

00628-0044

Safety Data Sheet

Section 1 - Identification

| | |
|----------------------------------|------------------|
| Product Name(s): | Product Code(s): |
| Gloss MSA Varnish with UVLS | 7730 |
| Satin MSA Varnish with UVLS | 7735 |
| Matte MSA Varnish with UVLS | 7740 |
| Semi-Gloss MSA Varnish with UVLS | 7746 |

GOLDEN ARTIST COLORS, INC.
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Phone: (607)847-6154
In US only: (800)959-6543

Prepared by: Regulatory Department

Product Use: Artist's Paint

Not recommended for: Use by children

Section 2 - Hazards Identification

GHS Ratings:

| | | |
|-------------------------------|----|---|
| Flammable liquid | 3 | Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F) |
| Skin corrosive | 2 | Reversible adverse effects in dermal tissue, Draize score: ≥ 2.3 < 4.0 or persistent inflammation |
| Skin sensitizer | 1 | Skin sensitizer |
| Carcinogen | 2 | Limited evidence of human or animal carcinogenicity |
| Reproductive toxin | 2 | Human or animal evidence possibly with other information |
| Organ toxin single exposure | 3 | Transient target organ effects- Narcotic effects- Respiratory tract irritation |
| Organ toxin repeated exposure | 2 | Presumed to be harmful to human health- Animal studies with significant toxic effects relevant to humans at generally moderate exposure (guidance)- Human evidence in exceptional cases |
| Acute aquatic toxicity | A2 | Acute toxicity > 1.00 but ≤ 10.0 mg/l |
| Chronic aquatic toxicity | C2 | Acute toxicity > 1.00 but ≤ 10.0 mg/l and lack of rapid degradability and log Kow ≥ 4 unless BCF < 500 and unless chronic toxicity > 1 mg/l |

GHS Hazards

| | |
|------|---|
| H226 | Flammable liquid and vapor |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H335 | May cause respiratory irritation |
| H336 | May cause drowsiness or dizziness |
| H351 | Suspected of causing cancer |
| H361 | Suspected of damaging fertility or the unborn child |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H401 | Toxic to aquatic life |
| H411 | Toxic to aquatic life with long lasting effects |

GHS Precautions

| | |
|------|--|
| P201 | Obtain special instructions before use |
| P202 | Do not handle until all safety precautions have been read and understood |
| P210 | Keep away from heat/sparks/open flames/hot surfaces – No smoking |

SDS for: MSA Varnishes

| | |
|----------------|---|
| P233 | Keep container tightly closed |
| P240 | Ground/bond container and receiving equipment |
| P241 | Use explosion-proof electrical/ventilating/light/...equipment |
| P242 | Use only non-sparking tools |
| P243 | Take precautionary measures against static discharge |
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray |
| P261 | Avoid breathing dust/fume/gas/mist/vapors/spray |
| P264 | Wash hands with soap and water thoroughly after handling |
| P271 | Use only outdoors or in a well-ventilated area |
| P272 | Contaminated work clothing should not be allowed out of the workplace |
| P273 | Avoid release to the environment |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection |
| P281 | Use personal protective equipment as required |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell |
| P314 | Get Medical advice/attention if you feel unwell |
| P321 | Specific treatment, see Section 4 |
| P362 | Take off contaminated clothing and wash before reuse |
| P363 | Wash contaminated clothing before reuse |
| P391 | Collect spillage |
| P302+P352 | IF ON SKIN: Wash with soap and water |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower |
| P304+P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing |
| P308+P313 | IF exposed or concerned: Get medical advice/attention |
| P332+P313 | If skin irritation occurs: Get medical advice/attention |
| P333+P313 | If skin irritation or a rash occurs: Get medical advice/attention |
| P370+P378 | In case of fire: Use ... for extinction |
| P405 | Store locked up |
| P403+P233 | Store in a well ventilated place. Keep container tightly closed |
| P403+P235 | Store in a well ventilated place. Keep cool |
| P501 | Dispose of contents/container according to Section 13 |

