	NO
284 600 049 – Lunar Black	None	AP	NO
284 600 050 – Lunar Earth	None	AP	NO
284 600 051 – Manganese Blue Hue	None	AP	NO
284 600 054 – Mars Yellow	None	AP	NO
284 600 056 – Monte Amiata Natural Sienna	None	AP	NO
284 600 057 – Moonglow	None	AP	NO
284 600 058 – Naples Yellow	None	AP	NO
284 600 059 – Naphthamide Maroon	None	AP	NO
284 600 060 – New Gamboge	None	AP	NO
284 600 061 – Nickel Azo Yellow	Nickel	CL	YES
284 600 062 – Nickel Titanate Yellow	Nickel	CL	YES
284 600 063 – Olive Green	None	AP	NO
284 600 064 – Organic Vermilion	None	AP	NO
284 600 065 – Payne’s Gray	None	AP	NO
284 600 066 – Perinone Orange	None	AP	NO
284 600 067 – Permanent Green Light	None	AP	NO
284 600 068 – Permanent Brown	None	AP	NO
284 600 069 – Permanent Red Deep	None	AP	NO
284 600 070 – Permanent Green	None	AP	NO
284 600 071 – Permanent Orange	None	AP	NO
284 600 072 – Permanent Red	None	AP	NO
284 600 073 – Permanent Violet	None	AP	NO
284 600 074 – Perylene Maroon	None	AP	NO
284 600 075 – Perylene Red	None	AP	NO
284 600 076 – Perylene Scarlet	None	AP	NO
284 600 077 – Phthalo Blue Green Shade	None	AP	NO
284 600 078 – Phthalo Green Blue Shade	None	AP	NO
284 600 079 – Phthalo Green Yellow Shade	None	AP	NO
284 600 080 – Phthalo Turquoise	None	AP	NO
284 600 082 – Prussian Blue	None	AP	NO
284 600 084 – Pyrrol Red	None	AP	NO
284 600 085 – Pyrrol Scarlet	None	AP	NO
284 600 086 – Quinacridone Burnt Orange	None	AP	NO
284 600 087 – Quinacridone Burnt Scarlet	None	AP	NO
284 600 088 – Quinacridone Coral	None	AP	NO
284 600 089 – Quinacridone Gold	None	AP	NO
284 600 090 – Quinacridone Magenta	None	AP	NO
284 600 091 – Quinacridone Red	None	AP	NO

Product Color	Hazardous Ingredient	ACMI	Prop 65
284 600 092 – Quinacridone Rose	None	AP	NO
284 600 093 – Quinacridone Sienna	None	AP	NO
284 600 094 – Quinacridone Violet	None	AP	NO
284 600 095 – Quinacridone Pink	None	AP	NO
284 600 096 – Raw Sienna	None	AP	NO
284 600 097 – Raw Umber	None	AP	NO
284 600 098 – Raw Umber Violet	None	AP	NO
284 600 099 – Rich Green Gold	Copper	CL	NO
284 600 100 – Rose Madder Genuine	None	AP	NO
284 600 101 – Rose of Ultramarine	None	AP	NO
284 600 102 – Sap Green	None	AP	NO
284 600 103 – Sepia	None	AP	NO
284 600 104 – Terre Verte	None	AP	NO
284 600 105 – Ultramarine Turquoise	None	AP	NO
284 600 106 – Ultramarine Blue	None	AP	NO
284 600 107 – Ultramarine Red	None	AP	NO
284 600 108 – Ultramarine Violet	None	AP	NO
284 600 109 – Undersea Green	None	AP	NO
284 600 110 – Van Dyck Brown	None	AP	NO
284 600 111 – Venetian Red	None	AP	NO
284 600 112 – Viridian	None	AP	NO
284 600 114 – Yellow Ochre	None	AP	NO
284 600 115 – Cobalt Blue Violet	Cobalt	CL	YES
284 600 116 – Pompeii Red	None	AP	NO
284 600 117 – Terre Ercolano	None	AP	NO
284 600 118 – Titanium White	None	AP	NO
284 600 119 – Phthalo Blue Red Shade	None	AP	NO
284 600 121 – German Greenish Raw Umber	None	AP	NO
284 600 122 – Italian Venetian Red	None	AP	NO
284 600 123 – Verona Gold Ochre	None	AP	NO
284 600 124 – Phthalo Yellow Green	None	AP	NO
284 600 126 – Pyrrol Orange	None	AP	NO
284 600 127 – Pyrrol Crimson	None	AP	NO
284 600 128 – Prussian Green	None	AP	NO
284 600 129 – Transparent Brown Oxide	None	AP	NO
284 600 130 – Transparent Red Oxide	None	AP	NO
284 600 131 – Transparent Yellow Oxide	None	AP	NO
284 600 132 – Quinacridone Fuchsia	None	AP	NO
284 600 133 – Permanent Yellow Deep	None	AP	NO
284 600 134 – French Ochre	None	AP	NO
284 600 135 – Italian Deep Ochre	None	AP	NO
284 600 136 – English Red Ochre	None	AP	NO
284 600 137 – English Red Earth	None	AP	NO
284 600 138 – Lapis Lazuli Genuine	None	AP	NO

