



# Safety Data Sheet

## GEMCOAT 550 VOC PC PRIMER (1G)



### 1. Identification

<b>Product identifier</b>	Αὐτὸ ὄνομα ἔχει καὶ ἄλλοι οὐκ ἔχουσι
<b>Product code</b>	ΑΓΕΕΕΙ -1
<b>Other means of identification</b>	None.
<b>Recommended use of the chemical and restrictions on use</b>	A protective and/or decorative finish or accompanying product. Not recommended for any other use not detailed on product data sheet or label.
<b>Manufacturer</b>	GEMINI INDUSTRIES, INC. 2300 Holloway Drive EI Reno, OK 73036 USA  Tel. 1-800-262-5710 Fax 1-405-262-9310 <a href="http://www.gemini-coatings.com/">http://www.gemini-coatings.com/</a>
<b>Emergency phone number</b>	24-hour Emergency (spill, leak, exposure or accident) INFOTRAC 800-535-5053 Outside USA, Call Collect 1-352-323-3500 (French & English)  HAZMAT Response and SDS Help: EMI 800-510-8510

### 2. Hazard identification

<b>Summary</b>	Extremely flammable liquid and vapors. Keep away from heat, sparks and open flame. Avoid contact with skin, eyes and clothing. Do not breathe vapours, mists or aerosols. Do not ingest. If ingested consult physician immediately and show this Safety Data Sheet. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved. P.S.: The SIMDUT 2015/GHS hazards classification in this SDS is provided by the manufacturer using a Worst-Case Scenario.
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#### WHMIS 2015/GHS/OSHA HCS 2012



Flammable liquids (Category 1)  
 Serious eye damage/eye irritation (Category 2)  
 Carcinogenicity (Category 1)  
 Reproductive toxicity (Category 1)  
 Specific target organ toxicity, single exposure (Category 3)  
 Specific target organ toxicity, repeated exposure (Category 2)

#### DANGER

- H224: Extremely flammable liquid and vapour
- H350: May cause cancer
- H360: May damage fertility or the unborn child
- H319: Causes serious eye irritation
- H336: May cause drowsiness or dizziness
- H373: May cause damage to organs through prolonged or repeated exposure by inhalation
- H316: Causes mild skin irritation
- 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 and other ignition sources. No smoking.  
P240: Ground or bond container and receiving equipment.  
P241: Use explosion-proof electrical equipment.  
P242: Use only non-sparking tools.  
P243: Take precautionary measures against static discharge.  
P260: Do not breathe vapours and spray.  
P264: Wash skin thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves, protective clothing and eye protection.  
P308+313: IF exposed or concerned: Get medical attention.  
P314: Get medical advice/attention if you feel unwell.  
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P332+313: If skin irritation occurs: Get medical advice or attention.  
P304+340+P312: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.  
P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P337+313: If eye irritation persists: Get medical advice or attention.  
P370+378: In case of fire: Use the National Fire Protection Association Class B extinguisher to extinguish.  
P403+P235+P233: Store in a well-ventilated place. Keep container tightly closed. Keep cool.  
P405: Store locked up.  
P501: Dispose of contents and container to a licensed chemical disposal agency in accordance with local, regional and national regulations.

**Other hazards which do not result in classification**

Skin corrosion/irritation (Category 3).

### 3. Composition/information on ingredients

Common name	CAS	Weight % content
Ethyl alcohol	64-17-5	10 - 30 %
Kaolin	1332-58-7	10 - 30 %
Titanium dioxide	13463-67-7	10 - 30 %
Butyl acetate (normal)	123-86-4	10 - 30 %
Dimethyl carbonate	616-38-6	5 - 10 %
Urea, polymer with formaldehyde, isobutylated	68002-18-6	5 - 10 %
Propane, 1-nitro-	108-03-2	5 - 10 %
Nitrocellulose	9004-70-0	1 - 5 %
Isobutyl alcohol	78-83-1	1 - 5 %
Isopropyl alcohol	67-63-0	1 - 5 %
Xylene	1330-20-7	1 - 5 %
Acetone	67-64-1	1 - 5 %
Synthetic Amorphous Fumed Silica	112945-52-5	1 - 5 %
Ethylbenzene	100-41-4	0.1 - 1 %