Signal Word: Warning**Section 3 - Hazardous Composition**

| Chemical Name | CAS number | Weight Concentration % |
|--|------------|------------------------|
| Mineral Spirits | 8052-41-3 | 30.00% - 50.00% |
| Solvent Naptha, Petroleum, Heavy Aromatic | 64742-94-5 | 1.00% - 5.00% |
| 1,2,4-Trimethylbenzene | 95-63-6 | 1.00% - 5.00% |
| Nonane | 111-84-2 | 1.00% - 5.00% |
| Mineral Spirits | 64742-88-7 | 0.00% - 5.00% |
| Toluene | 108-88-3 | 0.10% - 1.00% |
| Bis(1,2,2,6,6-pentamethyl-4-piperidinyI) | 41556-26-7 | 0.10% - 1.00% |
| Naphthalene | 91-20-3 | 0.10% - 1.00% |
| Ethylbenzene | 100-41-4 | 0.10% - 1.00% |
| Methyl1,2,2,6,6-pentamethyl-4-piperidinyI) | 82919-37-7 | 0.10% - 1.00% |

(1) Napthalene - WARNING: This product contains a chemical known to the State of California to cause cancer.

(2) Ethyl Benzene - WARNING: This product contains a chemical known to the State of California to cause cancer.

Section 4 - First Aid

Inhalation: Remove subject to fresh air. Give artificial respiration if breathing has stopped. Seek medical attention.

Eye: Flush with water for 15 minutes. Remove contact lenses, if present and easy to do so. If symptoms develop and persist seek medical attention.

Skin: Wash with soap and water. Remove contaminated clothing. Seek medical attention for irritation.

Ingestion: If swallowed, dilute by giving 2 or more glasses of water to drink ONLY IF CONSCIOUS! Do not induce vomiting. Seek medical attention IMMEDIATELY.

Section 5 - Fire Fighting

Flash Point: 37 C (99 F)

LEL: N/A

UEL: N/A

Extinguishing Media: Foam, Carbon Dioxide, Dry Chemical, Powder. Do NOT use high pressure Water Spray, as this will spread the fire.

Unusual Fire and Explosion Hazards: Vapors can travel to a source of ignition and flash back. Closed containers may rupture via pressure build-up when exposed to fire or extreme heat. During a fire, irritating and highly toxic gases and/or fumes may generate during combustion or decomposition.

Hazardous Byproducts: Combustion will yield oxides of carbon and nitrogen, as well as, monomer fume.

Fire Fighting Procedures: Move containers promptly out of fire zone. If removal is impossible, keep containers cool with water spray. Remain upwind and avoid breathing smoke or fumes.

Special Precautions: Wear self-contained breathing apparatus and full protective gear.

Section 6 - Release

Personal precautions, protective equipment and emergency procedures: Appropriate protective equipment must be worn when handling a spill of this material. See Section - 8 Exposure Control for recommendations. If exposed to material during clean-up operations, see Section 4 - First Aid for actions to follow.

Environmental precautions: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods and materials for containment and clean-up: Eliminate all ignition sources. Evacuate personnel to safe areas. Ventilate the area to dissipate vapor. Floor may be slippery; use care to avoid falling. Soak up spills with inert absorbent material. Sweep up and collect in suitable container for disposal. Avoid breathing vapor.

Section 7 - Handling

Precautions and 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 mixture is flammable, and heating may generate vapors which may form explosive vapor/air mixtures. Do not smoke or use near other sources of ignition. Read label before use.

Conditions for safe storage: Keep away from heat, sparks and open flame. Store in a cool, well-ventilated place. Keep out of the reach of children.

