SAFETY DATA SHEET

SECTION 1 – COMPANY AND PRODUCT IDENTIFICATION

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

Date Revised: 1/18/2016
Phone: (607)847-6154
Prepared by: Ben Gavett

	HAZARDOUS COMPONENTS (See Sec. 3)
COLOR LINES	
GOLDEN Airbrush Colors	1,29
GOLDEN Acrylics	1,29
GOLDEN Fluid Acrylics	1,29
GOLDEN High Flow Acrylics	1,29
GOLDEN High Load Acrylics	1,5,20,29
GOLDEN Glazes	1,5,29
GOLDEN Matte Acrylics	1,5,20,29
GOLDEN Matte Fluid Acrylics	1,5,20,29
GOLDEN OPEN Acrylics	1,29
Individual Colors	
Alizarin Crimson Hue	-
Anthraquinone Blue	-
Anthraquinone Red	-
Aurolein Yellow Hue	24
Azurite Hue	19,34
Bismuth Vanadate Yellow	8.5
Bone Black	13
Bright Orange	-
Bright Red Orange	-
Bright Yellow-Green	-
Burnt Sienna	20,24
Burnt Sienna Hue	-
Burnt Umber & Burnt Umber Light	20,24,25
Cadmium Red Medium Hue	-
Cadmium Yellow Medium Hue	6,28
Carbon Black	13
Cerulean Blue, Chromium	14,18
Cerulean Blue Deep	14,18
Cerulean Blue Hue	3,5,19,33
Chrome Oxide Green (all)	14
C.P. Cadmium Orange	7,9,10
C.P. Cadmium Red (all)	7,9,10
C.P. Cadmium Yellow (Dark, Lt., Med.)	7,9,35
C.P. Cadmium Yellow Primrose	7,9,35
Coarse Alumina	4,33
Cobalt Blue	18

Cobalt Blue Hue	19,33
Cobalt Green	14,18
Cobalt Teal	18
Cobalt Titanate Green	6,18,28
Cobalt Turquoise	14,18
Cobalt Violet Hue	34
Deep Violet	-
Diarylide Yellow	-
Dioxazine Purple	-
Fluorescent (all colors)	22
Graphite Gray	23
Green Gold	8,28
Hansa Yellow (Lt., Med. & Opaque)	-
Hookers Green Hue (Airbrush Line)	13,19
Hookers Green Hue (GOLDEN Acrylic Line)	28
Indian Yellow Hue	28
Interference Colors	27,33
Interference Colors (Color Travel)	5,33
Iridescent Black Mica Flake	27
Iridescent Bright Gold	27,28,33
Iridescent Bronze	19,24,27
Iridescent Copper (and Coarse)	24,27,33
Iridescent Copper Lt. (and Coarse)	24,27
Iridescent Gold (and Coarse)	24,27,33
Iridescent Gold Deep	24,27,33
Iridescent Gold Mica Flake (Small & Large)	27
Iridescent Pearl (and Coarse)	27,33
Iridescent Pearl Mica Flake	27
Iridescent Silver	23,27,33
Irid. Stain. Steel (Coarse and Fine)	15,28
Jenkins Green	8,19,28
Light Green (Blue Shade)	33
Light Green (Yellow Shade)	33
Light Magenta	33
Light Turquois (Phthalo)	19,33
Light Ultramarine Blue	33
Light Violet	33
Manganese Blue Hue	34
Mars Black	24
Mars Yellow	24
Medium Magenta	33
Medium Violet	33
Micaceous Iron Oxide	24
Naphthol Red (Lt. & Med.)	-
Naples Yellow Hue	24,33
Neutral Grays (all)	5,20,24,25,33
Nickel Azo Yellow	26,28
Paynes Gray	13
Perm. Green Lt.	19
Perm. Green Dark	19