**Note:** The manufacturer withholds the actual concentration range of the ingredients as a trade secret.

## 4. First-aid measures

<b>Inhalation</b>	Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen by trained personnel. If a problem develops or persists, seek medical attention.
<b>Skin contact</b>	Wash skin with warm water and mild soap. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention.
<b>Eye contact</b>	IMMEDIATELY! Flush with water for at least 15 minutes. Remove contact lenses if easy to do. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.
<b>Ingestion</b>	DO NOT induce vomiting, unless recommended by medical personnel. Never give anything by mouth if victim is unconscious or convulsing. If victim is conscious wash out mouth with water and give 1-2 glasses of water to drink. Seek medical attention or contact a Poison Centre immediately.
<b>Other</b>	No information available.
<b>Symptoms</b>	May cause irritation, redness, tearing and blurred vision. May cause redness, dryness, rash and slight skin irritation. May cause headache, drowsiness or dizziness.
<b>Notes to the physician</b>	Treat symptomatically. If gastric lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Dry chemicals, alcohol resistant foam, carbon dioxide (CO <sub>2</sub> ). Do not use a heavy water jet.
<b>Specific hazards arising from the chemical</b>	Extremely flammable liquid and vapors. Vapours are heavier than air and may travel to an ignition source distant from the material handling point. May be ignited by heat, sparks, flame or static electricity. Do not apply to hot surfaces.
<b>Special protective equipment</b>	Firefighters must wear self contained breathing apparatus with full face mask. Firefighting suit may not be efficient against chemicals.
<b>Special protective actions for fire-fighters</b>	Use water spray to cool fire-exposed containers. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Do not touch spilled material. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
<b>Environmental precautions</b>	Prevent entry into sewers, closed areas and release to the environment. For a large spill, consult the Department of Environment or the relevant authorities.
<b>Methods and materials for containment and cleaning up</b>	Remove sources of ignition. Ventilate the area well. Absorb with inert material (soil, sand, vermiculite) and place in an appropriate waste disposal clearly identified. Use non-sparking and antistatic tools. Dispose via a licensed waste disposal contractor. Finish cleaning the contaminated surface by rinsing with soapy water.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Keep away from heat, sparks and open flame. Turn off all pilot lights, flames, stoves, heaters, electric motors, welding equipment and other sources of ignition. Use non-sparking and antistatic tools. Use only in well ventilated area. Do not breathe vapors. Avoid contact with skin, eyes and clothing. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. After use, wash hands with soap and water. Wash contaminated clothing before reuse.
<b>Conditions for safe storage, including any incompatibilities</b>	Storage and handling should follow the NFPA 30 Flammable and/or Combustible Liquids Code and the National Fire Code of Canada (NFCC). Store tightly closed and in properly labelled container in a dry, cool and well ventilated place. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store away from oxidizing materials and incompatible materials (see section 10). Keep away from direct sunlight and heat.
<b>Storage temperature</b>	5 to 30°C (41 to 86°F)

