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.
188 BELL ROAD
NEW BERLIN, NY 13411

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 >= 23°C and <= 60°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

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-piperidinyl)	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-piperidinyl)	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 s 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
Methyl1,2,2,6,6-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.

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

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

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:

CAS Number	Description	% Weight	Carcinogen Rating
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

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-piperidinyl)	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

Agency	Proper Shipping Name	UN Number	Packing	Hazard Class
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

Country	Regulation	All Components Listed
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 Reviewer Revision

Date Prepared: 2/27/2019

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.
188 BELL ROAD
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-piperidinyl)	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 s 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/m3	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/m3 REL TWA 350 mg/m3	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-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

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.

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

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-piperidinyl) 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:

CAS Number	Description	% Weight	Carcinogen Rating
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

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-piperidinyl)	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

Agency	Proper Shipping Name	UN Number	Packing	Hazard Class
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

Country	Regulation	All Components Listed
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.

Date revised: 2019-03-21 Reviewer Revision 2

Date Prepared: 3/21/2019

SAFETY DATA SHEET

1. Identification

Product identifier **GOLDEN MSA Solvent**

Other means of identification

Product code 77**

Recommended use Artist use.

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
	Carcinogenicity	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 2 (Kidney)
	Aspiration hazard	Category 1

OSHA defined hazards Not classified.

Label elements

Signal word Danger

Hazard statement 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. Wash thoroughly after handling.

Response If exposed or concerned: Call a poison center/doctor. If swallowed: Call a poison center/doctor if you feel unwell. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation 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 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	0-<=100
Trimethylbenzene	25551-13-7	0-<10
Cumene	98-82-8	0-<1.5
Naphthalene	91-20-3	0-<1
Ethylbenzene	100-41-4	0-<0.5

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 injured person into fresh air and keep person calm under observation. Get medical attention if any discomfort continues.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

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. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention immediately.

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. Defats the skin.

Indication of immediate medical attention and special treatment needed Treat symptomatically. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure.

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 During fire, gases hazardous to health may be formed. Solvent vapors may form explosive mixtures with air.

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/dust 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. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.

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

7. Handling and storage

Precautions for safe handling

Read label before use. 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. Vapors are heavier than air and may travel along the floor and in the bottom of containers. Vapors may be ignited by a spark, a hot surface or an ember. Do not smoke and do not spray near a naked flame or other sources of ignition. 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. Store away from incompatible materials. 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
Cumene (CAS 98-82-8)	PEL	245 mg/m3
		50 ppm
Ethylbenzene (CAS 100-41-4)	PEL	435 mg/m3
		100 ppm
Naphthalene (CAS 91-20-3)	PEL	50 mg/m3
		10 ppm
Stoddard solvent (CAS 8052-41-3)	PEL	2900 mg/m3
		500 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Cumene (CAS 98-82-8)	TWA	50 ppm
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Naphthalene (CAS 91-20-3)	STEL	15 ppm
	TWA	10 ppm
Stoddard solvent (CAS 8052-41-3)	TWA	100 ppm
Trimethylbenzene (CAS 25551-13-7)	TWA	25 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
Cumene (CAS 98-82-8)	TWA	245 mg/m3
		50 ppm
Ethylbenzene (CAS 100-41-4)	TWA	435 mg/m3
		100 ppm
Naphthalene (CAS 91-20-3)	TWA	50 mg/m3
		10 ppm
Stoddard solvent (CAS 8052-41-3)	TWA	350 mg/m3
Trimethylbenzene (CAS 25551-13-7)	TWA	125 mg/m3
		25 ppm

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

Components	Type	Value
Ethylbenzene (CAS 100-41-4)	STEL	545 mg/m3
		125 ppm
Naphthalene (CAS 91-20-3)	STEL	75 mg/m3
		15 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS 100-41-4)	0.7 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*

* - For sampling details, please see the source document.

Exposure guidelines

US - California OELs: Skin designation

Cumene (CAS 98-82-8) Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

Cumene (CAS 98-82-8) Skin designation applies.

