

**MATERIAL SAFETY DATA SHEET**  
**DANIEL SMITH, INC.**  
**DANIEL SMITH ORIGINAL OIL COLORS**  
**Date Printed: 3-19-14 Date Revised: 3-19-14**

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**1. Product and Company Identification**

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**Product Name:** Daniel Smith Original Oil Colors (All Colors)  
**Brand Names:** Daniel Smith Original Oil Colors  
Daniel Smith Primatek Oil Colors  
Daniel Smith Luminescent Oil Colors  
**Product Sizes:** 37 ml, 150 ml, Pint(473 ml), Quart(946 ml), Gallon(3,785 ml)  
**Product Class:** Oil Colors (Tube)  
**Recommended Use:** Artistic Painting  
**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:** 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.

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**3. Composition/Information on Ingredients**

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| <b>Ingredient</b> | <b>CAS #</b> | <b>PEL/TLV<br/>(MG/M3)</b> | <b>Max<br/>% Weight</b> | <b>NTP</b> | <b>IARC</b> |
|-------------------|--------------|----------------------------|-------------------------|------------|-------------|
| COBALT            | 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           |

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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:** Avoid skin and eye contact. Avoid spilling.

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

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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: Does Not 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, 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**

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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.**

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

**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.

| Product Color                         | Hazardous Ingredient | ACMI | Prop 65 |
|---------------------------------------|----------------------|------|---------|
| 284 300 001 – Alizarin Crimson        | None                 | AP   | NO      |
| 284 300 002 – Burnt Sienna            | None                 | AP   | NO      |
| 284 300 003 – Burnt Umber             | None                 | AP   | NO      |
| 284 300 004 – Carbazole Violet        | None                 | AP   | NO      |
| 284 300 005 – Cerulean Blue, Chromium | None                 | AP   | NO      |
| 284 300 006 – Cobalt Teal Blue        | Cobalt               | CL   | YES     |
| 284 300 007 – Hansa Yellow Light      | None                 | AP   | NO      |
| 284 300 008 – Anthraquinoid Red       | None                 | AP   | NO      |
| 284 300 009 – Azo Yellow              | None                 | AP   | NO      |
| 284 300 010 – Bordeaux                | None                 | AP   | NO      |
| 284 300 011 – Brown Ochre             | None                 | AP   | NO      |
| 284 300 012 – Buff Titanium           | None                 | AP   | NO      |
| 284 300 021 – Cobalt Green Deep       | Cobalt               | CL   | YES     |
| 284 300 022 – Cobalt Green Pale       | Cobalt               | CL   | YES     |
| 284 300 023 – Cobalt Yellow           | Cobalt               | CL   | YES     |
| 284 300 024 – Chromium Green Oxide    | None                 | AP   | NO      |
| 284 300 025 – Cobalt Blue             | Cobalt               | CL   | YES     |
| 284 300 026 – Cobalt Turquoise        | Cobalt               | CL   | YES     |
| 284 300 027 – Cobalt Violet Deep      | Cobalt               | CL   | YES     |
| 284 300 028 – Cobalt Violet Light     | Cobalt               | CL   | YES     |
| 284 300 029 – French Ultramarine      | None                 | AP   | NO      |
| 284 300 030 – Graphite Gray           | None                 | AP   | NO      |
| 284 300 031 – Hansa Yellow Deep       | None                 | AP   | NO      |
| 284 300 032 – Hansa Yellow Medium     | None                 | AP   | NO      |
| 284 300 033 – Indanthrone Blue        | None                 | AP   | NO      |
| 284 300 034 – Indian Red              | None                 | AP   | NO      |
| 284 300 035 – Indian Yellow           | None                 | AP   | NO      |
| 284 300 036 – Indigo                  | None                 | AP   | NO      |
| 284 300 037 – Ivory Black             | None                 | AP   | NO      |
| 284 300 038 – Lamp Black              | None                 | AP   | NO      |
| 284 300 039 – Light Blue Violet       | None                 | AP   | NO      |
| 284 300 040 – Magnesium Ferrite       | None                 | AP   | NO      |
| 284 300 041 – Mars Black              | None                 | AP   | NO      |
| 284 300 042 – Mars Violet             | None                 | AP   | NO      |
| 284 300 043 – Mediterranean Blue      | None                 | AP   | NO      |