## 8. Exposure controls/personal protection

<b>Immediately Dangerous to Life or Health</b>	Ethyl alcohol: 3300 ppm. Titanium dioxide: 5000 mg/m <sup>3</sup> . n-Butyl acetate: 1700 ppm. Propane, 1-nitro-: 1000 ppm. Isobutyl alcohol: 1600 ppm. Isopropyl alcohol: 2000 ppm. Xylenes: 900 ppm. Acetone: 2500 ppm. Ethylbenzene: 800 ppm.			
Ethyl alcohol	STEL		1000 ppm	ACGIH , BC, ON, RSST
Titanium dioxide	TWA (8h)	Total Dust	10 mg/m <sup>3</sup>	ACGIH , BC, ON, RSST
Kaolin	TWA (8h)	Respirable Dust	2 mg/m <sup>3</sup>	ACGIH , BC, ON
		Respirable Dust	5 mg/m <sup>3</sup>	RSST (Pr, note 1)
Butyl acetate (normal)	STEL		150 ppm	ACGIH , RSST
			200 ppm	ON
	TWA (8h)		20 ppm	BC
			50 ppm	ACGIH , RSST
Propane, 1-nitro-	TWA (8h)		25 ppm	ACGIH , BC, ON
			25 ppm	91 mg/m <sup>3</sup> RSST
	STEL		500 ppm	ACGIH , BC, ON
			1000 ppm	2380 mg/m <sup>3</sup> RSST
Acetone	TWA (8h)		250 ppm	ACGIH , BC, ON
			500 ppm	1190 mg/m <sup>3</sup> RSST
	STEL		400 ppm	ACGIH , BC, ON
			500 ppm	1230 mg/m <sup>3</sup> RSST
Isopropyl alcohol	TWA (8h)		200 ppm	ACGIH , BC, ON
			400 ppm	983 mg/m <sup>3</sup> RSST
	STEL		150 ppm	ACGIH , BC, ON
			150 ppm	651 mg/m <sup>3</sup> RSST
Xylene	TWA (8h)		100 ppm	ACGIH , BC, ON
			100 ppm	435 mg/m <sup>3</sup> RSST
	STEL		1.5 mg/m <sup>3</sup>	BC
			3 mg/m <sup>3</sup>	ACGIH , ON
Synthetic Amorphous Fumed Silica	TWA (8h)	Respirable Dust	4 mg/m <sup>3</sup>	BC
		Total Dust		

	Respirable Dust	6 mg/m <sup>3</sup>	RSST
	Total Dust	10 mg/m <sup>3</sup>	ACGIH , ON
Isobutyl alcohol	TWA (8h)	50 ppm	ACGIH , BC, ON
		50 ppm	152 mg/m <sup>3</sup> RSST
Ethylbenzene	TWA (8h)	20 ppm	ACGIH , BC, ON, RSST
<b>Appropriate engineering controls</b>	Provide sufficient mechanical ventilation (general or local exhaust) to keep the airborne concentrations of vapours, mists, aerosols or dust below their respective occupational exposure limits.		
<b>Individual protection measures</b>			
<b>Eye</b>	In the workplace, wear safety glasses with side shields. If risk of contact with eyes or/and the face wear chemical splash goggles and/or a face shield.		
<b>Hands</b>	Wear nitrile or neoprene gloves. Before using, user should confirm impermeability. Discard gloves with tears, pinholes, or signs of wear. Gloves must only be worn on clean hands.		
<b>Skin</b>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code. If necessary, wear an apron or long-sleeve protective coverall suit.		
<b>Respiratory</b>	Respiratory protection is not required for normal use. Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA. In case of insufficient ventilation or in confined or enclosed space and for an assigned protection factor (APF) up to 10 times the exposure limit, wear a half mask respirator with organic vapour cartridges fitted with P100 filters. For an APF until maximum 100 times of exposure limit, wear a full face respirator mask with organic vapour cartridges and P100 filters.		
<b>Feet</b>	Wear rubber boots to clean up a spill.		

## 9. Physical and chemical properties

<b>Physical state</b>	Liquid	<b>Flammability</b>	Flammable
<b>Colour</b>	Coloured	<b>Flammability limits</b>	N/Av.
<b>Odour</b>	Solvent	<b>Flash point</b>	0°C (32°F)
<b>Odour threshold</b>	N/Av.	<b>Auto-ignition temperature</b>	170°C (338°F)
<b>pH</b>	N/Av.	<b>Sensibility to electrostatic charges</b>	Yes
<b>Melting point</b>	N/Av.	<b>Sensibility to sparks and/or friction</b>	No
<b>Freezing point</b>	N/Av.	<b>Vapour density</b>	>1 (Air = 1)
<b>Boiling point</b>	34 to 3000°C (93.2 to 5432°F)	<b>Relative density</b>	1.2186 kg/L (Water = 1)
<b>Solubility</b>	Partially soluble in water.	<b>Partition coefficient n-octanol/water</b>	N/Av.
<b>Evaporation rate</b>	> Butyl Acetate	<b>Decomposition temperature</b>	N/Av.
<b>Vapour pressure</b>	N/Av.	<b>Viscosity</b>	N/Av.
<b>Percent Wt. Volatile</b>	48.7496%	<b>Molecular mass</b>	N/Av.