US - Tennesse OELs: Skin designation

Cumene (CAS 98-82-8) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

US. NIOSH: Pocket Guide to Chemical Hazards

Cumene (CAS 98-82-8) Can be absorbed through the skin.

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

Cumene (CAS 98-82-8) Can be absorbed through the skin.

Appropriate engineering controls Use explosion-proof equipment. Provide adequate ventilation and minimize the risk of inhalation of vapors and mists. 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 Wear protective gloves. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.

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.

9. Physical and chemical properties

Appearance Colorless liquid.

Physical state Liquid.

Form Liquid.

Color Colorless.

Odor Hydrocarbon-like.

Odor threshold Not available.

pH Not applicable.

Melting point/freezing point -94 °F (-70 °C)

Initial boiling point and boiling range 315 °F (157.22 °C)

Flash point 105.0 °F (40.6 °C) Tag Closed Cup

Evaporation rate 0.1 (n-Butyl acetate = 1)

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) 1 %

Flammability limit - upper (%) 6 %

Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	2000 mmHg (20°C)
Vapor density	4.9 (Air = 1)
Relative density	0.772 (15.56°C)
Solubility(ies)	Negligible (Water)
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	449.6 °F (232 °C)
Decomposition temperature	Not available.
Other information	
Density	0.77 g/cm³ (15.56°C)
Kinematic viscosity	< 3 mm²/s
Kinematic viscosity temperature	104 °F (40 °C)

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. Contact with incompatible materials.
Incompatible materials	Oxidizing acids. Reducing agents. Alkalis. Strong acids. Sulfuric acid.
Hazardous decomposition products	Carbon oxides. Hydrocarbons.

11. Toxicological information

Information on likely routes of exposure

Ingestion	May be fatal if swallowed and enters airways. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Inhalation	May cause central nervous system effects. Vapors and mist may irritate throat and respiratory system and cause coughing.
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. Defats the skin. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure.

Information on toxicological effects

Acute toxicity May cause central nervous system effects.

Components	Species	Test Results
Ethylbenzene (CAS 100-41-4)		
Acute		
Dermal		
LD50	Rabbit	18156 mg/kg
Inhalation		
LC50	Rat	55000 mg/m³
Oral		
LD50	Rat	3500 mg/kg
Naphthalene (CAS 91-20-3)		
Acute		
Dermal		
LD50	Rabbit	> 2 g/kg
Oral		
LD50	Rat	490 mg/kg

Components	Species	Test Results
Stoddard solvent (CAS 8052-41-3)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Inhalation		
LC50	Rat	> 5.2 mg/l, 4 hours
Oral		
LD50	Rat	> 5000 mg/kg
Trimethylbenzene (CAS 25551-13-7)		
Acute		
Dermal		
LD50	Rabbit	> 3160 mg/kg
Inhalation		
LC50	Rat	> 2000 mg/l, 48 Hours

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation May cause eye irritation.

Respiratory sensitization None known.

Skin sensitization None known.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Suspect cancer hazard.

IARC Monographs. Overall Evaluation of Carcinogenicity

Cumene (CAS 98-82-8)	2B Possibly carcinogenic to humans.
Naphthalene (CAS 91-20-3)	2B Possibly carcinogenic to humans.

NTP Report on Carcinogens

Naphthalene (CAS 91-20-3)	Reasonably Anticipated to be a Human Carcinogen.

Reproductive toxicity Not available.

Specific target organ toxicity - single exposure Vapors may cause drowsiness and dizziness.

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

Aspiration hazard May be fatal if swallowed and enters airways. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Chronic effects May cause damage to the kidneys. Organic solvents may be absorbed into the body by inhalation and cause permanent damage to the nervous system, including the brain.

