

**1. Identification**

**Product identifier** GOLDEN MSA Varnish and GOLDEN MSA Topcoat with UVLS (Gloss, Matte or Satin Finish)

**Other means of identification** Not available.  
**Recommended use** Final Protective Coating For Fine Art.  
**Recommended restrictions** None known.

**Manufacturer / Importer / Supplier / Distributor information**

**Company name** Golden Artist Colors, Inc.  
**Address** 188 Bell Rd., New Berlin  
 NY 13411  
 US  
**Telephone** 607-847-6154  
**E-mail** gavett@goldenpaints.com  
**Contact person** Ben Gavett  
**Emergency phone number** 607-847-6154

**2. Hazard(s) identification**

**Physical hazards** Flammable liquids Category 3  
**Health hazards** Skin corrosion/irritation Category 2  
 Sensitization, skin Category 1  
 Carcinogenicity Category 2  
 Specific target organ toxicity, single exposure Category 3 narcotic effects  
 Specific target organ toxicity, repeated exposure Category 2 (Kidney)

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Warning

**Hazard statement** May cause an allergic skin reaction. Suspected of causing cancer. May cause damage to organs (Kidney) through prolonged or repeated exposure.

**Precautionary statement**

**Prevention** Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

**Response** If exposed or concerned: Get medical advice/attention. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.

**Storage** Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)** Static accumulating flammable liquids

**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 2  
 Hazardous to the aquatic environment, long-term hazard Category 2



**Hazard statement** Toxic to aquatic life with long lasting effects.  
**Precautionary statement**  
**Prevention** Avoid release to the environment.  
**Response** Collect spillage.

**3. Composition/information on ingredients**

**Mixtures**

Chemical name	CAS number	%
Stoddard solvent	8052-41-3	50-<60
Silicon dioxide	112945-52-5	5-<10
Solvent naphtha (petroleum), heavy arom.	64742-94-5	3-<5
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	0.1 -< 1
Naphthalene	91-20-3	0.1 -< 1

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**4. First-aid measures**

**Inhalation** Move to fresh air. If breathing is difficult, give oxygen. Get medical attention.  
**Skin contact** Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes. In case of eczema or other skin disorders: Seek medical attention and take along this MSDS.  
**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.  
**Ingestion** Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Only induce vomiting at the instruction of medical personnel. Get medical attention if any discomfort continues.  
**Most important symptoms/effects, acute and delayed** Overexposure to mists/vapors of this product may cause headache, dizziness, nausea, and respiratory tract irritation. Symptoms include itching, burning, redness and tearing. Vapors may cause drowsiness and dizziness. Defats the skin.  
**Indication of immediate medical attention and special treatment needed** Treat symptomatically. The effects might be delayed.  
**General information** Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

**5. Fire-fighting measures**

**Suitable extinguishing media** Foam. Carbon dioxide (CO2). Dry chemical. Powder.  
**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.  
**Specific hazards arising from the chemical** Thermal decomposition may produce smoke, oxides of carbon and lower molecular weight organic compounds whose composition have not been characterized.  
**Special protective equipment and precautions for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.  
**Fire-fighting equipment/instructions** Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures** Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Avoid inhalation of vapors and spray mist and contact with skin and eyes. Wear suitable protective clothing. For personal protection, see section 8 of the SDS.  
**Methods and materials for containment and cleaning up** Remove sources of ignition. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Collect spillage. Absorb spillage with non-combustible, absorbent material.

**7. Handling and storage**

**Precautions for safe handling**

Use only in well-ventilated areas. Avoid inhalation of vapors/spray and contact with skin and eyes. Wear appropriate personal protective equipment. The product is flammable, and heating may generate vapors which may form explosive vapor/air mixtures. Do not smoke and do not spray near a naked flame or other sources of ignition. Read label before use. Do not smoke and do not spray near an open flame or other sources of ignition.

**Conditions for safe storage, including any incompatibilities**

Keep away from heat, sparks and open flame. Keep in a cool, well-ventilated place. Keep out of reach of children.

**8. Exposure controls/personal protection**

**Occupational exposure limits**

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
Naphthalene (CAS 91-20-3)	PEL	50 mg/m3 10 ppm
Stoddard solvent (CAS 8052-41-3)	PEL	2900 mg/m3 500 ppm

**US. OSHA Table Z-3 (29 CFR 1910.1000)**

Components	Type	Value
Silicon dioxide (CAS 112945-52-5)	TWA	0.8 mg/m3 20 mppcf

**US. ACGIH Threshold Limit Values**

Components	Type	Value
Naphthalene (CAS 91-20-3)	STEL TWA	15 ppm 10 ppm
Stoddard solvent (CAS 8052-41-3)	TWA	100 ppm