Section 8 - Exposure Control

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|--|--|-----------------------|------------------------------|
| Mineral Spirits 8052-41-3 | PEL TWA 500 PPM TWA 2900 mg/m3 REL TWA 350 mg/m3 | TLV 100 PPM | Not Established |
| Solvent Naptha, Petroleum, Heavy Aromatic 64742-94-5 | PEL 500 PPM | Not Established | Not Established |
| 1,2,4-Trimethylbenzene 95-63-6 | Not Established | TWA 25 ppm | NIOSH TWA 25ppm/125 mg/m3 |
| Nonane 111-84-2 | TWA 200 PPM | TWA 200 ppm | Not Established |
| Mineral Spirits 64742-88-7 | PEL 2900 mg/m3, 500 ppm TWA 525 mg/m3, 100 ppm | Not Established | Not Established |
| Toluene 108-88-3 | TWA 100PPM/375 mg/m3 STEL 150ppm/560 mg/m3 | Not Established | Not Established |
| Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) 41556-26-7 | Not Established | Not Established | Not Established |
| Naphthalene 91-20-3 | TWA 10ppm/50 mg/m3 ST 15ppm/ 75 mg/m3 | TWA 10 ppm SKIN | Not Established |
| Ethylbenzene 100-41-4 | TWA 100 ppm/435 mg/m3 ST 125 ppm/545 mg/m3 | TWA 20 ppm | Not Established |
| Methyl(1,2,2,6,6-pentamethyl-4-piperidinyl) 82919-37-7 | Not Established | Not Established | Not Established |

Engineering Controls: Use explosion proof ventilation equipment. Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of possible vapor. Provide easy access to water supply, eye wash or emergency shower.

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 work clothes should be kept separate.

Personal Protective Equipment: Wear approved safety glasses or goggles. Wear solvent-resistant gloves. Be aware that liquid may penetrate the gloves, suitable gloves can be recommended by the glove supplier.

Section 9 - Properties

Properties listed are typical and not to be used as a specification.

| | |
|---|--|
| <p>Appearance: Liquid</p> <p>Vapor Pressure: Not available</p> <p>Vapor Density: Not available</p> <p>Density: 0.88 - 0.90</p> <p>Freezing point: Not available</p> <p>Boiling range: Not available</p> | <p>Odor: Mineral Spirits</p> <p>Odor threshold: Not available</p> <p>pH: Not applicable</p> <p>Melting point: Not applicable</p> <p>Solubility: Not soluble</p> <p>Flash point: 37°C, 99°F</p> |
|---|--|

| | |
|--|--|
| <p>Evaporation rate: Not available</p> <p>Explosive Limits: Not available</p> <p>Auto ignition temperature: Not available</p> <p>Viscosity: 600-4500 cPs</p> <p>MIR 1.01 – 1.09</p> | <p>Flammability: Not applicable</p> <p>Partition coefficient (n-octanol/water): Not available</p> <p>Decomposition temperature: Not available</p> <p>Grams/Liter VOC less water: 512 - 536</p> |
|--|--|

Section 10 - Reactivity

Under normal conditions this mixture is considered to be:
STABLE

Materials that are known to be incompatible with this mixture and should be avoided, if applicable:

Not Applicable

Risk of hazardous decomposition:

Not Applicable

Hazardous polymerization will not occur.

Section 11 - Toxicology

Mixture Toxicity

Oral Toxicity LD50: 601mg/kg

Inhalation Toxicity LC50: 15mg/L

Component Toxicity

Possible routes of entry or exposure:

Inhalation Skin Contact Eye Contact Ingestion

Possible target organs of exposure to this mixture:

Eyes Kidneys Liver Lungs GI Tract Respiratory System

Effects of Overexposure

Carcinogenicity: This mixture as a whole has not been tested to determine its carcinogenic properties. The components of this mixture that are reported as possible or known carcinogens are as follows:

| <u>CAS Number</u> | <u>Description</u> | <u>% Weight</u> | <u>Carcinogen Rating</u> |
|-------------------|--------------------|-----------------|---|
| 100-41-4 | Ethylbenzene | 0.1% - 1.0% | Ethylbenzene: Caused cancer in laboratory animal studies. The relevance of these findings to humans is uncertain. |
| 91-20-3 | Naphthalene | 0.1% - 1.0% | Naphthalene: Caused cancer in laboratory animal studies. The relevance of these findings to humans is uncertain. |

Acute Toxicity: May cause central nervous system effects.