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Components		Species	Test Results
Cumene (CAS 98-82-8)			
Aquatic			
Crustacea	EC50	Brine shrimp (Artemia sp.)	3.55 - 11.29 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.7 mg/l, 96 hours
Ethylbenzene (CAS 100-41-4)			
Aquatic			
Crustacea	EC50	Daphnia	2.1 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	32 - 88 mg/l, 96 hours
		Fathead minnow (Pimephales promelas)	12.1 mg/l, 96 hours
Naphthalene (CAS 91-20-3)			
Aquatic			
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

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

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

Ethylbenzene (CAS 100-41-4)	3.15
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

Cumene (CAS 98-82-8)	U055
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 including paint thinning, drying, removing, or reducing compound
Transport hazard class(es)	3
Subsidiary class(es)	-
Packing group	III
Special precautions for user	Not available.
Special provisions	B1, B52, IB3, T2, TP1, TP29
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)	- III
Packaging group	Yes
Environmental hazards	Not available.
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	Not available.
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.

General information ADR: This material is not regulated if in a container of 119 gallon (450 L) capacity or less.

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)

Cumene (CAS 98-82-8)	LISTED
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.
Trimethylbenzene	25551-13-7	0-<10
Cumene	98-82-8	0-<1.5
Naphthalene	91-20-3	0-<1
Ethylbenzene	100-41-4	0-<0.5

Other federal regulations

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

Cumene (CAS 98-82-8)
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

Cumene (CAS 98-82-8)
Naphthalene (CAS 91-20-3)
Stoddard solvent (CAS 8052-41-3)
Trimethylbenzene (CAS 25551-13-7)

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

Cumene (CAS 98-82-8)	500 lbs
Naphthalene (CAS 91-20-3)	500 lbs
Trimethylbenzene (CAS 25551-13-7)	500 lbs

US. Pennsylvania RTK - Hazardous Substances

Cumene (CAS 98-82-8)
Naphthalene (CAS 91-20-3)
Stoddard solvent (CAS 8052-41-3)
Trimethylbenzene (CAS 25551-13-7)

US. Rhode Island RTK

Cumene (CAS 98-82-8)
Naphthalene (CAS 91-20-3)

US. California Proposition 65

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

Cumene (CAS 98-82-8)
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).

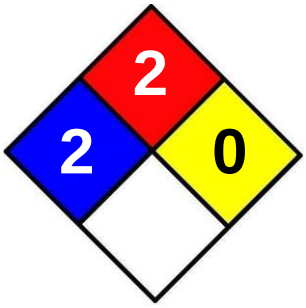
16. Other information, including date of preparation or last revision

Issue date 13-December-2013

Revision date -

Version # 01

NFPA Ratings



References HSDB (2005)
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.

MATERIAL SAFETY DATA SHEET

SECTION 1 – COMPANY AND PRODUCT IDENTIFICATION

Golden Artist Colors, Inc.
188 Bell Road
New Berlin, NY 13411

Date Reviewed: 6/10/13
Phone: (607)847-6154
Prepared by: Ben Gavett

		HAZARDOUS COMPONENTS (See Sec. 3)
0037460	Gel Topcoat w/UVLS	*
0037470	Gel Topcoat w/UVLS (Semi-Gloss)	*,5
0077100	Polymer Varnish Gloss (w/UVLS)	*
0077150	Polymer Varnish Satin (w/UVLS)	*,5
0077200	Polymer Varnish Matte (w/UVLS)	*,5

SECTION 2 - HAZARD IDENTIFICATION

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, which may occur when large volumes of product are used in an area with limited ventilation.

Overexposure to mists from spraying may be irritating to the respiratory tract. Chronic exposure to air-borne amorphous silica may cause chronic pulmonary disease.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Contact may be slightly irritating to eyes.

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Prolonged or repeated contact may be irritating to skin. 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: The Benzotriazolyl compound may cause allergic skin reactions in sensitized individuals.