| <b>Product Color</b>                     | <b>Hazardous Ingredient</b> | <b>ACMI</b> | <b>Prop 65</b> |
|--|-----------------------------|-------------|----------------|
| 284 300 044 – Mixed White                | None                        | AP          | NO             |
| 284 300 045 – Moonglow                   | None                        | AP          | NO             |
| 284 300 046 – Naples Yellow              | None                        | AP          | NO             |
| 284 300 047 – Natural Yellow Ochre       | None                        | AP          | NO             |
| 284 300 048 – Nickel Titanate Yellow     | Nickel                      | CL          | YES            |
| 284 300 049 – Naphthamide Maroon         | None                        | AP          | NO             |
| 284 300 050 – Olive Green                | None                        | AP          | NO             |
| 284 300 051 – Organic Vermilion          | None                        | AP          | NO             |
| 284 300 052 – Payne’s Gray               | None                        | AP          | NO             |
| 284 300 053 – Perinone Orange            | None                        | AP          | NO             |
| 284 300 054 – Permanent Blue             | None                        | AP          | NO             |
| 284 300 055 – Permanent Green            | None                        | AP          | NO             |
| 284 300 056 – Permanent Green Light      | None                        | AP          | NO             |
| 284 300 057 – Permanent Orange           | None                        | AP          | NO             |
| 284 300 058 – Permanent Red Deep         | None                        | AP          | NO             |
| 284 300 059 – Permanent Red              | None                        | AP          | NO             |
| 284 300 060 – Phthalo Green Yellow Shade | None                        | AP          | NO             |
| 284 300 061 – Phthalo Blue Red Shade     | None                        | AP          | NO             |
| 284 300 062 – Phthalo Green Blue Shade   | None                        | AP          | NO             |
| 284 300 063 – Phthalo Turquoise          | None                        | AP          | NO             |
| 284 300 064 – Prussian Blue              | None                        | AP          | NO             |
| 284 300 065 – Perylene Maroon            | None                        | AP          | NO             |
| 284 300 066 – Perylene Scarlet           | None                        | AP          | NO             |
| 284 300 067 – Pyrrol Red                 | None                        | AP          | NO             |
| 284 300 068 – Quinacridone Burnt Scarlet | None                        | AP          | NO             |
| 284 300 070 – Quinacridone Coral         | None                        | AP          | NO             |
| 284 300 071 – Quinacridone Magenta       | None                        | AP          | NO             |
| 284 300 072 – Quinacridone Red           | None                        | AP          | NO             |
| 284 300 073 – Quinacridone Rose          | None                        | AP          | NO             |
| 284 300 074 – Quinacridone Violet        | None                        | AP          | NO             |
| 284 300 075 – Raw Sienna                 | None                        | AP          | NO             |
| 284 300 076 – Raw Umber Violet           | None                        | AP          | NO             |
| 284 300 077 – Raw Umber                  | None                        | AP          | NO             |
| 284 300 078 – Sap Green                  | None                        | AP          | NO             |
| 284 300 079 – Sepia                      | None                        | AP          | NO             |
| 284 300 081 – Terre Verte                | None                        | AP          | NO             |
| 284 300 082 – Titanium White             | None                        | AP          | NO             |
| 284 300 083 – Ultramarine Blue Deep      | None                        | AP          | NO             |
| 284 300 084 – Ultramarine Violet         | None                        | AP          | NO             |
| 284 300 085 – Van Dyck Brown             | None                        | AP          | NO             |
| 284 300 086 – Venetian Red               | None                        | AP          | NO             |
| 284 300 087 – Viridian                   | None                        | AP          | NO             |
| 284 300 088 – Yellow Ochre Light         | None                        | AP          | NO             |