VOC (g/L)	486.2875 g/L	% Volume Volatile (VOC)	57.4395%
VOC (lb/gal)	4.0581 lb/gal	% Wt. Volatile (VOC)	39.9943%
N/Av.: Not Available    N/Ap.: Not Applicable    Und.: Undetermined    N/E: Not Established			

## 10. Stability and reactivity

<b>Reactivity</b>	No reactivity expected.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions (including polymerizations)</b>	A dangerous reaction will not occur.
<b>Conditions to avoid</b>	Avoid heat, flame and sparks. Avoid static discharge. Avoid contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents (e.g. chlorine, fluorine, nitric acid, perchloric acid, peroxides, nitrates, chlorates, chromates, permanganates and perchlorates), strong acids (e.g. hydrochloric acid, sulfuric acid, phosphoric acid), strong bases (e.g. hydroxides, solutions of ammonia, amines, carbonates).
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information

<b>Numerical measures of toxicity</b>	Butyl acetate (normal)	Ingestion	10768 mg/kg	Rat	LD50
		Inhalation	>32.5 mg/l/4h	Rat	LC50
		Skin	>17600 mg/kg	Rabbit	LD50
	Ethyl alcohol	Ingestion	7060 mg/kg	Rat	LD50
		Inhalation	39 mg/l/4h	Mouse	LC50
		Skin	20000 mg/kg	Rabbit	LD50
	Titanium dioxide	Ingestion	>10000 mg/kg	Rat	LD50
		Inhalation	>6.82 mg/l/4h	Rat	LC50
		Skin	>10000 mg/kg	Rabbit	LD50
	Kaolin	Ingestion	>15900 mg/kg	Rat	LD50
		Skin	>5000 mg/kg	Rat	LD50
	Propane, 1-nitro-	Ingestion	506 mg/kg	Rat	LD50
		Inhalation	11.02 mg/l/1h	Rat	LC50
		Skin	>2000 mg/kg	Rabbit	LD50
	Dimethyl carbonate	Ingestion	13000 mg/kg	Rat	LD50
		Inhalation	>140 mg/l/4h	Rat	LC50
		Skin	>5000 mg/kg	Rabbit	LD50
	Urea, polymer with formaldehyde, isobutylated	Ingestion	>5000 mg/kg	Rat	LD50
		Skin	>5000 mg/kg	Rabbit	LD50
	Acetone	Ingestion	5800 mg/kg	Rat	LD50
		Inhalation	71.4 mg/l/4h	Rat	LC50
		Skin	15800 mg/kg	Rabbit	LD50
	Isobutyl alcohol	Ingestion	2460 mg/kg	Rat	LD50
		Inhalation	19.2 mg/l/4h	Rat	LC50
	Skin	3400 mg/kg	Rabbit	LD50	
Isopropyl alcohol	Ingestion	5045 mg/kg	Rat	LD50	

		3600 mg/kg	Mouse	LD50
		Inhalation 66.1 mg/l/4h	Rat	LC50
		Skin 6280 mg/kg	Rat	LD50
Nitrocellulose		Ingestion >5000 mg/kg	Rat	LD50
Synthetic Amorphous Fumed Silica		Ingestion >5000 mg/kg	Rat	LD50
		Inhalation >2.08 mg/l/4h	Rat	LC50
		Skin >5000 mg/kg	Rabbit	LD50
Xylene		Ingestion 3523 mg/kg	Rat	LD50
		Inhalation 27.6 mg/l/4h	Rat	LC50
		Skin 3200 mg/kg	Rabbit	LD50
Ethylbenzene		Ingestion 3500 mg/kg	Rat	LD50
		Inhalation 17.3 mg/l/4h	Rat	LC50
		Skin 15380 mg/kg	Rabbit	LD50

**Likely routes of exposure**

Skin, eyes, inhalation, ingestion.

**Delayed, immediate and chronic effects**

**Eye contact** May cause irritation, redness, tearing and blurred vision. Eye Irritation/Corrosion, Rabbit (OECD TG 405): tests performed with each ingredient (>1%) of this mixture gave not irritating to corrosive results.

**Skin contact** May cause redness, dryness, rash and slight skin irritation. Prolonged and repeated contact may cause dry skin, irritation or dermatitis. Skin Irritation/Corrosion, Rabbit (OECD 404) : tests performed with each ingredient (>1%) of this mixture gave not irritating to irritating results.