SECTION 3 - HAZARDOUS COMPONENT INFORMATION

		Max		**OSHA PERMISSIBLE EXPOSURE LIMITS**		
CODE		**%**	**CAS NUMBER**	**TWA**	**STEL**	**CEILING**
*	Ammonia	.2	7664-41-7		35 ppm	
5	Amorphous Silica	5	7631-86-9	6 mg/M^3		
*	Propylene Glycol	5	57-55-6	NE		
*	Benzotriazolyl-OH-Butylphenyl Propionate	1	04810-42-2	NE	-	-

TWA= Time Weighted Average (ave. airborne exposure in 8 hr work shift 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
NE = None established
mg/M^3 = approximate milligrams of substance per cubic meter of air

* contained in all products on this MSDS

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: Flush with water for 15 minutes. Consult Physician.if any symptoms persist.
SKIN CONTACT: Wash with soap and water. Consult Physician.if skin irritation occurs.
INHALATION: Remove subject to fresh air. Consult Physician.if symptoms persist
INGESTION: Consult Physician.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: None **METHOD USED:** N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: **LOWER:** N/A **UPPER:** N/A
EXTINGUISHING MEDIA: Carbon dioxide, water spray, foam or dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus and full protective clothing.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Decomposition and combustion products may be toxic.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Contain spill. Recover material for use or proper disposal. Clean residue with aqueous mopping.

SECTION 7 - HANDLING AND STORAGE

For best product stability, avoid freezing and higher than normal ambient temperatures.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

RESPIRATORY PROTECTION: None required under normal use. When sanding or spraying, use a NIOSH P100 dust and mist respirator. If conditions warrant, a vapor respirator for protection against ammonia may be used.

VENTILATION: General dilution ventilation is recommended at a level sufficient to keep individuals asymptomatic to inhalation exposure.

PROTECTIVE GLOVES: Wear impermeable protective gloves

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None required under normal use.

WORK/HYGIENIC PRACTICES: All chemical 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.

SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: >100^{o}C/212^{o}F
SPECIFIC GRAVITY (H_20=1): 1.02-1.05
VAPOR DENSITY: Heavier than air
pH: 8.5-9.2
SOLUBILITY IN WATER: Miscibile
APPEARANCE AND ODOR: Milky white- slight ammonia odor

SECTION 10 - STABILITY AND REACTIVITY

STABILITY: Stable
INCOMPATIBILITY: May react with strong oxidizers
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Thermal decomposition may yield oxides of carbon, monomer fume and oxide of nitrogen.

SECTION 11 – TOXICOLOGICAL INFORMATION

Oral LD50 - rat: >5000 mg/kg
Dermal LD50 - rabbit: >5000 mg/kg
Eye Irritation – rabbit: not an irritant
Skin Irritation – rabbit: not an irritant

SECTION 12 – ECOLOGICAL INFORMATION

Not readily biodegradable. Extrapolation from ingredient data suggests that acute toxicity to fish is approximately 300 ppm (Rainbow Trout and Bluegill, 96 hour LC 50)

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose as per local regulations. It is best to use all material, rather than dispose of it. If necessary, dispose of as latex paint.

SECTION 14 -TRANSPORT INFORMATION

Not hazardous for shipping via any mode

SECTION 15 – REGULATORY INFORMATION

Consumer Product Labeling: Products are labeled in compliance with 67/548/EEC (EU), FHSA/LHAMA (USA), CCCR (Canada).

SAFETY DATA SHEET

1. Identification

Product identifier **GOLDEN MSA Solvent**

Other means of identification

Product code 77**

Recommended use Artist use.

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
	Carcinogenicity	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 2 (Kidney)
	Aspiration hazard	Category 1

OSHA defined hazards Not classified.

Label elements

Signal word Danger

Hazard statement 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. Wash thoroughly after handling.

Response If exposed or concerned: Call a poison center/doctor. If swallowed: Call a poison center/doctor if you feel unwell. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation 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 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	0-<=100
Trimethylbenzene	25551-13-7	0-<10
Cumene	98-82-8	0-<1.5
Naphthalene	91-20-3	0-<1
Ethylbenzene	100-41-4	0-<0.5

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 injured person into fresh air and keep person calm under observation. Get medical attention if any discomfort continues.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

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. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention immediately.

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. Defats the skin.

Indication of immediate medical attention and special treatment needed Treat symptomatically. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure.

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 During fire, gases hazardous to health may be formed. Solvent vapors may form explosive mixtures with air.

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/dust 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. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.

