

## SAFETY DATA SHEET

#### **SECTION 1 - Chemical Product and Company Information**

Product Name: GEM VAR CONV. VARNISH, SATIN, WHITE Product Code: UCV-1020

Manufactured by: Gemini Coatings 2300 Holloway Drive El Reno, OK 73036 800-262-5710

24- Hour Emergency (Spill, Leak, Exposure or Accident): INFOTRAC 800-535-5053 Outside USA, Call Collect 1-352-323-3500

#### 24- Hour Emergency HAZMAT Response and MSDS Help: EMI 800-510-8510

Product Use: A protective and/or decorative finish or accompanying product (reference label or product data sheet for more information).

Not recommended for: Any other use not detailed on product data sheet or label.

#### **SECTION 2 - Hazards Identification**

#### **GHS Ratings:**

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)	
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation	
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5	
Mutagen	1B	Known to produce heritable mutations in human germ cellsSubcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity	
Carcinogen	1A	Known Human Carcinogen Based on human evidence	
Reproductive toxin	1A	Based on human evidence	

#### **GHS Hazards**

H225	Highly flammable liquid and vapour
H315	Causes skin irritation
H318	Causes serious eye damage
H340	May cause genetic defects
H350	May cause cancer
H360	May damage fertility or the
	unborn child

#### **GHS Precautions**

P201 P202	Obtain special instructions before use 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/mixers/equipm ent
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P264	Wash any exposed skin thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required

P310	Immediately call a POISON CENTER or
P321	doctor/physician
1 52 1	Specific treatment (see First Aid section on this label)
P362	Take off contaminated clothing and
	wash before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P35	IF ON SKIN (or hair): Remove/Take off
3	immediately all contaminated clothing.
	Rinse skin with water/shower
P305+P351+P33	IF IN EYES: Rinse continuously with
8	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
D070 · D070	advice/attention
P370+P378	In case of fire: Use the NFPA Class B
DAOE	extinguisher for extinction
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep
P501	cool
P501	Do not flush to sewer, watershed or
	waterway. Dispose of product in
	accordance with applicable local,
	county, state and federal regulations.

Signal Word: Danger

SECTION 3 - Composition/Information on Ingredients			
Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Titanium dioxide 13463-67-7 19%	15 mg/m3 TWA (total dust)	10 mg/m3 TWA	
1-Butanol 71-36-3 14%	100 ppm TWA; 300 mg/m3 TWA	20 ppm TWA	NIOSH: 50 ppm Ceiling; 150 mg/m3 Ceiling
n-Butyl acetate 123-86-4 10%	150 ppm TWA; 710 mg/m3 TWA	150 ppm STEL (listed under Butyl acetates, all isomers) 50 ppm TWA (listed under Butyl acetates, all isomers)	NIOSH: 150 ppm TWA; 710 mg/m3 TWA 200 ppm STEL; 950 mg/m3 STEL
Ethyl alcohol 64-17-5 10%	1000 ppm TWA; 1900 mg/m3 TWA	1000 ppm STEL	NIOSH: 1000 ppm TWA; 1900 mg/m3 TWA
Xylenes (o-, m-, p- isomers) 1330-20-7 5%	100 ppm TWA; 435 mg/m3 TWA	150 ppm STEL 100 ppm TWA	

Propylene glycol		100 ppm STEL	NIOSH: 100 ppm TWA;
monomethyl ether		50 ppm TWA	360 mg/m3 TWA
107-98-2			150 ppm STEL; 540
5%			mg/m3 STEL
Cellulose acetate butyrate			
9004-36-8			
4%			
Ethylene glycol monopropyl			
ether			
2807-30-9			
2%			
Ethylbenzene	100 ppm TWA; 435 mg/m3	20 ppm TWA	NIOSH: 100 ppm TWA;
100-41-4	TWA		435 mg/m3 TWA
1%			125 ppm STEL; 545
			mg/m3 STEL
Silica, amorphous, fumed,			
crystalline-free			
112945-52-5			
1%			
Aluminum hydroxide (Al(OH)			
3)			
21645-51-2			
1%			
Silica, amorphous			NIOSH: 6 mg/m3 TWA
7631-86-9			
1%			
Methyl propyl ketone	200 ppm TWA; 700 mg/m3	150 ppm STEL	NIOSH: 150 ppm TWA;
107-87-9	TWA		530 mg/m3 TWA
1%			

