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GOLDEN ARTIST COLORS

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Material Safety Data Sheet (G1)

SECTION I - PRODUCT IDENTIFICATION

MSDS Date: 3/20/06

Table with 2 columns: PAINTS and Hazardous Ingredients (Sec II). Lists Golden Fluid Acrylics, Golden Airbrush Colors, Golden Matte Fluid Acrylics, and Golden High Load Acrylics.

Table with 2 columns: MEDIUMS and Hazardous Ingredients (Sec II). Lists Golden Mediums & Molding Pastes, Golden Mediums, Golden Additives, Golden Gessos & Grounds, Golden Varnishes, and Golden Acrylic Glazing Liquid.

COLORS	COLOR	Hazardous Ingredients (Sec II)	COLOR	Hazardous Ingredients (Sec II)
		Anthraquinone Blue	-	Mars Black
	Aurolein Yellow Hue	20	Medium Magenta	26
	Bone Black	-	Micaceous Iron Oxide	20
	Bright Red Orange	-	Naples Yellow Hue	20, 26
	Burnt Sienna	18, 20	Nickel Azo Yellow	21.5, 23
	Burnt Umber, Burnt Umber Light	18, 20, 21	Paynes Gray	12
	Cadmium Yellow Medium Hue	4, 23	Permanent Green Dark	17
	Carbon Black	12	Phosphorescent Colors (All)	27
	Cerulean Blue Deep	13, 16	Phthalo Blue Red Shade	17
	Chrome Oxide Green	13	Phthalo Green Yellow Shade	17
	C.P. Cadmium Red (all)	5, 7, 8, 10	Primary Magenta	5, 18
	C.P. Cadmium Yellow Primrose	5, 9	Prussian Blue Hue	17
	Cobalt Blue	16	Quinacridone Burnt Orange	11, 25
	Cobalt Green	13, 16	Quinacridone Gold	-
	Cobalt Titanate Green	4, 16, 23	Quinacridone Red	21
	Cobalt Violet Hue	27	Quinacridone Violet	-
	Dialylide Yellow	-	Raw Sienna Hue	-
	Fluorescent Colors (all)	-	Raw Umber Hue	12
	Green Gold	5.5, 23	Sap Green Hue	12, 17, 20, 23
	Hookers Green Hue (Airbrush)	12, 17	Small Hue	12
	Indian Yellow Hue	23	Terra Verde Hue	18
	Indescent Black Mica Flake	22	Titan Buff	18, 26
	Indescent Bronze	5, 17, 20, 22	Titanium White	2, 3, 26
	Indescent Copper (all)	20, 22	Transparent Yellow Iron Oxide	20
	Indescent Copper Light (all)	20, 22	Ultra-Magenta Hue	5, 17
	Indescent Gold Deep	20, 22, 26	Ultramarine Blue	17, 26
	Indescent Pearl (and Coarse)	22, 26	Ultramarine Violet	-
	Indescent Silver	19, 22, 26	Vat Orange	-
	Jenkins Green	5.5, 17, 23	Vindian Green Hue	18, 23, 27
	Light Green (Yellow Shade)	26	Yellow Oxide	20
	Light Turquoise (Phthalo)	17, 26		
	Light Violet	26		