| <b>Product Color</b>                            | <b>Hazardous Ingredient</b> | <b>ACMI</b> | <b>Prop 65</b> |
|---|-----------------------------|-------------|----------------|
| 284 300 089 – Zinc White                        | None                        | AP          | NO             |
| 284 300 090 – Pyrrol Scarlet                    | None                        | AP          | NO             |
| 284 300 091 – Quinacridone Burnt Orange         | None                        | AP          | NO             |
| 284 300 092 – Quinacridone Gold                 | None                        | AP          | NO             |
| 284 300 093 – Quinizarin Maroon                 | None                        | AP          | NO             |
| 284 300 094 – Rich Green Gold                   | Copper                      | CL          | NO             |
| 284 300 095 – Yellow Ochre                      | None                        | AP          | NO             |
| 284 300 096 – Quinacridone Sienna               | None                        | AP          | NO             |
| 284 300 097 – Terre Ercolano                    | None                        | AP          | NO             |
| 284 300 098 – Verona Gold Ochre                 | None                        | AP          | NO             |
| 284 300 099 – Hooker’s Green                    | None                        | AP          | NO             |
| 284 300 100 – Phthalo Blue Green Shade          | None                        | AP          | NO             |
| 284 300 101 – Manganese Violet                  | None                        | AP          | NO             |
| 284 300 102 – Lapis Lazuli Genuine              | None                        | AP          | NO             |
| 284 300 103 – Green Gold                        | None                        | AP          | NO             |
| 284 300 104 – Manganese Blue Hue                | None                        | AP          | NO             |
| 284 300 105 – Quinacridone Pink                 | None                        | AP          | NO             |
| 284 300 106 – Potter’s Pink                     | None                        | AP          | NO             |
| 284 300 107 – Transparent Yellow Oxide          | None                        | AP          | NO             |
| 284 300 108 – Nickel Azo Yellow                 | Nickel                      | CL          | YES            |
| 284 300 109 – Minnesota Pipestone               | None                        | AP          | NO             |
| 284 300 110 – Malachite Genuine                 | Copper                      | CL          | NO             |
| 284 300 111 – Cascade Green                     | None                        | AP          | NO             |
| 284 300 112 – Burgundy Yellow Ochre             | None                        | AP          | NO             |
| 284 300 113 – Burgundy Red Ochre                | None                        | AP          | NO             |
| 284 300 114 – Bismuth Vanadate Yellow           | None                        | AP          | NO             |
| 284 300 115 – Sleeping Beauty Turquoise Genuine | None                        | AP          | NO             |
| 284 300 116 – Sedona Genuine                    | None                        | AP          | NO             |
| 284 300 117 – Lemon Yellow                      | None                        | AP          | NO             |
| 284 300 118 – Amazonite Genuine                 | None                        | AP          | NO             |
| 284 300 119 – Tiger’s Eye Genuine               | None                        | AP          | NO             |
| 284 300 120 – Burnt Tiger’s Eye Genuine         | None                        | AP          | NO             |
| 284 300 121 – Purpurite Genuine                 | Manganese                   | CL          | NO             |
| 284 300 122 – Rhodonite Genuine                 | None                        | AP          | NO             |
| 284 300 123 – Quinacridone Fuchsia              | None                        | AP          | NO             |
| 284 300 124 – Burnt Yellow Ochre                | None                        | AP          | NO             |
| 284 300 125 – Transparent Red Oxide             | None                        | AP          | NO             |
| 284 300 126 – Hematite Genuine                  | None                        | AP          | NO             |
| 284 300 127 – Pyrrol Orange                     | None                        | AP          | NO             |
| 284 300 128 – Transparent Brown Oxide           | None                        | AP          | NO             |
| 284 300 129 – Cadmium Yellow Light Hue          | None                        | AP          | NO             |
| 284 300 130 – Pyrrol Crimson                    | None                        | AP          | NO             |
| 284 300 131 – Enviro-Friendly Red Iron Oxide    | None                        | AP          | NO             |