Permanent Maroon	-
Permanent Violet Dark	-
Phosphorescent	34
Phthalo Blue GS	19
Phthalo Blue RS	19
Phthalo Green BS	19
Phthalo Green YS	19
Primary Cyan	19,20
Primary Magenta	20
Primary Yellow	20
Prussian Blue Hue	19
Pyrrole Colors (all)	-
Quinacridone Burnt Orange	31
Quinacridone Crimson	31
Quinacridone/Nickel Azo Gold	-
Quinacridone Magenta	-
Quinacridone Red	25
Quinacridone Red Lt.	30
Quinacridone Violet	-
Raw Sienna	20,24
Raw Sienna Hue	-
Raw Umber	20,24,25
Raw Umber Hue	13
Red Oxide	24
Sap Green Hue	13,19,24,28
Sepia	13,24,28
Shading Gray	13
Smalt Hue	13
Teal	3,519,33
Terre Verte Hue	14,20
Titan Buff	20,33
Titan Green Pale	3,5,19,33
Titanate Yellow	6,28
Titanium White	3,5,33
Transparent Brown Iron Oxide	13,24
Transparent Red Iron Oxide	24
Transparent Shading Gray	13
Transparent Yellow Iron Oxide	24
Turquoise (Phthalo)	19
Ultramarine Blue	-
Ultramarine Blue Hue	3,5,19,33
Ultramarine Violet	-
Van Dyke Brown Hue	13,24
Vat Orange	-
Violet Oxide	24
Viridian Green Hue	28,34
Yellow Ochre	20,24,
Yellow Oxide	24
Zinc White	34

GOLDEN GELS, MEDIUMS, GESSOS & GROUNDS

03001	Self Leveling Clear Gel	1,29
03010	Soft Gel (Gloss)	1,29
03013	Soft Gel (Matte)	1,5,20,29
03017	Soft Gel (Semi-gloss)	1,5,29
03020	Regular Gel (Gloss)	1,29
03030	Regular Gel (Matte)	1,5,20,29
03040	Regular Gel (Semi-gloss)	1,5,29
03050	Heavy Gel (Gloss)	1,29
03060	Heavy Gel (Matte)	1,5,20,29
03070	Heavy Gel (Semi-gloss)	1,5,29
03080	Extra Heavy Gel (Gloss)	1,29
03090	Extra Heavy Gel (Matte)	1,5,20,29
03100	Extra Heavy Gel (Semi-gloss)	1,5,29
03110	Extra Heavy/Molding Paste	1,11,29
03120	High Solid Gel (Gloss)	1,21,29
03130	High Solid Gel (Matte)	1,5,20,21,29
03135	OPEN Acrylic Gel Medium	1, 29
03136	OPEN Gel Medium (Matte)	1,5,29
03195	Fine Pumice Gel	1,5,29
03200	Coarse Pumice Gel	1,5,29
03205	Extra Coarse Pumice Gel	1,5,29
03215	Clear Granular Gel	1,29
03232	Garnet Gels (Fine)	1,20,29
03234	Garnet Gels (Coarse)	1,20,29
03230	Garnet Gels (Extra Coarse)	1,20,29
03236	Glass Bead Gel	1,21,29
03240	Fiber Paste	1,29
03330	Clear Tar Gel	1,29
03508	Clear Pouring Medium (Thick)	1,29
03509	Clear Pouring Medium (Thin)	1,29
03510	Polymer Medium (Gloss)	1,29
03513	Pouring Medium #3 (Custom)	1,21,29
03520	Fluid Matte Medium	1,5,29
03530	Matte Medium	1,5,29
03531	Super Loaded Matte Medium	1,20,29
03535	Airbrush Medium	1,29
03537	Airbrush Transparent Extender	1,29
03550	Gesso	1,5,11,29
03551	Sandable Hard Gesso	1,5,11,29,32
03555	Absorbent Ground (White)	1,20,29
03556	Absorbent Ground (Canvas)	1,20,29
03557	Crackle Paste	1,12,29,33
03558	Silverpoint / Drawing Ground	1,3,29,33
03560	Black Gesso	1,11,20,29
03570	Molding Paste	1,11,29
03571	Hard Molding Paste	1,11,29
03572	Coarse Molding Paste	1,11,29
03575	Light Molding Paste	1,29