SECTION II – HAZARDOUS INGREDIENTS

1	Alumina	1344-28-1	10 mg/m ³
2	Aluminum Hydroxide	1344-28-1	10 mg/m ³
2.5	Aluminum Oxide	1344-28-1	10 mg/m ³
3	Amorphous Silica	1333-86-4	3.5 mg/m ³
4	Antimony and Compounds	7440-36-0	.5 mg/m ³
5	Barium Sulfate	7727-43-7	10 mg/m ³
5.5	Barium, Soluble Compounds	7440-39-3	.5 mg/m ³
6	Basic Nickel Carbonate	12007-90-7	1 mg/m ³
7	Cadmium Sulfide	1306-23-6	.5 µg/m ³
8	Cadmium Sulfide	1306-23-6	.5 µg/m ³
9	Cadmium Zinc Sulfide	12442-27-2	.5 µg/m ³
10	Cadmium Sulfoselenide	58339-34-7	.5 µg/m ³
11	Calcium Resinate	9007-13-0	-
12	Carbon Black	1333-86-4	3.5 mg/m ³
13	Chromium (III) Compounds	Varies	.5 mg/m ³
14	Chromium Metal	7440-47-3	1 mg/m ³
16	Cobalt Compounds	Varies	-
17	Copper	7440-50-8	1 mg/m ³
18	Crystalline Silica	14464-46-1	.05 mg/m ³
19	Graphite (natural)	7782-42-5	2.5 mg/m ³
20	Iron Oxide	1309-37-1	10 mg/m ³
21	Manganese Compounds (as Mn)	7439-96-5	5 mg/m ³ (ceiling)
21.5	Melamine	108-78-1	-
22	Mica	12001-26-2	3 mg/m ³
23	Nickel, metal and compounds	Varies	1 mg/m ³
24	Quaternary Ammonium Salt	1112-02-7	-
25	Quinacridonequinone	1503-48-6	-
26	Titanium Dioxide	13463-67-7	10 mg/m ³
27	Zinc Oxide	1314-13-2	10 mg/m ³
28	Zinc Sulfide	1314-98-3	2.5 mg/m ³
29	Propylene Glycol	57-55-6	-
32	Ammonia	7664-41-7	35 ppm (STEL)
33	Calcium Carbonate	1317-65-3	15mg/m ³
34	Talc	14807-95-6	2 g/m ³
35	Dipropylene Glycol monobutyl Ether	29911-28-3	-

SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point:	>100 C	Specific Gravity:	1.0 – 2.2
Vapor Density:	Heavier than air	Evaporation Rate:	Slower than ether
V.O.C (max g/L):	<u>Actual</u>	<u>Less Water</u>	
Heavy Body Colors	126	281	
Fluid Acrylic Colors	110	254	
Golden Glaze Colors	332	700	
Acrylic Glazing Liquid	340	700	

Solubility in H₂O: Dilutable
 Appearance and Odor: Appearance will vary widely due to pigments, as will viscosity depending on type of paint. Odor will be a slight ammonia odor, if any.

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A Method Used: N/A
 Flammable Limits: Lower: N/A Upper: N/A
 Extinguishing Media: Foam, Carbon Dioxide, Dry Chemical, Water Spray

Special Firefighting Procedures:
 Wear self-contained breathing apparatus and full protective gear.

Unusual Fire and Explosion Hazards:
 Decomposition and combustion products may be toxic. Material can splatter above 100 C. Dried paint film can support combustion.

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SECTION V – REACTIVITY DATA

Stability:	Stable
Conditions to avoid:	None known
Incompatibility:	May react with strong oxidizers
Hazardous Decomposition Products:	Thermal decomposition will yield oxides of carbon and nitrogen and monomer fume. Payne's Gray, Ultramarine Blue, Ultramarine Violet may react with acids to form flammable and toxic hydrogen sulfide. Cadmium pigments may react with acids to form hydrogen sulfide and selenide gases and toxic cadmium salts in solution. If cadmium colors are heated to above 800 C, decomposition will yield toxic fumes of cadmium oxide, zinc oxide, sulfur dioxide and selenium dioxide.
Hazardous Polymerization	Will not occur.

SECTION VI – HEALTH HAZARD DATA**Inhalation Health Risks and Symptoms of Exposure:**

Exposure to excessive concentrations of dust (dry pigment or sanding) may cause irritation of the upper respiratory tract. Chronic health effects may result from inhalation of high levels of any nuisance dust of long periods of time making lungs more susceptible to respiratory diseases. Irritation of nose, throat, and lungs is associated with exposure to high levels of ammonia.

Eye Contact Health Risks and Symptoms of Exposure:

May cause eye irritation. Absorbent ground may be particularly irritating to the eyes.

Skin Contact Health Risks and Symptoms of Exposure:

Prolonged or repeated contact can cause irritation.

Ingestion Health Risks and Symptoms of Exposure:

May cause irritation or pain to the gastrointestinal system. Chronic ingestion of dispersions may cause kidney or CNS damage.

Carcinogenicity: Ingredients of some colors may be linked to a carcinogenic response in animal tests or epidemiological data.

ADDITIONAL HAZARDS

Amorphous Silica – Slight skin and mild eye irritant in animal tests

Cadmium – **WARNING: DO NOT SPRAY APPLY.** This product contains cadmium, a chemical known to the State of California to cause cancer by means of inhalation. Cadmium compounds are classified by the IARC as probable human carcinogens. OSHA also classifies these compounds as causing kidney and lung disease.

