

MATERIAL SAFETY DATA SHEET

SECTION 1 – COMPANY AND PRODUCT IDENTIFICATION

Golden Artist Colors, Inc.
188 Bell Road
New Berlin, NY 13411

Date Revised: 2/6/2015
Phone: (607)847-6154
Prepared by: Ben Gavett

WILLIAMSBURG[®] OIL COLORS

**HAZARDOUS
COMPONENTS
(See Sec. 3)**

Item #	Description	
<u>Linseed</u>		
<u>Safflower</u>		
6000684	Alizarin Crimson	-
6000534	Alizarin Orange	-
6000514	Alizarin Yellow	24
6001021	Bohemian Green Earth	24,33
6001022	Bohemian Green Earth	19,24,33,35
6000202	Brilliant Yellow Extra Pale	33
6000212	Brilliant Yellow Pale	33,34
6001561	Brown Ochre	3,20,24,25
6001484	Brown Pink	24
6001631	Brown Umber	13,20,24
6001521	Burnt Sienna	20,24
6001661	Burnt Umber	20,24
6001186	Cadmium Green	12,14
6001146	Cadmium Green Light	12,14
6000246	Cadmium Lemon	12
6000546	Cadmium Orange	12
6000658	Cadmium Purple	12
6000647	Cadmium Red Deep	12
6000587	Cadmium Red Light	12
6000607	Cadmium Red Medium	12
6000657	Cadmium Red Purple	12
6000597	Cadmium Red Vermilion	12
6000406	Cadmium Yellow Deep	12
6000416	Cadmium Yellow Extra Deep	12
6000286	Cadmium Yellow Light	12
6000366	Cadmium Yellow Medium	12
6000658	Cadmium Purple	12

6000744	Canton Rose	24,33,34
6000685	Carl's Crimson (Permanent)	-
6000848	Cerulean Blue (Genuine)	3,14,18,32.5
6000857, 6003857	Cerulean Blue French	14,18
6001223	Chromium Oxide	14
6001153	Cinnabar Green Light	3
6000927	Cobalt Blue	18
6000937	Cobalt Blue Deep	18
6001250	Cobalt Green	18
6000787	Cobalt Teal	18
6000817	Cobalt Teal Deep	18
6000907	Cobalt Turquoise Bluish	18
6000887	Cobalt Turquoise Greenish	14,18
6000748	Cobalt Violet Deep	18
6000728, 6003728	Cobalt Violet Light	18
6000508	Cobalt Yellow	18
6001732	Cold Black	3,13
6001323	Courbet Green	20,24
6001512	Cyprus Orange	20,24
6001701	Davy's Grey Deep	20
6000724	Dianthus Pink	33
6001494	Dutch Brown (Transparent)	24
6001122	Earth Green	20,24
6000805	Egyptian Violet	-
6000624	Fanchon Red	-
6000104, 6003104	Flake White	SEE WILLIAMSBURG LEAD MSDS
6001792	German Earth	20,24
6001702	Graphite Grey	20,23
6000518	Green Gold	19
6000985	Indanthrone Blue	-
6000524	Indian Yellow	-
6001043	Indigo	20,24
6001782	Intense Black	13,20,24
6001474	Italian Pink	24
6001721	Ivory Black	13
6000463	Jaune Brilliant	24,33,34
6000813	King's Blue	3,33,34
6001761	Lamp Black	13
6000704	Manganese Violet	25
6001742	Mars Black	24
6001382	Mars Orange	24
6001383	Mars Orange Deep	24
6001422	Mars Red	24
6001402	Mars Red Light	24
6001442	Mars Violet	24