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

7. Handling and storage

Precautions for safe handling

Read label before use. 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. Vapors are heavier than air and may travel along the floor and in the bottom of containers. Vapors may be ignited by a spark, a hot surface or an ember. Do not smoke and do not spray near a naked flame or other sources of ignition. 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. Store away from incompatible materials. 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
Cumene (CAS 98-82-8)	PEL	245 mg/m3
		50 ppm
Ethylbenzene (CAS 100-41-4)	PEL	435 mg/m3
		100 ppm
Naphthalene (CAS 91-20-3)	PEL	50 mg/m3
		10 ppm
Stoddard solvent (CAS 8052-41-3)	PEL	2900 mg/m3
		500 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Cumene (CAS 98-82-8)	TWA	50 ppm
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Naphthalene (CAS 91-20-3)	STEL	15 ppm
	TWA	10 ppm
Stoddard solvent (CAS 8052-41-3)	TWA	100 ppm
Trimethylbenzene (CAS 25551-13-7)	TWA	25 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
Cumene (CAS 98-82-8)	TWA	245 mg/m3
		50 ppm
Ethylbenzene (CAS 100-41-4)	TWA	435 mg/m3
		100 ppm
Naphthalene (CAS 91-20-3)	TWA	50 mg/m3
		10 ppm
Stoddard solvent (CAS 8052-41-3)	TWA	350 mg/m3
Trimethylbenzene (CAS 25551-13-7)	TWA	125 mg/m3
		25 ppm

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

Components	Type	Value
Ethylbenzene (CAS 100-41-4)	STEL	545 mg/m3
		125 ppm
Naphthalene (CAS 91-20-3)	STEL	75 mg/m3
		15 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS 100-41-4)	0.7 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*

* - For sampling details, please see the source document.

Exposure guidelines

US - California OELs: Skin designation

Cumene (CAS 98-82-8) Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

Cumene (CAS 98-82-8) Skin designation applies.

US - Tennesse OELs: Skin designation

Cumene (CAS 98-82-8) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

US. NIOSH: Pocket Guide to Chemical Hazards

Cumene (CAS 98-82-8) Can be absorbed through the skin.

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

Cumene (CAS 98-82-8) Can be absorbed through the skin.

Appropriate engineering controls Use explosion-proof equipment. Provide adequate ventilation and minimize the risk of inhalation of vapors and mists. 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 Wear protective gloves. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.

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.

9. Physical and chemical properties

Appearance Colorless liquid.

Physical state Liquid.

Form Liquid.

Color Colorless.

Odor Hydrocarbon-like.

Odor threshold Not available.

pH Not applicable.

Melting point/freezing point -94 °F (-70 °C)

Initial boiling point and boiling range 315 °F (157.22 °C)

Flash point 105.0 °F (40.6 °C) Tag Closed Cup

Evaporation rate 0.1 (n-Butyl acetate = 1)

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) 1 %

Flammability limit - upper (%) 6 %

Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	2000 mmHg (20°C)
Vapor density	4.9 (Air = 1)
Relative density	0.772 (15.56°C)
Solubility(ies)	Negligible (Water)
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	449.6 °F (232 °C)
Decomposition temperature	Not available.
Other information	
Density	0.77 g/cm³ (15.56°C)
Kinematic viscosity	< 3 mm²/s
Kinematic viscosity temperature	104 °F (40 °C)

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. Contact with incompatible materials.
Incompatible materials	Oxidizing acids. Reducing agents. Alkalis. Strong acids. Sulfuric acid.
Hazardous decomposition products	Carbon oxides. Hydrocarbons.

11. Toxicological information

Information on likely routes of exposure

Ingestion	May be fatal if swallowed and enters airways. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Inhalation	May cause central nervous system effects. Vapors and mist may irritate throat and respiratory system and cause coughing.
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. Defats the skin. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure.

Information on toxicological effects

Acute toxicity May cause central nervous system effects.

