

1. Identification

Product identifier	GOLDEN MSA Varnish 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

Supplemental information

Hazard symbol



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.

Environmental precautions Do not discharge into drains, water courses or onto the ground.

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/m ³ 10 ppm
Stoddard solvent (CAS 8052-41-3)	PEL	2900 mg/m ³ 500 ppm

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

Components	Type	Value
Silicon dioxide (CAS 112945-52-5)	TWA	0.8 mg/m ³ 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/m ³

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

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

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

Components	Type	Value
Naphthalene (CAS 91-20-3)	STEL	75 mg/m ³ 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.

Other	Wear appropriate chemical resistant clothing to prevent any possibility of skin contact.
Respiratory protection	Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Consult with 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

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

10. Stability and reactivity

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

11. Toxicological information

Information on likely routes of exposure

Ingestion	Ingestion may cause irritation and malaise.
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Inhalation	Vapors and spray mist may irritate throat and respiratory system and cause coughing. May cause central nervous system effects.
Skin contact	Causes skin irritation.
Eye contact	May cause eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics	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.

Information on toxicological effects

Acute toxicity May cause central nervous system effects.

Components	Species	Test Results
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Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (CAS 41556-26-7)

Acute

Oral

LD50	Rat	2369 - 4247 mg/kg
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Naphthalene (CAS 91-20-3)

Acute

Dermal

LD50	Rabbit	> 2 g/kg
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Oral

LD50	Rat	490 mg/kg
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Solvent naphtha (petroleum), heavy arom. (CAS 64742-94-5)

Acute

Dermal

LD50	Rabbit	> 3160 mg/kg
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Inhalation

LC50	Rat	> 590 mg/m3
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Oral

LD50	Rat	7050 mg/kg
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Stoddard solvent (CAS 8052-41-3)

Acute

Dermal

LD50	Rabbit	> 2000 mg/kg
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Inhalation

LC50	Rat	> 5.2 mg/l, 4 hours
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Oral

LD50	Rat	> 5000 mg/kg
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Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation May cause eye irritation.

Respiratory sensitization Not classified.

Skin sensitization The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals.

Germ cell mutagenicity Knowledge about mutagenicity is incomplete.

Carcinogenicity Suspected of causing cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Naphthalene (CAS 91-20-3)	2B Possibly carcinogenic to humans.
Silicon dioxide (CAS 112945-52-5)	3 Not classifiable as to carcinogenicity to humans.

NTP Report on Carcinogens

Naphthalene (CAS 91-20-3)	Reasonably Anticipated to be a Human Carcinogen.
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Reproductive toxicity Knowledge about reproductive effects is incomplete.

Specific target organ toxicity - single exposure May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure May cause damage to organs (Kidney) through prolonged or repeated exposure.

Aspiration hazard Not classified.

Chronic effects Prolonged or repeated contact with skin may cause redness, itching, irritation, eczema/chapping and oil acne. 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)		
Aquatic		
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>) 1 mg/l, 96 Hours
Naphthalene (CAS 91-20-3)		
Aquatic		
Crustacea	EC50	Water flea (<i>Daphnia magna</i>) 1.09 - 3.4 mg/l, 48 hours
Fish	LC50	Pink salmon (<i>Oncorhynchus gorbuscha</i>) 1.11 - 1.68 mg/l, 96 hours
Solvent naphtha (petroleum), heavy arom. (CAS 64742-94-5)		
Aquatic		
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) 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

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

IATA

UN number UN1263
UN proper shipping name Paint related material

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

US. Pennsylvania RTK - Hazardous Substances

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	No

*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).

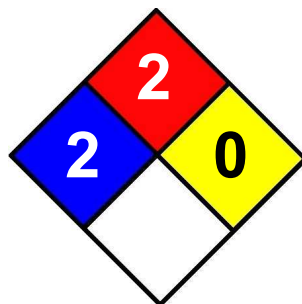
16. Other information, including date of preparation or last revision

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.