03580	Retarder	29
03595	OPEN Acrylic Thinner	29
03640	Acrylic Ground for Pastels	1,20,29
03670	Acrylic Modifier for Plaster	1,29
03690	Silkscreen Medium	1,29
03695	Silkscreen Fabric Gel	1,22,29
03720	Acrylic Glazing Liquid (Gloss)	1,29
03721	Acrylic Glazing Liquid (Satin)	1,29
03725	OPEN Acrylic Fluid Medium	1,29
03726	OPEN Medium (Matte)	1,5,29
03750	Stop Out Varnish	1,13,29
03910	GAC-100 Acrylic	1,29
03920	GAC-200 Acrylic	1,29
03940	GAC-400 Acrylic	1,22,29
03950	GAC-500 Acrylic	1,29
03970	GAC-700 Acrylic	1,29
03980	GAC-800 Acrylic	1,29
03990	GAC-900 Acrylic	1,22,29
07750	Acrylic Topcoat Ultra Matte	1,5,29
07770	Porcelain Restoration Glaze (Gloss)	1,29
07771	Porcelain Restoration Glaze (Matte)	1,5,29
08510	Liquid Thickener (Long Rheology)	-
08520	Liquid Thickener (Short Rheology)	-

SECTION 2 - HAZARD IDENTIFICATION

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: None expected under normal conditions of use.

Irritation of the nose, throat and lungs is associated with excessive exposure to ammonia, which may occur when large volumes of product are used in an area with limited ventilation.

GAC-400 Acrylic and GAC-900 Acrylic contain formaldehyde, which may irritate the respiratory system, or cause allergic reaction in sensitized individuals. See "Additional Hazards" for formaldehyde, below.

Overexposure to dusts and mists from sanding and spraying may be irritating to the respiratory tract. Chronic exposure to dusts and mists may cause pulmonary diseases.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Contact may be slightly irritating to eyes. Absorbent Ground may cause moderate eye irritation.

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Prolonged or repeated contact may be irritating to skin.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: May cause irritation to gastrointestinal system.

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- Cadmium Compounds are classified by IARC as probably carcinogenic in humans. OSHA also classifies such compounds as causing lung and kidney disease. **WARNING: DO NOT SPRAY APPLY** – This product contains cadmium, 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 **WARNING:** This product contains a chemical known to the State of California to cause cancer. (Applies to airborne particles of respirable size only)

CERULEAN BLUE- Skin contact may cause allergic sensitization. Ingestion may cause systemic toxicity.

CRYSTALLINE SILICA- Considered a carcinogen through inhalation overexposure. Also a known cause of silicosis, a noncancerous lung disease. **WARNING:** This product contains a chemical known to the State of California to cause cancer. (Applies to airborne particles of respirable size only)

COBALT COMPOUNDS- Individuals hypersensitive to Cobalt may develop asthma, bronchitis, or shortness of breath. May cause skin sensitization.

CHROMIUM- Long term inhalation exposure to trivalent chromium compounds may cause damage to the lungs and respiratory tract. While Chromium and some of its compounds are considered carcinogenic, both in animals and humans, evidence of Chromium (III) compound carcinogenicity is inconclusive.

FORMALDEHYDE- Listed as a suspected human carcinogen by ACGIH, potentially carcinogenic by NIOSH and OSHA, and a known human carcinogen by NTP. **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.

MELAMINE- 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- 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.