6001362	Mars Yellow Deep	24
6001342	Mars Yellow Light	24
6000584	Montserrat Orange	33,34
6000442	Naples Yellow	24,33,34
6000461	Naples Yellow Italian	12,14
6000462	Naples Yellow Italian	14
6000422	Naples Yellow Reddish	24,33,34
6001912	Neutral Gray N2	13,24,33
6001914	Neutral Gray N4	13,24,33
6001916	Neutral Gray N6	13,24,33
6001918	Neutral Gray N8	13,33
6000224	Nickel Yellow	28
6000323	Olive Green	19,24
6001703	Payne's Grey	3,13
6001063	Payne's Grey (Violet)	3,24
6000687	Permanent Crimson	-
6001263	Permanent Green	19
6001163	Permanent Green Light	19
6000263	Permanent Lemon	33
6000543	Permanent Orange	-
6000563	Permanent Red-Orange	-
6000423	Permanent Yellow Deep	-
6000303	Permanent Yellow Light	33
6000383	Permanent Yellow Medium	-
6000714	Persian Rose	33,34
6000686	Perylene Crimson	-
6001004	Phthalo Blue	19
6001284	Phthalo Green	19
6001264	Phthalo Green-Yellowish	19
6001024	Phthalo Turquoise	19
6003103	Porcelain White	7, 35
6000754	Provence Violet Bluish	33,34
6000734	Provence Violet Reddish	33,34
6000982	Prussian Blue	24
6000875	Quinacridone Gold Brown	-
6000775	Quinacridone Magenta	-
6000665	Quinacridone Red	-
6000785	Quinacridone Violet	-
6001501	Raw Sienna	20,24
6001621	Raw Umber	13,20,24
6001581	Red Ochre	3,20,24,25
6001671	Red Umber	20,24
6001304	Sap Green	24
6000823	Sevres Blue	33,34
6000114, 6003114	Silver White	SEE WILLIAMSBURG LEAD MSDS

6001691	Slate Black	20
6001601	Spanish Earth	3,20,24,25
6001464	Stil De Grain	24
6000121, 6003121	Titanium - Zinc White	3,33,34
6000101, 6003101	Titanium White	3,33
6001923	Transparent Brown Iron Oxide	24
6001921	Transparent Orange Iron Oxide	24
6001922	Transparent Red Iron Oxide	24
6001920	Transparent Yellow Iron Oxide	24
6001641	Turkey Umber	19,24
6000863	Turquoise	19,33,34
6000942, 6003942	Ultramarine Blue	3
6000962, 6003962	Ultramarine Blue French	3
6000774, 6003774	Ultramarine Pink	3
6000764, 6003764	Ultramarine Violet	3
6000181	Unbleached Titanium	24,33
6000191	Unbleached Titanium Pale	33
6001681	Van Dyke Brown	24
6001103	Veronese Green	19,33
6001245	Viridian	14
6001401	Yellow Ochre (Domestic)	20,24,27,33
6001541	Yellow Ochre Burnt	20,24
6000161	Zinc Buff	33,34
6000162	Zinc Buff Yellowish	34
6000163	Zinc Buff Yellow	11,28,34
6000141	Zinc White	34

French Earth Colors

6000050, 6003050	French Ardoise Gray	24,24.5
6000044	French Brown Ochre	3,20,24
6000045	French Burnt Umber	3,20,24
6000048	French Cassel Earth	3,20,24
6000049	French Noir Indien	3,20,24
6000043	French Rouge Indien	24
6000046	French Burnt Ochre	3,20,24
6000042	French Ochre Havane	3,20,24
6000041	French Raw Sienna	3,20,24
6000047	French Raw Umber	3,20,24
6000051	French Light Sienna	3,20,24
6000052	French Terre Verte	3,20,24,33
6000040	French Yellow Ochre Deep	3,20,24

Native Italian Earth Colors

6000022	Italian Black Roman Earth	13,20,24
---------	---------------------------	----------

6000023	Italian Burnt Sienna	20,24
6000017	Italian Green Ochre	20,24
6000014	Italian Lemon Ochre	20,24
6000016	Italian Orange Ochre	20,24
6000018	Italian Pompeii Red	20,24
6000020	Italian Pozzuoli Earth	20,24
6000024	Italian Raw Sienna	20,24
6000025	Italian Raw Umber	20,24
6000019	Italian Rosso Veneto	20,24
6000021	Italian Terra Rosa	20,24
6000013, 6003013	Italian Terra Verte	20,24
6000015	Italian Yellow Ochre	20,24

Iridescent and Interference

6001803	Interference Blue	27,33
6001893	Interference Green	27,33
6001873	Interference Red	27,33
6001813	Interference Violet	27,33
6001853	Iridescent Bronze	24, 27,33
6001883	Iridescent Copper	24, 27,33
6001823	Iridescent Pale Gold	24, 27,33
6001863	Iridescent Pearl White	27,33
6001843	Iridescent Pewter	24, 27,33
6001833	Iridescent Silver	24, 27,33

SECTION 2 - HAZARD IDENTIFICATION

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: None known.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Contact may be mildly irritating.

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: None generally expected. Contact with some pigments may cause allergic reaction in sensitized individuals. See pigment-specific information below.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: May cause irritation to gastrointestinal system. Chronic ingestion of some pigments may be harmful. See pigment-specific information below.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Pre-existing skin, eye, or respiratory conditions may be aggravated by exposure.

