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GOLDEN ACRYLICS, GLAZES, GELS, MEDIUMS, GESSOS & GROUNDS

SECTION 1. COMPANY AND PRODUCT IDENTIFICATION

COMPANY DETAILS: Golden Artist Colors, Inc.
188 Bell Road
New Berlin, NY 13411
(607) 847—6154

COLOUR LINES:	COMPONENTS (SEE SEC. 3):
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 COLOURS

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. Cad. 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 (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 Flakes	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 Turquoise (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	35
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	3,5,19,33
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

Self Leveling Clear Gel	1,29
Soft Gel (Gloss)	1,29
Soft Gel (Matte)	1,5,20,29
Soft Gel (Semi-gloss)	1,5,29
Regular Gel (Gloss)	1,29
Regular Gel (Matte)	1,5,20,29
Regular Gel (Semi-gloss)	1,5,29
Heavy Gel (Gloss)	1,29
Heavy Gel (Matte)	1,5,20,29
Heavy Gel (Semi-gloss)	1,5,29
Extra Heavy Gel (Gloss)	1,29
Extra Heavy Gel (Matte)	1,5,20,29
Extra Heavy Gel (Semi-gloss)	1,5,29
Extra Heavy/Molding Paste	1,11,29
High Solid Gel (Gloss)	1,21,29
High Solid Gel (Matte)	1,5,20,21,29
OPEN Acrylic Gel Medium	1,29
OPEN Gel Medium (Matte)	1,5,29
Fine Pumice Gel	1,5,29
Coarse Pumice Gel	1,5,29

Extra Coarse Pumice Gel	1,5,29
Clear Granular Gel	1,29
Garnet Gels (Fine)	1,20,29
Garnet Gels (Coarse)	1,20,29
Garnet Gels (Extra Coarse)	1,20,29
Glass Bead Gel	1,21,29
Fiber Paste	1,29
Clear Tar Gel	1,29
Clear Pouring Medium (Thick)	1,29
Clear Pouring Medium (Thin)	1,29
Polymer Medium (Gloss)	1,29
Pouring Medium #3 (Custom)	1,21,29
Fluid Matte Medium	1,5,29
Matte Medium	1,5,29
Super Loaded Matte Medium	1,20,29
Airbrush Medium	1,29
Airbrush Transparent Extender	1,29
Gesso	1,5,11,29
Sandable Hard Gesso	1,5,11,29,32
Absorbent Ground (White)	1,20,29
Absorbent Ground (Canvas)	1,20,29
Crackle Paste	1,12,29,33
Silver point/ Drawing Ground	1,3,29,33
Black Gesso	1,11,20,29
Molding Paste	1,11,29
Hard Molding Paste	1,11,29
Coarse Molding Paste	1,11,29
Light Molding Paste	1,29
Retarder	29
OPEN Acrylic Thinner	29
Acrylic Ground for Pastels	1,20,29
Acrylic Modifier for Plaster	1,29
Silkscreen Medium	1,29
Silkscreen Fabric Gel	1,22,29
Acrylic Glazing Liquid (Gloss)	1,29
Acrylic Glazing Liquid (Satin)	1,29
OPEN Acrylic Fluid Medium	1,29
OPEN Medium (Matte)	1,5,29
Stop Out Varnish	1,13,29
GAC-100 Acrylic	1,29
GAC-200 Acrylic	1,29
GAC-400 Acrylic	1,22,29
GAC-500 Acrylic	1,29
GAC-700 Acrylic	1,29
GAC-800 Acrylic	1,29
GAC-900 Acrylic	1,22,29
Acrylic Topcoat Ultra Matte	1,5,29
Porcelain Restoration Glaze (Gloss)	1,29
Porcelain Restoration Glaze (Matte)	1,5,29
Liquid Thickener (Long Rheology)	-
Liquid Thickener (Short Rheology)	-

SECTION 2. HAZARD IDENTIFICATION

PRODUCTS DO NOT MEET OSHA/GHS HAZARD CLASSIFICATION CRITERIA

HAZARDS NOT OTHERWISE CLASSIFIED:

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.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Contact may be slightly irritating to eyes.

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.

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. COMPOSITION/ INFORMATION ON INGREDIENTS

KEY FOR FOLOWING PAGE:

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

CODE		MAX %	CAS NUMBER	OSHA PERMISSIBLE EXPOSURE LIMITS		
				TWA	STEL	CEILING
1	Ammonium Hydroxide (26%)	.2	1336-21-6		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	
27	Mica	15	12001-26-2	3 mg/M ³		
28	NickelCompounds	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, Cu Chloride	30	68611-70-1	NE		

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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 residue 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: (H₂O=1): 1.0 -2.0

VAPOUR DENSITY: Heavier than air

pH: 8.5 -9.2

SOLUBILITY IN WATER: Miscible

APPEARANCE: Milky white or coloured

ODOUR: slight ammonia odour

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

Product not tested. Classification based on ingredient information.

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 should be handled as hazardous wastes.

SECTION 14. TRANSPORT INFORMATION

Not hazardous for shipping via any mode.

NOT REGULATED FOR TRANSPORT BY IATA, IMDG OR DOT.

SECTION 15. REGULATORY INFORMATION

Contact Golden for further information.

SECTION 16. OTHER INFORMATION

The information provided on this sheet is based on our knowledge of the product concerned at the date of issue. It is provided in good faith. Users should also bear in mind that risks may arise when a product is put to uses other than those for which it is destined.