#### **SECTION 4 - First Aid Measures**

#### Inhalation:

Remove exposed individual to fresh air and assist breathing if necessary. Seek medical attention.

#### Eye Contact:

Flush eyes with lukewarm water for 15 minutes. Seek medical attention immediately.

#### Skin:

Remove contaminated clothing, wash area immediately with soap and water. See physician if irritation persists. **Ingestion:** 

### Rinse mouth out immediately. Drink 1 or 2 glasses of water to dilute. <u>DO NOT</u> induce vomiting. Contact physician or poison control center immediately.

#### **SECTION 5 - Fire Fighting Measures**

#### Alcohol Foam, CO2, Dry Chemical

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. Do not apply to hot surfaces. Never use welding or cutting torch on or near container (even empty) because product (even residue) may ignite explosively. Liquid and vapor states of this substance are dangerous fire hazards and moderate explosion hazards when exposed to heat or flame. Oxidation may produce carbon and nitrogen oxides.

Clear fire area of unprotected personnel. Do not enter confined space without helmet, face shield, bunker coat, gloves, rubber boots and a positive pressure NIOSH-approved self-contained breathing apparatus. A water stream can scatter flames. A spray of water may be used to cool closed containers to prevent pressure buildup and possible auto ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable. Use the National Fire Protection Association Class B extinguisher.

#### **SECTION 6 - Accidental Release Measures**

Stay upwind and away from spill or leak unless wearing appropriate protective equipment. Stop and/or contain discharge if it may be done safely. Keep all sources of ignition away. Ventilate area of spill. Use non-sparking tools

for clean up. Cover with inert material to reduce fumes. Keep out of drains, sewer or waterways.

If large spill occurs, alert spill response teams. Contact fire authorities. Notify local health and pollution control agencies.

#### **SECTION 7- Handling and Storage**

#### Handling:

Bond and ground metal containers when transferring liquid. Avoid free fall of liquid in excess of a few inches. Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected skin areas with water. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this sheet must be observed.

#### Storage:

Keep product containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. DO NOT SMOKE in or near storage areas.

SECTION 8 - Exposure Controls/Personal Protection			
Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Titanium dioxide 13463-67-7	15 mg/m3 TWA (total dust)	10 mg/m3 TWA	
1-Butanol 71-36-3	100 ppm TWA; 300 mg/m3 TWA	20 ppm TWA	NIOSH: 50 ppm Ceiling; 150 mg/m3 Ceiling
n-Butyl acetate 123-86-4	150 ppm TWA; 710 mg/m3 TWA	150 ppm STEL (listed under Butyl acetates, all isomers) 50 ppm TWA (listed under Butyl acetates, all isomers)	NIOSH: 150 ppm TWA; 710 mg/m3 TWA 200 ppm STEL; 950 mg/m3 STEL
Ethyl alcohol 64-17-5	1000 ppm TWA; 1900 mg/m3 TWA	1000 ppm STEL	NIOSH: 1000 ppm TWA; 1900 mg/m3 TWA
Xylenes (o-, m-, p- isomers) 1330-20-7	100 ppm TWA; 435 mg/m3 TWA	150 ppm STEL 100 ppm TWA	
Propylene glycol monomethyl ether 107-98-2		100 ppm STEL 50 ppm TWA	NIOSH: 100 ppm TWA; 360 mg/m3 TWA 150 ppm STEL; 540 mg/m3 STEL
Cellulose acetate butyrate 9004-36-8			
Ethylene glycol monopropyl ether 2807-30-9			
Ethylbenzene 100-41-4	100 ppm TWA; 435 mg/m3 TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 435 mg/m3 TWA 125 ppm STEL; 545 mg/m3 STEL
Silica, amorphous, fumed, crystalline-free 112945-52-5			
Aluminum hydroxide (Al(OH) 3) 21645-51-2			
Silica, amorphous 7631-86-9			NIOSH: 6 mg/m3 TWA
Methyl propyl ketone 107-87-9	200 ppm TWA; 700 mg/m3 TWA	150 ppm STEL	NIOSH: 150 ppm TWA; 530 mg/m3 TWA

