

Safety Data Sheet

Section 1 - Identification



ARCHIVAL

Gloss Archival Varnish / 7731
Satin Archival Varnish / 7736
Matte Archival Varnish / 7741
Semi-Gloss Archival Varnish / 7746

GOLDEN ARTIST COLORS, INC.
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NEW BERLIN, NY 13411

Phone: (607)847-6154
In US only: (800)959-6543

Prepared by: Regulatory Department
Product Use: Protective Coating for Art
Not recommended for: Use by children

Section 2 - Hazards Identification

GHS Ratings:

Flammable aerosol	1	Flammable aerosol class 1
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: ≥ 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
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

GHS Hazards

H222	Extremely flammable material
H315	Causes skin irritation
H319	Causes serious eye irritation
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

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
P211	Do not spray on an open flame or other ignition source
P251	Pressurized container – Do not pierce or burn, even after use
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
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
P302+P352	IF ON SKIN: Wash with soap and water
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P337+P313	If eye irritation persists, get medical advice/attention
P405	Store locked up
P403+P233	Store in a well ventilated place. Keep container tightly closed
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501	Dispose of contents/container according to Section 13

Signal Word: **Danger**



Section 3 - Hazardous Composition

Chemical Name	CAS number	Weight Concentration %
Acetone	67-64-1	30.00% - 40.00%
Propane/Butane Mixture	68476-86-8	20.00% - 30.00%
Mineral Spirits	8052-41-3	10.00% - 20.00%
Nonane	111-84-2	1.00% - 5.00%
1,2,4-Trimethylbenzene	95-63-6	1.00% - 5.00%
Solvent Naptha, Petroleum, Heavy Aromatic	64742-94-5	1.00% - 5.00%
Toluene	108-88-3	0.10% - 1.00%
Bis(1,2,2,6,6-pentamethyl-4-piperidiny)	41556-26-7	0.10% - 1.00%
Naphthalene	91-20-3	0.10% - 1.00%
Ethylbenzene	100-41-4	0.10% - 1.00%

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

(2) Naphthalene - 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: -105 C (-157 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
Acetone 67-64-1	TWA 1000ppm, 2400 mg/m ³	TWA 250ppm STEL 500ppm	Not Established
Propane/Butane Mixture 68476-86-8	Not Established	Not Established	Not Established
Mineral Spirits 8052-41-3	PEL TWA 500 PPM TWA 2900 mg/m ³ REL TWA 350 mg/m ³	TLV 100 PPM	Not Established

Nonane 111-84-2	TWA 200 PPM	TWA 200 ppm	Not Established
1,2,4-Trimethylbenzene 95-63-6	Not Established	TWA 25 ppm	NIOSH TWA 25ppm/125 mg/m3
Solvent Naptha, Petroleum, Heavy Aromatic 64742-94-5	PEL 500 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-p iperidinyl) 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

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: Aerosol</p> <p>Form: Aerosol can</p> <p>Odor: Acetone like</p> <p>Odor threshold: Not available</p> <p>pH: Not available</p> <p>Melting point: Not applicable</p> <p>Solubility: Not soluble</p> <p>Flash point: -105°C, -157°F</p> <p>Flammability: Not applicable</p> <p>Partition coefficient (n-octanol/water): Not available</p> <p>Decomposition temperature: Not available</p> <p>VOC g/l (less Water) 164 - 173</p>	<p>Physical state: Liquid</p> <p>Color: Clear</p> <p>Vapor Pressure: Not available</p> <p>Vapor Density: Not available</p> <p>Density: 0.74</p> <p>Freezing point: Not available</p> <p>Boiling range: Not available</p> <p>Evaporation rate: Not available</p> <p>Explosive Limits: Not available</p> <p>Auto ignition temperature: Not available</p> <p>Viscosity: Not available</p>
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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: 1,353mg/kg

Inhalation Toxicity LC50: 27mg/L

Component Toxicity

8052-41-3	Mineral Spirits Oral LD50: 5,000 mg/kg (RAT), Dermal LD50: 2,000 mg/kg (RABBIT)
64742-94-5	Solvent Naptha, Petroleum, Heavy Aromatic Dermal LD50: 3,160 mg/kg (RABBIT)
41556-26-7	Bis(1,2,2,6,6-pentamethyl-4-piperidinyI) Oral LD50: 2,615 mg/kg (RAT)
91-20-3	Naphthalene Oral LD50: 490 mg/kg (RAT), Dermal LD50: 2,500 mg/kg (RAT)
100-41-4	Ethylbenzene Oral LD50: 3,500 mg/kg (RAT)

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

Acetone	LC50 Rainbow Trout 5540 mg/l 96h LC50 Water Flea 8800 mg/l 48h
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Nonane	EC50, WATER FLEA, 48 h, 0.2 mg/l
1,2,4-Trimethylbenzene	LC50, FATHEAD MINNOW, 96h, 7.72mg/l EC50, WATER FLEA, 48h, 3.6mg/l
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
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-piperidiny)	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	Aerosols	UN1950		2.1
IATA	Aerosols	UN1950		2.1
IMDG	Aerosols	UN1950		2.1

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

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Reviewer Revision 2

Date Prepared: 3/21/2019