| <b>Product Color</b>                            | <b>Hazardous Ingredient</b> | <b>ACMI</b> | <b>Prop 65</b> |
|---|-----------------------------|-------------|----------------|
| 284 300 132 – Enviro-Friendly Yellow Iron Oxide | None                        | AP          | NO             |
| 284 300 133 – Enviro-Friendly Brown Iron Oxide  | None                        | AP          | NO             |
| 284 300 134 – Transparent Earth Orange          | None                        | AP          | NO             |
| 284 300 135 – Naphthol Scarlet                  | None                        | AP          | NO             |
| 284 300 136 – Asphaltum                         | None                        | AP          | NO             |
| 284 300 137 – Permanent Alizarin Crimson        | None                        | AP          | NO             |
| 284 300 138 – Cadmium Yellow Medium Hue         | None                        | AP          | NO             |
| 284 300 139 – Cadmium Red Scarlet Hue           | None                        | AP          | NO             |
| 284 300 140 – Cadmium Orange Hue                | None                        | AP          | NO             |
| 284 300 141 – Cadmium Green Hue                 | None                        | AP          | NO             |
| 284 300 142 – Caucasian Flesh Tone              | None                        | AP          | NO             |
| 284 300 143 – Transparent Orange                | None                        | AP          | NO             |
| 284 300 144 – Cadmium Red Medium Hue            | None                        | AP          | NO             |
| 284 300 145 – Quinacridone Purple               | None                        | AP          | NO             |
| 284 340 001 – Interference Blue                 | None                        | AP          | NO             |
| 284 340 002 – Interference Copper               | None                        | AP          | NO             |
| 284 340 003 – Interference Gold                 | None                        | AP          | NO             |
| 284 340 004 – Interference Green                | None                        | AP          | NO             |
| 284 340 005 – Interference Lilac                | None                        | AP          | NO             |
| 284 340 006 – Interference Red                  | None                        | AP          | NO             |
| 284 340 007 – Interference Silver               | None                        | AP          | NO             |
| 284 340 008 – Iridescent Antique Bronze         | None                        | AP          | NO             |
| 284 340 009 – Iridescent Antique Copper         | None                        | AP          | NO             |
| 284 340 010 – Iridescent Antique Gold           | None                        | AP          | NO             |
| 284 340 011 – Iridescent Antique Silver         | None                        | AP          | NO             |
| 284 340 012 – Iridescent Blue                   | None                        | AP          | NO             |
| 284 340 013 – Iridescent Brass                  | None                        | AP          | NO             |
| 284 340 014 – Iridescent Bronze                 | None                        | AP          | NO             |
| 284 340 015 – Iridescent Bright Green           | None                        | AP          | NO             |
| 284 340 016 – Iridescent Copper                 | None                        | AP          | NO             |
| 284 340 017 – Iridescent Gold                   | None                        | AP          | NO             |
| 284 340 018 – Iridescent Green                  | None                        | AP          | NO             |
| 284 340 019 – Iridescent Magenta                | None                        | AP          | NO             |
| 284 340 020 – Iridescent Maroon                 | None                        | AP          | NO             |
| 284 340 021 – Iridescent Red                    | None                        | AP          | NO             |
| 284 340 022 – Iridescent Russet                 | None                        | AP          | NO             |
| 284 340 023 – Iridescent Scarab Red             | None                        | AP          | NO             |
| 284 340 024 – Iridescent Turquoise              | None                        | AP          | NO             |
| 284 340 025 – Iridescent Violet                 | None                        | AP          | NO             |
| 284 340 027 – Metallic German Silver            | None                        | AP          | NO             |
| 284 340 028 – Metallic Graphite                 | None                        | AP          | NO             |
| 284 340 029 – Metallic Palegold                 | None                        | AP          | NO             |
| 284 340 030 – Metallic Richgold                 | None                        | AP          | NO             |



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|--|-----------------------------|-------------|----------------|
| 284 340 031 – Metallic Silver          | None                        | AP          | NO             |
| 284 340 032 – Pearlescent Black        | None                        | AP          | NO             |
| 284 340 033 – Pearlescent Shimmer      | None                        | AP          | NO             |
| 284 340 034 – Pearlescent White        | None                        | AP          | NO             |
| 284 340 035 – Iridescent Electric Blue | None                        | AP          | NO             |
| 284 340 036 – Duochrome Aquamarine     | None                        | AP          | NO             |
| 284 340 037 – Duochrome Saguaro Green  | None                        | AP          | NO             |
| 284 370 002 – Transparent Blender      | None                        | AP          | NO             |