Use local exhaust as required to control vapor concentrations.

Avoid prolonged or repeated breathing of vapors.

#### **Respiratory Protection:**

If exposure exceeds TLV or PELs, use NIOSH approved respirator to prevent overexposure .

#### **Skin Protection:**

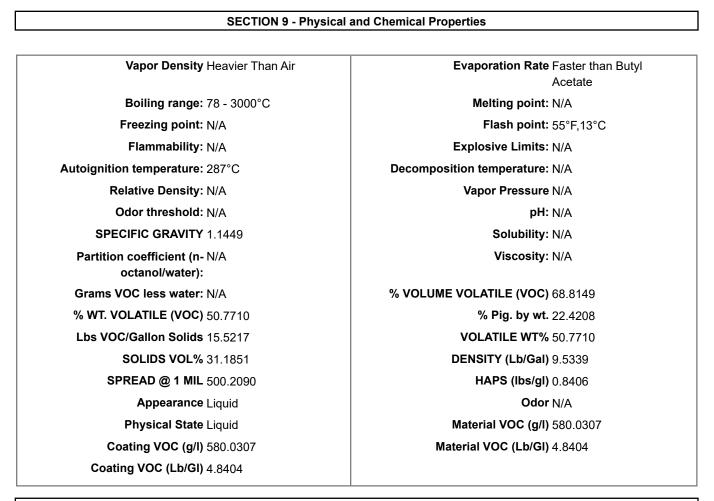
Required for prolonged or repeated contact. Wear resistant gloves such as natural rubber, neoprene, buna N or nitrile. An apron should be worn to avoid skin contact.

#### Eye Protection:

Wear splash proof googles and face shield if there is a likelihood of contact with eyes .

#### **Hygenic Practices**

Wash hands thoroughly before eating or using the restroom. Remove contaminated clothing immediately and do not wear again until it has been properly laundered.



**SECTION 10 - Stability and Reactivity** 

Stability: Stable under normal conditions.

Materials to Avoid: Strong oxidizing agents, strong alkalines, strong mineral acids.

Conditions to avoid: high heat, sparks, flames, static discharge.

Hazardous Decomposition: Oxidation may produce carbon and nitrogen oxides.

Hazardous polymerization will not occur.

**SECTION 11 - Toxicological Information** 

#### Oral Toxicity LD50: 3,743mg/kg Inhalation Toxicity LC50: 209mg/L

innalation toxicity	LC30. 209/11g/L
<b>Component Toxicity</b>	
71-36-3	1-Butanol
	Oral LD50: 700 mg/kg (Rat) Dermal LD50: 3,402 mg/kg (Rabbit)
107-98-2	Propylene glycol monomethyl ether
	Oral LD50: 5,000 mg/kg (Rat) Dermal LD50: 13 g/kg (Rabbit) Inhalation LC50: 55 mg/L (Rat)
2807-30-9	Ethylene glycol monopropyl ether
	Oral LD50: 3,089 mg/kg (Rat) Dermal LD50: 870 mg/kg (Rabbit) Inhalation LC50: 1,530 ppm (Ra
100-41-4	Ethylbenzene
	Oral LD50: 3,500 mg/kg (Rat) Inhalation LC50: 17 mg/L (Rat)
107-87-9	Methyl propyl ketone
	Oral LD50: 1,600 mg/kg (Rat) Inhalation LC50: 2,000 - (Rat)

Primary Routes of Entry: Inhalation, Skin Contact, Eyes, Ingestion

#### Skin:

Skin contact can cause redness, dryness or rash. Prolonged contact can cause irritation, dry skin, cracks, and dermititis.