Product Color	Hazardous Ingredient	ACMI	Prop 65
284 600 139 – Green Gold	None	AP	NO
284 600 140 – Vivianite Genuine	None	AP	NO
284 600 141 – Lunar Red Rock	None	AP	NO
284 600 142 – Cascade Green	None	AP	NO
284 600 143 – Minnesota Pipestone Genuine	None	AP	NO
284 600 144 – Goethite (Brown Ochre)	None	AP	NO
284 600 145 – Sedona Genuine	None	AP	NO
284 600 146 – Yavapai Genuine	None	AP	NO
284 600 147 – Burgundy Yellow Ochre	None	AP	NO
284 600 148 – Potter’s Pink (Pinkcolor)	None	AP	NO
284 600 149 – Malachite Genuine	Copper	CL	NO
284 600 150 – Sleeping Beauty Turquoise Genuine	None	AP	NO
284 600 151 – Burgundy Red Ochre	None	AP	NO
284 600 152 – Quinacridone Deep Gold	None	AP	NO
284 600 154 – Bismuth Vanadate Yellow	None	AP	NO
284 600 155 – Kingman Green Turquoise Genuine	None	AP	NO
284 600 156 – Hematite Genuine	None	AP	NO
284 600 157 – Hematite Violet Genuine	None	AP	NO
284 600 158 – Hematite Burnt Scarlet Genuine	None	AP	NO
284 600 161 – Tiger’s Eye Genuine	None	AP	NO
284 600 162 – Burnt Tiger’s Eye Genuine	None	AP	NO
284 600 163 – Amazonite Genuine	None	AP	NO
284 600 164 – Purpurite Genuine	None	AP	NO
284 600 165 – Lemon Yellow	None	AP	NO
284 600 166 – Mummy Bauxite	None	AP	NO
284 600 167 – Rhodonite Genuine	None	AP	NO
284 600 169 – Fuchsite Genuine	None	AP	NO
284 600 170 – Burnt Yellow Ochre	None	AP	NO
284 600 171 – Roasted French Ochre	None	AP	NO
284 600 172 – Fired Gold Ochre	None	AP	NO
284 600 173 – Verditer Blue	Cobalt	CL	YES
284 600 174 – Imperial Purple	None	AP	NO
284 600 175 – Deep Sap Green	None	AP	NO
284 600 176 – EF Yellow Iron Oxide	None	AP	NO
284 600 177 – EF Red Iron Oxide	None	AP	NO
284 600 178 – EF Brown Iron Oxide	None	AP	NO
284 600 179 – Sodalite Genuine	None	AP	NO
284 600 180 – Zoisite Genuine	None	AP	NO
284 600 181 – Rare Green Earth	None	AP	NO
284 600 182 – Lunar Violet	None	AP	NO
284 600 183 – Lunar Blue	None	AP	NO
284 600 184 – Cadmium Yellow Medium Hue	None	AP	NO
284 600 185 – Permanent Alizarin Crimson	None	AP	NO
284 600 186 – Kyanite Genuine	None	AP	NO