**US NIOSH Pocket Guide to Chemical Hazards: Ceiling Limit Value and Time Period (if specified)**

Components	Type	Value
Stoddard solvent (CAS 8052-41-3)	Ceiling	1800 mg/m3

**US NIOSH Pocket Guide to Chemical Hazards: Recommended exposure limit (REL)**

Components	Type	Value
Naphthalene (CAS 91-20-3)	TWA	50 mg/m3 10 ppm
Silicon dioxide (CAS 112945-52-5)	TWA	6 mg/m3
Stoddard solvent (CAS 8052-41-3)	TWA	350 mg/m3

**US NIOSH Pocket Guide to Chemical Hazards: Short Term Exposure Limit (STEL)**

Components	Type	Value
Naphthalene (CAS 91-20-3)	STEL	75 mg/m3 15 ppm

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Exposure guidelines**

**US ACGIH Threshold Limit Values: Skin designation**

Naphthalene (CAS 91-20-3)

Can be absorbed through the skin.

**Appropriate engineering controls**

Use explosion-proof ventilation equipment. Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of spray. Provide easy access to water supply or an emergency shower.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Wear approved safety glasses or goggles.

**Skin protection**

**Hand protection**

Solvent-resistant gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.

respirator manufacturer to determine respirator selection, use, and limitations. Use positive pressure, air-supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Private clothes and working clothes should be kept separately. Personal protective equipment should not be worn during lunch breaks.

**9. Physical and chemical properties**

<b>Appearance</b>	Clear, viscous liquid.
<b>Physical state</b>	Liquid.
<b>Form</b>	Viscous liquid.
<b>Color</b>	Clear.
<b>Odor</b>	Mineral spirits
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not applicable.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	105.8 °F (41.0 °C) Tag Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	0.91
<b>Solubility(ies)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	2000 - 4500 cP
<b>Other information</b>	
<b>VOC (Weight %)</b>	56.5 % w/w

**10. Stability and reactivity**

<b>Reactivity</b>	Stable at normal conditions.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Conditions to avoid</b>	Heat, sparks, flames, elevated temperatures. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong acids. Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

**11. Toxicological information**

**Information on likely routes of exposure**

<b>Ingestion</b>	Ingestion may cause irritation and malaise.
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<b>Skin contact</b>	Causes skin irritation.	
<b>Eye contact</b>	May cause eye irritation.	
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Overexposure to mists/vapors of this product may cause headache, dizziness, nausea, and respiratory tract irritation. Symptoms include itching, burning, redness and tearing. Defats the skin.	
<b>Information on toxicological effects</b>		
<b>Acute toxicity</b>	May cause central nervous system effects.	
<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (CAS 41556-26-7)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	2369 - 4247 mg/kg
Naphthalene (CAS 91-20-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 2 g/kg
<i>Oral</i>		
LD50	Rat	490 mg/kg
Solvent naphtha (petroleum), heavy arom. (CAS 64742-94-5)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 3160 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 590 mg/m <sup>3</sup>
<i>Oral</i>		
LD50	Rat	7050 mg/kg
Stoddard solvent (CAS 8052-41-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 5.2 mg/l, 4 hours
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg
<b>Skin corrosion/irritation</b>	Causes skin irritation.	
<b>Serious eye damage/eye irritation</b>	May cause eye irritation.	
<b>Respiratory sensitization</b>	Not classified.	
<b>Skin sensitization</b>	The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals.	
<b>Germ cell mutagenicity</b>	Knowledge about mutagenicity is incomplete.	
<b>Carcinogenicity</b>	Suspected of causing cancer.	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Naphthalene (CAS 91-20-3)		2B Possibly carcinogenic to humans.
Silicon dioxide (CAS 112945-52-5)		3 Not classifiable as to carcinogenicity to humans.
<b>NTP Report on Carcinogens</b>		
Naphthalene (CAS 91-20-3)		Reasonably Anticipated to be a Human Carcinogen.
<b>Reproductive toxicity</b>	Knowledge about reproductive effects is incomplete.	
<b>Specific target organ toxicity - single exposure</b>	May cause drowsiness or dizziness.	
<b>Specific target organ toxicity - repeated exposure</b>	May cause damage to organs (Kidney) through prolonged or repeated exposure.	
<b>Aspiration hazard</b>	Not classified.	

**Chronic effects**

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Prolonged or repeated contact with skin may cause redness, itching, irritation, eczema/ chapping and blisters. Organic solvents may be absorbed into the body by inhalation and cause permanent damage to the nervous system, including the brain. May cause damage to the kidneys.