#### Ingestion:

Can cause vomiting, nausea, diarrhea, and gastrointestinal irritation.

#### Inhalation:

Excessive inhalation of vapors can cause nasal and repiratory irritation, dizziness, weakness, fatigue, nausea, headache possible unconsciousness and even asphyxiation. High vapor concentrations or porlonged breathing of lower concentrations may result in damage to the liver, kidneys, lungs and blood forming organs. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

#### Eyes:

Can cause irritation, redness, tearing and blurred vision.

**Carcinogenicity:** The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

CAS Number	Description	<u>% Weight</u>	Carcinogen Rating
100-41-4	Ethylbenzene	1%	Ethylbenzene: IARC: Possible human carcinogen OSHA: listed
13463-67-7	Titanium dioxide	19%	Titanium dioxide: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed
64-17-5	Ethyl alcohol	10%	Ethyl alcohol: IARC: Human carcinogen OSHA: listed

#### **SECTION 12 - Ecological Information**

#### **Ecological Information:**

Uncontrolled release of the product may result in contamination of air, ground, waterways and/or sewers .

#### **Component Ecotoxicity**

1-Butanol	LC50 96 h Pimephales promelas 1730 - 1910 mg/L [static] (IUCLID); LC50 96 h Pimephales promelas 1740 mg/L [flow-through] (IUCLID); LC50 96 h Lepomis macrochirus 100000 - 500000 µg/L [static] (EPA); LC50 96 h Pimephales promelas 1910000 µg/L [static] (EPA) EC50 48 h Daphnia magna 1983 mg/L (IUCLID); EC50 48 h Daphnia magna 1897 - 2072 mg/L [Static] (EPA) EC50 96 h Desmodesmus subspicatus >500 mg/L (IUCLID); EC50 72 h Desmodesmus subspicatus >500 mg/L (IUCLID)
n-Butyl acetate	LC50 96 h Lepomis macrochirus 100 mg/L [static] (EPA); LC50 96 h Pimephales promelas 17 - 19 mg/L [flow-through] (EPA) EC50 72 h Desmodesmus subspicatus 674.7 mg/L (IUCLID)
Ethyl alcohol	LC50 96 h Oncorhynchus mykiss 12.0 - 16.0 mL/L [static] (EPA); LC50 96 h Pimephales promelas >100 mg/L [static] (EPA); LC50 96 h Pimephales promelas 13400 - 15100 mg/L [flow-through] (EPA) LC50 48 h Daphnia magna 9268 - 14221 mg/L (IUCLID); EC50 48 h Daphnia magna 2 mg/L [Static] (EPA)
Xylenes (o-, m-, p- isomers)	LC50 96 h Pimephales promelas 13.4 mg/L [flow-through] (EPA); LC50 96 h Oncorhynchus mykiss 2.661 - 4.093 mg/L [static] (EPA); LC50 96 h Oncorhynchus mykiss 13.5 - 17.3 mg/L (IUCLID); LC50 96 h Lepomis macrochirus 13.1 - 16.5 mg/L [flow-through] (EPA); LC50 96 h Lepomis macrochirus 19 mg/L (EPA); LC50 96 h Lepomis macrochirus 7.711 - 9.591 mg/L [static] (EPA); LC50 96 h Pimephales promelas 23.53 - 29.97 mg/L [static] (EPA); LC50 96 h Cyprinus carpio 780 mg/L [semi-static] (EPA); LC50 96 h Cyprinus carpio >780 mg/L (IUCLID); LC50 96 h Poecilia reticulata 30.26 - 40.75 mg/L [static] (EPA) EC50 48 h water flea 3.82 mg/L; LC50 48 h Gammarus lacustris 0.6 mg/L
Propylene glycol monomethyl ether	LC50 96 h Pimephales promelas 20.8 g/L [static] (IUCLID) EC50 48 h Daphnia magna 23300 mg/L (IUCLID)
Ethylbenzene	LC50 96 h Oncorhynchus mykiss 11.0 - 18.0 mg/L [static] (EPA); LC50 96 h Oncorhynchus mykiss 4.2 mg/L [semi-static] (EPA); LC50 96 h Pimephales promelas 7.55 - 11 mg/L [flow-through] (EPA); LC50 96 h Lepomis macrochirus 32 mg/L [static] (EPA); LC50 96 h Pimephales promelas 9.1 - 15.6 mg/L [static] (EPA); LC50 96 h Poecilia reticulata 9.6 mg/L [static] (EPA) EC50 48 h Daphnia magna 1.8 - 2.4 mg/L (IUCLID) EC50 72 h Pseudokirchneriella subcapitata 4.6 mg/L (IUCLID); EC50 96 h Pseudokirchneriella subcapitata 2.6 - 11.3 mg/L [static] (EPA); EC50 96 h Pseudokirchneriella subcapitata 1.7 - 7.6 mg/L [static] (EPA)
Silica, amorphous	LC50 96 h Brachydanio rerio 5000 mg/L [static] (IUCLID) EC50 48 h Ceriodaphnia dubia 7600 mg/L (IUCLID) EC50 72 h Pseudokirchneriella subcapitata 440 mg/L (IUCLID)
Methyl propyl ketone	LC50 96 h Pimephales promelas 1190 - 1290 mg/L [flow-through] (EPA)
	SECTION 13 - Disposal Considerations