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

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

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

SECTION 3 - HAZARDOUS COMPONENT INFORMATION

CODE		Max %	CAS NUMBER	OSHA PERMISSIBLE EXPOSURE LIMITS TWA	STEL	CEILING
1	Ammonia	.2	7664-41-7		35 ppm	
2	Alumina	1	1344-28-1	10 mg/M^3		
3	Aluminum Hydroxide	5	21645-51-2	NE		
4	Aluminum Oxide	20	1344-28-1	10 mg/M^3		
5	Amorphous Silica	10	7631-86-9	6 mg/M^3		
6	Antimony and Compounds	10	7440-36-0	.5 mg/M^3		
7	Barium Sulfate	10	7727-43-7	10 mg/M^3		
8	Barium, Soluble Compounds	5	7440-39-3	.5 mg/M^3		
8.5	Bismuth Vanadium Oxide	22	14059-33-7	15 mg/M^3		
9	Cadmium Sulfide	20	1306-23-6	5 µg/M^3 (as Cadmium)		
10	Cadmium Selenide	20	1306-24-7	5 µg/M^3 (as Cadmium)		
11	Calcium Carbonate	25	1317-65-3	15 mg/M^3		
12	Calcium Silicate	5	13983-17-0	NE		
13	Carbon Black	25	1333-86-4	3.5 mg/M^3		
14	Chromium (III) Compounds	20	vary	.5 mg/M^3		
15	Chromium Metal	10	7440-47-3	1 mg/M^3		
16	CI PY 35 (Cadmium Pigment)	25	8048-07-5	5 µg/M^3 (as Cadmium)		
17	CI PR 108 (Cadmium Pigment)	25	58339-34-7	5 µg/M^3 (as Cadmium)		
18	Cobalt Compounds	20	vary			
19	Copper	5	7440-50-8	1 mg/M^3		
20	Crystalline Silica	5	14464-46-1	.05 mg/M^3		
21	Dipropylene Glycol-Monobutyl Ether	5	29911-28-2	NE		
22	Formaldehyde	.05	50-00-0	.75 ppm	2 ppm	
23	Graphite(natural)	20	7782-42-5	2.5 mg/M^3		
24	Iron Oxide	25	1309-37-1	10 mg/M^3		
25	Manganese compounds	5	7439-96-5	NE	5 mg/M^3	
26	Melamine	5	108-78-1	NE		
27	Mica	15	12001-26-2	3 mg/M^3		
28	Nickel, metal & compounds	15	vary	.1 mg/M^3		
29	Propylene Glycol	70	57-55-6	NE		
30	Quaternary Ammonium Salt	5	112-02-7	NE		
31	Quinacridonequinone	5	1503-48-6	NE		
32	Talc	10	14807-96-6	2 mg/M^3		
33	Titanium Dioxide	30	13463-67-7	10 mg/M^3		
34	Zinc Oxide	20	1314-13-2	10 mg/M^3		
35	Zinc Sulfide	10	1314-98-3	NE		

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/M^3 = 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: None **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 reside with aqueous mopping.

SECTION 7 - HANDLING AND STORAGE

For best product stability, avoid freezing and higher than normal ambient temperatures.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

RESPIRATORY PROTECTION: None required under normal use. When sanding or spraying, use a NIOSH P100 dust and mist respirator. If conditions warrant, a vapor respirator for protection against ammonia may be used.

VENTILATION: General dilution ventilation is recommended at a level sufficient to keep individuals asymptomatic to inhalation exposure.

PROTECTIVE GLOVES: None required under normal use. For techniques requiring continual hand exposure, gloves are recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None required under normal use.

WORK/HYGIENIC PRACTICES: All Golden products should be used in accordance with safe handling practices, including: do not eat, drink or smoke when working with materials, avoid excessive skin contact, wash after working with materials.

SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: >100°C/212°F
SPECIFIC GRAVITY (H_20=1): 1.0-2.0
VAPOR DENSITY: Heavier than air
pH: 8.5-9.2
SOLUBILITY IN WATER: Miscibile
APPEARANCE AND ODOR: Milky white or colored- slight ammonia odor

SECTION 10 - STABILITY AND REACTIVITY

STABILITY: Stable
INCOMPATIBILITY: May react with strong oxidizers
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Paynes Gray, Ultramarine Blue and Ultramarine Violet may react with acids to form flammable and toxic hydrogen sulfide. Acid decomposition of cadmium pigments may yield hydrogen sulfide, selenide gases and toxic cadmium salts in solution. If cadmiums are heated to above 800°C, decomposition to toxic fumes of cadmium oxide, zinc oxide, sulfur dioxide and selenium dioxide will occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Oral LD50 - rat: >5000 mg/kg
Dermal LD50 - rabbit: >5000 mg/kg
Eye Irritation – rabbit: minimal
Skin Irritation – rabbit: slight

SECTION 12 – ECOLOGICAL INFORMATION

Not readily biodegradable. No other data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose as per local regulations. It is best to use all material, rather than dispose of it. If necessary, dispose of as latex paint. Cadmium pigmented paints and Cobalt Turquoise should be handled as hazardous wastes. US TCLP (metals solubility) data available upon request.

SECTION 14 -TRANSPORT INFORMATION

Not hazardous for shipping via any mode

SECTION 15 – REGULATORY INFORMATION

Consumer Product Labeling: Products are labeled in compliance with 67/548/EEC (EU), FHSA/LHAMA (USA), CCCR (Canada).

SECTION 16 – OTHER INFORMATION

6/7/2012: Deleted Prop 65 Warning for Titanium Dioxide
7/17/12: Corrected CAS # for Bismuth Vanadium Oxide
3/5/2013: Added Clear Pouring Medium

4/5/2013: Added High Flow Colors
3/13/2015: Deleted Prop 65 Warning for Zinc White