Product Color	Hazardous Ingredient	ACMI	Prop 65
284 600 187 – Transparent Pyrrol Orange	None	AP	NO
284 600 188 – Shadow Violet	None	AP	NO
284 600 189 – Red Fuchsite Genuine	None	AP	NO
284 600 190 – Serpentine Genuine	None	AP	NO
284 600 191 – Piemontite Genuine	None	AP	NO
284 600 192 – Cadmium Yellow Light Hue	None	AP	NO
284 600 193 – Bloodstone Genuine	None	AP	NO
284 600 194 – Perylene Green	None	AP	NO
284 600 195 – Jadeite Genuine	None	AP	NO
284 600 196 – Blue Apatite Genuine	None	AP	NO
284 600 197 – Green Apatite Genuine	None	AP	NO
284 600 198 – Opera Pink	None	AP	NO
284 600 199 – Bronzite Genuine	None	AP	NO
284 600 200 – Sugilite Genuine	None	AP	NO
284 600 201 – Perylene Violet	None	AP	NO
284 600 202 – Smalt Genuine	None	AP	NO
284 600 203 – Amethyst Genuine	None	AP	NO
284 600 204 – Burnt Bronzite Genuine	None	AP	NO
284 600 205 – Garnet Genuine	None	AP	NO
284 600 206 – Cerulean Blue	None	AP	NO
284 600 207 – Black Tourmaline Genuine	None	AP	NO
284 600 208 – Spring Green	None	AP	NO
284 600 209 – Sicklerite Genuine	None	AP	NO
284 600 210 – Diopside Genuine	None	AP	NO
284 600 211 – Mayan Blue Genuine	None	AP	NO
284 600 212 – Mayan Yellow	None	AP	NO
284 600 213 – Mayan Dark Blue	None	AP	NO
284 600 214 – Mayan Violet	None	AP	NO
284 600 215 – Azo Yellow	None	AP	NO
284 600 216 – Mayan Orange	None	AP	NO
284 600 217 – Mayan Red	None	AP	NO
284 600 218 – Isoindoline Yellow	None	AP	NO
284 600 219 – Cadmium Red Scarlet Hue	None	AP	NO
284 600 220 – Cadmium Orange Hue	None	AP	NO
284 600 221 – Cadmium Yellow Deep Hue	None	AP	NO
284 600 222 – Cadmium Red Medium Hue	None	AP	NO
284 600 223 – Quinophthalone Yellow	None	AP	NO
284 600 224 – Anthraquinoid Scarlet	None	AP	NO
284 600 225 – Quinacridone Purple	None	AP	NO
284 600 226 – Christmas Tree Green	None	AP	NO
284 600 227 – Candy Cane Red	None	AP	NO
284 600 228 – Hot Mulled Cider Yellow	None	AP	NO
284 600 229 – Neutral Tint	None	AP	NO
284 640 001 – Interference Blue	None	AP	NO

Product Color	Hazardous Ingredient	ACMI	Prop 65
284 640 002 – Interference Copper	None	AP	NO
284 640 003 – Interference Gold	None	AP	NO
284 640 004 – Interference Green	None	AP	NO
284 640 005 – Interference Lilac	None	AP	NO
284 640 006 – Interference Red	None	AP	NO
284 640 007 – Interference Silver	None	AP	NO
284 640 008 – Iridescent Antique Bronze	None	AP	NO
284 640 009 – Iridescent Antique Copper	None	AP	NO
284 640 010 – Iridescent Antique Gold	None	AP	NO
284 640 011 – Iridescent Antique Silver	None	AP	NO
284 640 012 – Iridescent Aztec Gold	None	AP	NO
284 640 014 – Iridescent Blue Silver	None	AP	NO
284 640 015 – Iridescent Bronze	None	AP	NO
284 640 016 – Iridescent Copper	None	AP	NO
284 640 017 – Iridescent Gold	None	AP	NO
284 640 018 – Iridescent Goldstone	None	AP	NO
284 640 019 – Iridescent Jade	None	AP	NO
284 640 020 – Iridescent Russet	None	AP	NO
284 640 021 – Iridescent Scarab Red	None	AP	NO
284 640 022 – Iridescent Sunstone	None	AP	NO
284 640 023 – Iridescent Topaz	None	AP	NO
284 640 024 – Pearlescent Shimmer	None	AP	NO
284 640 025 – Pearlescent White	None	AP	NO
284 640 026 – Duochrome Mauve	None	AP	NO
284 640 027 – Iridescent Electric Blue	None	AP	NO
284 640 028 – Iridescent Garnet	None	AP	NO
284 640 029 – Duochrome Oceanic	None	AP	NO
284 640 030 – Duochrome Aquamarine	None	AP	NO
284 640 031 – Duochrome Hibiscus	None	AP	NO
284 640 032 – Iridescent Ruby	None	AP	NO
284 640 033 – Iridescent Sapphire	None	AP	NO
284 640 034 – Iridescent Moonstone	None	AP	NO
284 640 035 – Duochrome Desert Bronze	None	AP	NO
284 640 036 – Duochrome Adobe	None	AP	NO
284 640 037 – Duochrome Saguaro Green	None	AP	NO
284 640 038 – Duochrome Cactus Flower	None	AP	NO
284 640 039 – Duochrome Blue Pearl	None	AP	NO
284 640 040 – Duochrome Green Pearl	None	AP	NO
284 640 041 – Duochrome Violet Pearl	None	AP	NO
284 640 042 – Duochrome Emerald	None	AP	NO
284 640 043 – Duochrome Turquoise	None	AP	NO
284 640 044 – Duochrome Cabo Blue	None	AP	NO
284 640 045 – Duochrome Violet Fantasy	None	AP	NO
284 640 046 – Duochrome Arctic Fire	None	AP	NO

Product Color	Hazardous Ingredient	ACMI	Prop 65
284 640 047 – Duochrome Autumn Mystery	None	AP	NO
284 640 048 – Duochrome Tropic Sunrise	None	AP	NO
284 640 049 – Duochrome Lapis Sunlight	None	AP	NO