Components	Species	Test Results
Ethylbenzene (CAS 100-41-4)		
Acute		
Dermal		
LD50	Rabbit	18156 mg/kg
Inhalation		
LC50	Rat	55000 mg/m³
Oral		
LD50	Rat	3500 mg/kg
Naphthalene (CAS 91-20-3)		
Acute		
Dermal		
LD50	Rabbit	> 2 g/kg
Oral		
LD50	Rat	490 mg/kg

Components	Species	Test Results
Stoddard solvent (CAS 8052-41-3)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Inhalation		
LC50	Rat	> 5.2 mg/l, 4 hours
Oral		
LD50	Rat	> 5000 mg/kg
Trimethylbenzene (CAS 25551-13-7)		
Acute		
Dermal		
LD50	Rabbit	> 3160 mg/kg
Inhalation		
LC50	Rat	> 2000 mg/l, 48 Hours

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation May cause eye irritation.

Respiratory sensitization None known.

Skin sensitization None known.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Suspect cancer hazard.

IARC Monographs. Overall Evaluation of Carcinogenicity

Cumene (CAS 98-82-8)	2B Possibly carcinogenic to humans.
Naphthalene (CAS 91-20-3)	2B Possibly carcinogenic to humans.

NTP Report on Carcinogens

Naphthalene (CAS 91-20-3)	Reasonably Anticipated to be a Human Carcinogen.

Reproductive toxicity Not available.

Specific target organ toxicity - single exposure Vapors may cause drowsiness and dizziness.

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

Aspiration hazard May be fatal if swallowed and enters airways. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Chronic effects May cause damage to the kidneys. Organic solvents may be absorbed into the body by inhalation and cause permanent damage to the nervous system, including the brain.

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Components		Species	Test Results
Cumene (CAS 98-82-8)			
Aquatic			
Crustacea	EC50	Brine shrimp (Artemia sp.)	3.55 - 11.29 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.7 mg/l, 96 hours
Ethylbenzene (CAS 100-41-4)			
Aquatic			
Crustacea	EC50	Daphnia	2.1 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	32 - 88 mg/l, 96 hours
		Fathead minnow (Pimephales promelas)	12.1 mg/l, 96 hours
Naphthalene (CAS 91-20-3)			
Aquatic			
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

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

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

Ethylbenzene (CAS 100-41-4)	3.15
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

Cumene (CAS 98-82-8)	U055
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 including paint thinning, drying, removing, or reducing compound
Transport hazard class(es)	3
Subsidiary class(es)	-
Packing group	III
Special precautions for user	Not available.
Special provisions	B1, B52, IB3, T2, TP1, TP29
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)	- III
Packaging group	Yes
Environmental hazards	Not available.
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	Not available.
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.

General information ADR: This material is not regulated if in a container of 119 gallon (450 L) capacity or less.

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)

Cumene (CAS 98-82-8)	LISTED
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.
Trimethylbenzene	25551-13-7	0-<10
Cumene	98-82-8	0-<1.5
Naphthalene	91-20-3	0-<1
Ethylbenzene	100-41-4	0-<0.5

Other federal regulations

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

Cumene (CAS 98-82-8)
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

Cumene (CAS 98-82-8)
Naphthalene (CAS 91-20-3)
Stoddard solvent (CAS 8052-41-3)
Trimethylbenzene (CAS 25551-13-7)

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

Cumene (CAS 98-82-8)	500 lbs
Naphthalene (CAS 91-20-3)	500 lbs
Trimethylbenzene (CAS 25551-13-7)	500 lbs

US. Pennsylvania RTK - Hazardous Substances

Cumene (CAS 98-82-8)
Naphthalene (CAS 91-20-3)
Stoddard solvent (CAS 8052-41-3)
Trimethylbenzene (CAS 25551-13-7)

US. Rhode Island RTK

Cumene (CAS 98-82-8)
Naphthalene (CAS 91-20-3)

US. California Proposition 65

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

Cumene (CAS 98-82-8)
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).

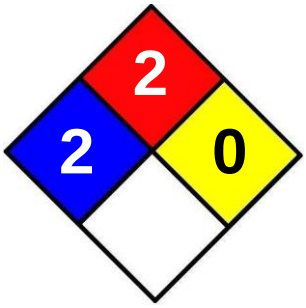
16. Other information, including date of preparation or last revision

Issue date 13-December-2013

Revision date -

Version # 01

NFPA Ratings



References HSDB (2005)
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.