ADDITIONAL HAZARDS ASSOCIATED WITH SPECIFIED PIGMENTS OR THEIR COMPONENTS IDENTIFIED IN SECTION 3:

CADMIUM PIGMENT- Cadmium Compounds are classified by IARC as probably carcinogenic in humans. OSHA also classifies such compounds as causing lung and kidney disease. **WARNING:** This product contains a chemical known to the State of California to cause cancer by means of inhalation.

CARBON BLACK- IARC classification as Group 2B, possibly carcinogenic to humans

CRYSTALLINE SILICA- Considered a carcinogen through particulate inhalation.

COBALT COMPOUNDS- Individuals hypersensitive to Cobalt may develop asthma, bronchitis, or shortness of breath. May cause skin sensitization. IARC classification as Group 2B, possibly carcinogenic to humans. **WARNING:** This product contains a chemical known to the State of California to cause cancer.

CHROMIUM III Compounds- Some chromium compounds are considered carcinogenic, evidence of Chromium (III) compound carcinogenicity is inconclusive.

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

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

TITANIUM DIOXIDE- Listed by IARC under category 2B, possibly carcinogenic to humans.

VIRIDIAN- **WARNING:** This products contains 100-200 ppm hexavalent chromium, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

ZINC - Overexposure may result in fever, chills, muscular pain or nausea.

ZINC SULFIDE- **WARNING:** This product contains chemicals known to the State of California to cause cancer.

SECTION 3 - HAZARDOUS COMPONENT INFORMATION

CODE		CAS NUMBER	OSHA PERMISSIBLE EXPOSURE LIMITS		
			TWA	STEL	CEILING
3	Aluminum Compounds	45-51-2	NE		
6	Antimony and Compounds	various	.5 mg/M ³		
7	Barium Sulfate	7727-43-7	10 mg/M ³		
11	Calcium Carbonate	1317-65-3	15 mg/M ³		
12	Cadmium Pigment	various	5 µg/M ³ (as Cadmium)		
13	Carbon Black	1333-86-4	3.5 mg/M ³		
14	Chromium (III) Compounds	various	.5 mg/M ³		
18	Cobalt Compounds	various	.5 mg/M ³		
19	Copper Compounds	various	1 mg/M ³		
20	Crystalline Silica	14464-46-1	.05 mg/M ³		
23	Graphite(natural)	7782-42-5	2.5 mg/M ³		
24	Iron Oxide	1309-37-1	10 mg/M ³		

24.5	Magnesium Silicate	1343-88-0	15 mg/M ³	
25	Manganese compounds	7439-96-5	NE	5 mg/M ³
27	Mica	12001-26-2	3 mg/M ³	
28	Nickel compounds	various	.1 mg/M ³	
32.5	Tin compounds	various	NE	
33	Titanium Dioxide	13463-67-7	10 mg/M ³	
34	Zinc Oxide	1314-13-2	10 mg/M ³	
35	Zinc Sulfide	1314-98-3	15 mg/ M ³	

TWA= Time Weighted Average (ave. airborne exposure in 8 hr work shift work week)

STEL= Short Term Exposure Limit (15 minute time weighted average exposure)

CEILING = exposure not to be exceeded during any part of the work day

NE = None established

mg/M³ = approximate milligrams of substance per cubic meter of air

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: Flush with water for 15 minutes. SEE DOCTOR if any symptoms persist.

SKIN CONTACT: Wash with soap and water. SEE DOCTOR if skin irritation occurs.

INHALATION: Remove subject to fresh air. SEE DOCTOR if symptoms persist

INGESTION: If swallowed, dilute by giving 2 or more glasses of water to drink ONLY IF CONSCIOUS!
SEE DOCTOR.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: > 99° C / 210° F

METHOD USED: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME:

LOWER: N/A **UPPER:** N/A

EXTINGUISHING MEDIA: Carbon dioxide, water spray, foam or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Decomposition and combustion products may be toxic.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Contain spill. Recover material for use or proper disposal. Clean residue with detergent and wet mopping.

SECTION 7 - HANDLING AND STORAGE

Ensure good industrial hygiene when storing and using pigments by keeping containers closed and avoiding contamination of work space through excessive dust generation. Clean work space thoroughly after use.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

RESPIRATORY PROTECTION: None applicable

3/19/2013 Added Zinc Buff Yellow
9/18/2013 Cadmium added to Naples Yellow Italian, new version 6000461 added
10/1/13 Added Safflower (SF) Oil Colors
11/15/2013 Added 6001021, reformulation of Bohemian Green Earth
4/28/2014 Added Flashpoint Data
2/6/2015 Added Transparent Iron Oxides and Intense Black