Do not flush to sewer, watershed or waterway. Dispose of product in accordance with applicable local, county, state and federal regulations. See Section 8 for information on exposure control and necessary personal protective equipment.

# SECTION 14 - Transportation Information Ship according to the Department of Transportation (DOT) 49 CFR regulations. Agency Proper Shipping Name UN Number Packing Group Hazard Class DOT PAINT UN 1263 II 3 Freight Class: 55 55

#### California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

This product contains the follosing listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

100-41-4 Ethylbenzene 64-17-5 Ethyl alcohol 13463-67-7 Titanium dioxide

The following ingredients are listed in the TSCA Section 8(b) Inventory (Hydrated forms of chemical substances are exempt from the inventory as mixtures; the anhydrous chemical substances, however, are reportable for the Inventory):

107-87-9 Methyl propyl ketone 21645-51-2 Aluminum hydroxide (Al(OH)3) 7631-86-9 Silica, amorphous 100-41-4 Ethylbenzene 2807-30-9 Ethylene glycol monopropyl ether 9004-36-8 Cellulose acetate butyrate 107-98-2 Propylene glycol monomethyl ether 1330-20-7 Xylenes (o-, m-, p- isomers) 64-17-5 Ethyl alcohol 123-86-4 n-Butyl acetate 71-36-3 1-Butanol 13463-67-7 Titanium dioxide

#### US CAA Section 112 Hazardous Air Pollutants (HAPs) List

100-41-4 Ethylbenzene 1330-20-7 Xylenes (o-, m-, p- isomers)

#### US EPCRA (SARA Title III) Section 313 - Toxic Chemical:

100-41-4 Ethylbenzene 1330-20-7 Xylenes (o-, m-, p- isomers) 71-36-3 1-Butanol

**SECTION 16 - Disclaimer** 

Date Prepared: 10/17/2019 Date revised: 2019-06-05

**Reviewer Revision 1** 

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