**12. Ecological information**

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

Components	Species	Test Results
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (CAS 41556-26-7)		
<b>Aquatic</b>		
Fish	LC50	Bluegill (Lepomis macrochirus) 1 mg/l, 96 Hours
Naphthalene (CAS 91-20-3)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea (Daphnia magna) 1.09 - 3.4 mg/l, 48 hours
Fish	LC50	Pink salmon (Oncorhynchus gorbuscha) 1.11 - 1.68 mg/l, 96 hours
Solvent naphtha (petroleum), heavy arom. (CAS 64742-94-5)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow (Pimephales promelas) 45 mg/l, 96 Hours

**Persistence and degradability** The product is not expected to be readily biodegradable.

**Bioaccumulative potential**

Partition coefficient n-octanol / water (log Kow)	
Stoddard solvent (CAS 8052-41-3)	3.16 - 7.15

**Mobility in soil** No data available.

**Mobility in general** The product contains organic solvents which will evaporate easily from all surfaces.

**Other adverse effects** The product contains volatile organic compounds which have a photochemical ozone creation potential.

**13. Disposal considerations**

**Disposal instructions** Contract with a disposal operator licensed by the Law on Disposal and Cleaning. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not discharge into drains, water courses or onto the ground. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations. When your own wastewater treatment plant is not available, collect entire waste and then charge to a licensed industrial waste management professional with manifests for industrial waste.

**Hazardous waste code** D001: Waste Flammable material with a flash point <140 F

US RCRA Hazardous Waste U List: Reference	
Naphthalene (CAS 91-20-3)	U165

**Waste from residues / unused products** Dispose in accordance with all applicable regulations.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. Transport information**

**DOT**

<b>UN number</b>	UN1263
<b>UN proper shipping name</b>	Paint related material
<b>Transport hazard class(es)</b>	3
<b>Subsidiary class(es)</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	B1, B52, IB3, T2, TP1
<b>Packaging exceptions</b>	150
<b>Packaging non bulk</b>	173
<b>Packaging bulk</b>	242

**IATA**

<b>UN number</b>	UN1263
<b>UN proper shipping name</b>	Paint related material

GOLDEN MSA Varnish with UVLS (Gloss, Matte or Satin Finish)

SDS US

900703 Version #: 01 Revision date: - Issue date: 13-December-2013

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**Transport hazard class(es)** 3  
**Subsidiary class(es)** - III  
**Packaging group** Yes  
**Environmental hazards** 3  
**Labels required** 3L  
**ERG Code**

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**IMDG**

**UN number** UN1263  
**UN proper shipping name** Paint related material  
**Transport hazard class(es)** 3  
**Subsidiary class(es)** -  
**Packaging group** III  
**Environmental hazards**

**Marine pollutant** Yes

**Labels required** 3  
**EmS** F-E, S-E

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** This substance/mixture is not intended to be transported in bulk.

**15. Regulatory information**

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Naphthalene (CAS 91-20-3) LISTED

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - Yes  
 Delayed Hazard - Yes  
 Fire Hazard - Yes  
 Pressure Hazard - No  
 Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** Yes

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Naphthalene	91-20-3	0.1 -< 1

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Naphthalene (CAS 91-20-3)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**Food and Drug Administration (FDA)** Not regulated.

**US state regulations** WARNING: This product contains chemicals known to the State of California to cause cancer.

**US. Massachusetts RTK - Substance List**

Naphthalene (CAS 91-20-3)  
 Silicon dioxide (CAS 112945-52-5)  
 Stoddard solvent (CAS 8052-41-3)

**US. New Jersey Worker and Community Right-to-Know Act**

Naphthalene (CAS 91-20-3) 500 lbs

Naphthalene (CAS 91-20-3)  
 Silicon dioxide (CAS 112945-52-5)  
 Solvent naphtha (petroleum), heavy arom. (CAS 64742-94-5)  
 Stoddard solvent (CAS 8052-41-3)

**US. Rhode Island RTK**

Naphthalene (CAS 91-20-3)

**US. California Proposition 65**

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Naphthalene (CAS 91-20-3)

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

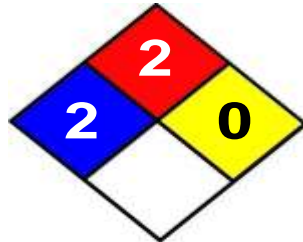
**16. Other information, including date of preparation or last revision**

**Issue date** 13-December-2013

**Revision date** -

**Version #** 01

**NFPA Ratings**



**List of abbreviations**  
 LD50: Lethal Dose, 50%.  
 LC50: Lethal Concentration, 50%.  
 EC50: Effective concentration, 50%.

**References**  
 HSDB® - Hazardous Substances Data Bank  
 IARC Monographs. Overall Evaluation of Carcinogenicity  
 ACGIH  
 US. IARC Monographs on Occupational Exposures to Chemical Agents  
 ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

**Disclaimer**  
 The information in the sheet was written based on the best knowledge and experience currently available.

**This SDS contains revisions in the following section(s):** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.