Section 12 - Ecological Toxicity

Ecotoxicity: This mixture as a whole has not been tested to determine its ecological toxicity. The components of this mixture with documented ecological data are as follows:

Component Ecotoxicity

SDS for: MSA Varnishes

| | |
|---|--|
| Solvent Naptha, Petroleum, Heavy Aromatic | LC50, RAINBOW TROUT, 96h, 3.6 mg/l EC50, WATER FLEA, 48h, 1.1 mg/l EC50, GREEN ALGAE, 72h 7.2 mg/l |
| 1,2,4-Trimethylbenzene | LC50, FATHEAD MINNOW, 96h, 7.72mg/l EC50, WATER FLEA, 48h, 3.6mg/l |
| Nonane | EC50, WATER FLEA, 48 h, 0.2 mg/l |
| Toluene | LC50, RAINBOW TROUT, 96h, 7.63mg/l EC50, WATER FLEA, 24h, 8.00 mg/l EC50, GREEN ALGAE, 24h, 10.00 mg/l |
| Bis(1,2,2,6,6-pentamethyl-4-piperid inyl) | LC50 Lepomis Macrochirus 1 mg/l 96h EC50 Water Flea 20 mg/l 48h |
| Naphthalene | LC50, RAINBOW TROUT, 96h, 0.11 mg/l EC50, WATER FLEA, 48h, 1.6 - 24.1 mg/l |
| Ethylbenzene | LC50, RAINBOW TROUT, 96h, 4.2 mg/l EC50, WATER FLEA, 1d, 2.2 mg/l EC50, GREEN ALGAE, 72h, GROWTH INHIBITION 3.6 - 4.6 mg/l |

Section 13 - Disposal

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

Section 14 - Transport

| <u>Agency</u> | <u>Proper Shipping Name</u> | <u>UN Number</u> | <u>Packing</u> | <u>Hazard Class</u> |
|---------------|-------------------------------|------------------|----------------|---------------------|
| DOT | PAINT Marine Pollutant | 1263 | III | 3 |
| IATA | PAINT Environmental Hazard | 1263 | III | 3 |
| IMDG | PAINT Marine Pollutant | 1263 | III | 3 |

Section 15 - Regulatory

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

| | | |
|----------|--------------|--------------------|
| 108-88-3 | Toluene | Reproductive Toxin |
| 91-20-3 | Naphthalene | Carcinogen |
| 100-41-4 | Ethylbenzene | Carcinogen |

| <u>Country</u> | <u>Regulation</u> | <u>All Components Listed</u> |
|----------------|--|------------------------------|
| AUSTRALIA | AICS- Australian Inventory of Chemical Substances | Yes |
| CANADA | Domestic Substances List (DSL) and Non-Domestic | Yes |
| EUROPE | European Inventory of Existing Commercial Chemical | Yes |
| EUROPE | European List of Notified Chemical Substances | No |

| | | |
|--------------|--|-----|
| JAPAN | Inventory of Existing and New Chemical Substances | No |
| CHINA | Inventory of Existing Chemical Substances in China | Yes |
| KOREA | Korean Existing Chemicals Inventory (KECI) | Yes |
| NEW ZEALAND | New Zealand Inventory of Chemicals (NZIoC) | Yes |
| PHILLIPPINES | Philippine Inventory of Chemicals and Chemical | Yes |
| USA | Toxic Substances Control Act (TSCA) Inventory | Yes |

Section 16 - Other Information

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

Date revised: 2018-11-06
Date Prepared: 2/27/2019

Reviewer Revision