Carbon Black – **WARNING:** This product contains a chemical known to the State of California to cause cancer. IARC classification of Group 2B, possibly carcinogenic to humans.

Cerulean Blue – Skin contact may cause allergic sensitization. Ingestion may cause systemic toxicity.

Crystalline Silica – **WARNING:** This product contains a chemical known to the State of California to cause cancer. Considered a carcinogen through inhalation overexposure. Also a known cause of silicosis, a noncancerous lung disease.

Cobalt Compounds - Individuals hypersensitive to Cobalt may develop asthma, bronchitis, or shortness of breath. May cause skin sensitization. **WARNING:** This product contains a chemical known to the State of California to cause cancer.

Chromium - Chromium and some of its compounds are considered carcinogenic, both in animals and humans. Evidence of Chromium (III) compound carcinogenicity is inconclusive. **WARNING:** This product contains a chemical known to the State of California to cause cancer

Manganese - Overexposure may affect the Central Nervous System and lungs, resulting in transitory psychosis, tiredness, weakness and pneumonitis. May aggravate preexisting neuralgic conditions.

Melamina - Acute exposure may cause eye or respiratory irritation. Chronic feeding studies in male rats resulted in transitional-cell carcinomas.

Mica - Can cause slight lung fibrosis and pneumoconiosis.

Nickel, metal and compounds - **WARNING:** This product contains a chemical known to the State of California to cause cancer. IARC and NTP also state there is sufficient evidence of carcinogenicity in experimental animals and humans. Ingestion may result in damage to the testes.

Quinacridones - Overexposure may cause dermatitis. Pigment contains a compound found to be a skin, eye and respiratory irritant.

Zinc - **WARNING: DO NOT SPRAY APPLY.** This product contains lead and cadmium, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Overexposure may result in fever, chills, muscular pain or nausea.

Medical Conditions Generally Aggravated by Exposure:

Pre-existing skin, eye, or respiratory conditions may be aggravated by exposure

Emergency and First Aid Procedures:

Eye Contact	Flush with water for 15 minutes. If symptoms persist seek medical attention
Skin Contact	Wash with soap and water. Remove contaminated clothing. Seek medical attention for irritation.
Inhalation	Remove subject to fresh air. Give artificial respiration if breathing has stopped. Seek medical attention.
Ingestion	If swallowed, dilute by giving 2 or more glasses of water to drink ONLY IF CONSCIOUS! Seek medical attention.

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SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case of Release or Spill :	Avoid excessive inhalation and skin contact. Contain spilled material. Avoid sweeping dry pigment, use vacuum or wet procedures.
Waste Disposal Method:	Dispose of in accordance with federal, state, and local regulation.
Precautions to be Taken in Handling and Storage:	Avoid inhalation and skin contact

SECTION VIII – CONTROL MEASURES

Respiratory Protection	In dusty conditions, as occur when handling dry pigments, sanding or spray applying, use a NIOSH approved dust/mist respirator
Ventilation	None required under normal use. When using large amounts, adequate ventilation is recommended (e.g. window exhaust fan).
Protective Gloves	None required under normal use. For techniques requiring continual hand exposure, gloves are recommended.
Other Protective Equipment	Safety glasses with splash protection or goggles
Work / Hygiene Practices	Use safe handling practices. Do not eat, drink or smoke when working with materials. Avoid excessive skin contact. Wash after using materials. Keep material from children.

SECTION IX – TRANSPORTATION INFORMATION

"GOLDEN Acrylics", "GOLDEN Fluid Acrylics", "GOLDEN Matte Acrylics", "GOLDEN High Load Acrylics", "GOLDEN Airbrush Colors", "GOLDEN GAC" products and "GOLDEN Gel Mediums" are water-based acrylic paints and mediums which are not "Dangerous Goods" as classified in the International Air Transport Association's (IATA) Dangerous Goods Regulations. They are not flammable (as described in Class 3 or Class 4 criteria), poisonous or corrosive, nor do they fall within any other class description of "Dangerous Goods".

A "UN NUMBER" does not apply to these materials because such numbers are assigned only to "Dangerous Goods" by the United Nations Committee of Experts on the Transport of Dangerous Goods.

SECTION X – ADDITIONAL INFORMATION AND PRECAUTIONS

While Golden Artist Colors, Inc. believes the data set forth herein is accurate as of the date hereof, Golden Artist Colors, Inc. makes no warranty with respect to the accuracy of this date and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation, and verification.