

**MATERIAL SAFETY DATA SHEET (G5)**

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Material can splatter above 100°C/212°F. Dried film can burn, yielding toxic decomposition and combustion products.

**SECTION V - REACTIVITY DATA**

**STABILITY:** Stable

**INCOMPATIBILITY AND CONDITIONS TO AVOID:** None known.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** Thermal decomposition may yield oxides of carbon, monomer fumes and oxides of nitrogen.

**HAZARDOUS POLYMERIZATION:** Will not occur

**SECTION VI - HEALTH HAZARD DATA**

**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. Overexposure to dusts and mists from sanding and spraying may be irritating to the respiratory tract. Prolonged exposure to excessive concentrations of silica dust may cause chronic pulmonary disease.

**EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Prolonged or repeated contact may be irritating to the eyes.

**SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Prolonged or repeated contact may be irritating to skin. At 100% concentration, the proprietary ingredient listed has been reported to cause skin dermatitis in some individuals. The Benzotriazolyl compound may cause allergic reactions.

**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.

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

**EMERGENCY AND FIRST AID PROCEDURES:**

**EYE CONTACT:** Flush with water for 15 minutes. SEE DOCTOR if 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 occur.

**INGESTION:** SEE DOCTOR if there are symptoms of exposure.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Floors may be slippery, care should be exercised to avoid falls. Dike and contain spill with inert material (e.g., sand, earth). Transfer material to containers for recovery or disposal. Keep solid diking material in separate containers for disposal.

**WASTE DISPOSAL METHOD:** Dispose as per local, state or EPA regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Avoid extremes of temperature.

**SECTION VIII - CONTROL MEASURES**

**RESPIRATORY PROTECTION:** None required under normal use. When sanding or spraying, use a NIOSH/MSHA certified dust and mist respirator.

**VENTILATION:** None required under normal use. For continuous use or when sanding or spraying, adequate ventilation is recommended.

**PROTECTIVE GLOVES:** Wear impermeable protective gloves.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Wear protective clothing to avoid skin contact.

**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, keep all professional materials out of reach of children.

**SECTION IX - ADDITIONAL PRECAUTIONS AND INFORMATION**

**DISCLAIMER**

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 data, and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation and verification.

**MATERIAL SAFETY DATA SHEET (G5)**

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**SECTION I - PRODUCT IDENTIFICATION**

PRODUCT	HAZARDOUS COMPONENTS (Sec. II)
0077100 Polymer Varnish Gloss (w/UVLS)	1,5
0077150 Polymer Varnish Satin (w/UVLS)	1,3,5
0077200 Polymer Varnish Matte (w/UVLS)	1,3,5
0077220 Hard Polymer Varnish Gloss (w/UVLS)	1,5,6
0077240 Hard Polymer Varnish Matte (w/UVLS)	1,3,5,6
0077230 Hard Polymer Varnish Satin (w/UVLS)	1,3,5,6
9037500 Intaglio Top-Out Varnish	1,12

HMIS ratings:  
 Health -  
 Flammability - 0  
 Reactivity - 0  
 Protective Equipment - X

**SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION**

CODE	HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PERMISSIBLE EXPOSURE LIMITS		
			TWA	STEL	CEILING
1	Ammonia	7664-41-7	-	35 ppm	-
3	Amorphous Silica	68855-54-9	6 mg/M <sup>3</sup>	-	-
5	Benzotriazolyl-OH				
	Butylphenyl Propionate	04810-42-2	NE	-	-
6	Proprietary Ingredient	Trade Secret	NE	-	-
12	Carbon Black	1333-86-4	3.5 mg/M <sup>3</sup>		

TWA = Time Weighted Average (avg. airborne exposure in 8 hr work shift of a 40 hr 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

ppm = parts of vapor or gas per million parts of contaminated air by volume  
 mg/M<sup>3</sup> = approximate milligrams of substance per cubic meter of air  
 NE = None Established

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

BOILING POINT: >100°C/212°F  
 VAPOR DENSITY: Heavier than air  
 SOLUBILITY IN WATER: Dilutable  
 APPEARANCE AND ODOR: viscous liquid, slightly sweet amine odor

SPECIFIC GRAVITY (H20=1): 1.0-1.1  
 EVAPORATION RATE: Slower than ether

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: N/A  
 FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: N/A  
 EXTINGUISHING MEDIA: Carbon dioxide, water spray, foam or dry chemical  
 SPECIAL FIREFIGHTING PROCEDURES: Use self-contained breathing apparatus and full protective clothing.

METHOD USED: N/A  
 UPPER: N/A