**Inhalation** Inhalation of vapours may cause central nervous system depression such as drowsiness, headache, dizziness, vertigo, nausea and fatigue. The severity of symptoms may vary depending on exposure conditions. Prolonged exposure may cause damage to damage to liver, kidneys, hearing organs, blood forming organs and central nervous system. Many reports with painters have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

**Ingestion** Ingestion can cause abdominal pain, nausea, cramps, headache, dizziness, diarrhea and vomiting.

**Respiratory or skin sensitization** Ingredients present at levels greater than or equal to 0.1% of this product are not skin or respiratory sensitizers.

IARC/NTP Classification	Common name	IARC	NTP
	Butyl acetate (normal)	-	-
	Ethyl alcohol	-	-
	Titanium dioxide	2B	-
	Urea, polymer with formaldehyde, isobutylated	-	-
	Acetone	-	-
	Isobutyl alcohol	-	-
	Xylene	-	-
	Ethylbenzene	2B	-

IARC : 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic.  
NTP : K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens.

**Carcinogenicity** Contains material which can cause cancer. There is sufficient evidence for the carcinogenicity of alcoholic (Ethanol) beverages in humans (IARC). The occurrence of malignant tumors of the oral cavity, pharynx, larynx, oesophagus, liver, breast and colorectal is causally related to the excessive consumption of alcoholic beverages. Titanium dioxide in dust form can cause cancer (through inhalation) based on animal data. Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint and caulk. Ethylbenzene is a proven carcinogen to animals and a possible carcinogen to humans. The risk of cancer depends on duration and level of exposure.

**Mutagenicity** Ingredients in this product present at levels greater than or equal to 0.1% are not

	<p>known to cause mutagenic effects.</p> <p><b>Reproductive toxicity</b> Major malformations have been reported in infants born of women who had been working with solvent-based paints (oil-based paints) during pregnancy. Therefore, long-term exposure to solvent-based paints that may occur in occupational life can affect a developing baby (American Journal of Industrial Medicine, 1980). Xylene (CAS no 1330-20-7) overexposure may affect fetal development in laboratory animals by inhalation during pregnancy.</p> <p><b>Specific target organ toxicity - single exposure</b> Central nervous system.</p> <p><b>Specific target organ toxicity - repeated exposure</b> Central nervous system, hearing organs, kidneys, liver.</p>
<b>Interactive effects</b>	No information available for this product.
<b>Other information</b>	The oral and skin acute toxicity estimates (ATE) of the mixture were calculated to be greater than 2000 mg/kg. The acute toxicity estimate (ATE) by inhalation of the mixture was calculated to be greater than 20 mg/L/4h. These values are not classified according to WHMIS 2015 and OSHA HCS 2012.


## 12. Ecological information

Ecological toxicity			
	Fish - Pimephales promelas [flow-through]	LC50	13400 mg/L; 96 h (CAS no 64-17-5)
	Aquatic Invertebrate - Daphnia magna	EC50	9268 mg/L; 48 h (CAS no 64-17-5)
	Fish - Pimephales promelas - Fresh water	LC50	>500 mg/L; 96 h (CAS no 13463-67-7)
	Aquatic Invertebrate - Daphnia magna (Water flea)	EC50	>1000 mg/L; 48 h (CAS no 13463-67-7)
	Fish - Pimephales promelas [flow-through]	LC50	18 mg/L; 96 h (CAS no 123-86-4)
	Aquatic Invertebrate - Daphnia magna	EC50	44 mg/L; 48 h (CAS no 123-86-4)
	Algae, Pseudokirchneriella subcapitata	EC50	579 mg/L; 96 h (CAS no 9004-70-0)
	Fish - Rainbow trout - Oncorhynchus mykiss	LC50	227 mg/L; 96 h (CAS no 108-03-2)
	Aquatic Invertebrate - Crustaceans - Daphnia Magna	EC50	380 mg/L; 48 h (CAS no 108-03-2)
	Fish - Pimephales promelas - Fresh water	LC50	1370-1670 mg/L; 96 h (CAS no 78-83-1)
	Aquatic Invertebrate - Daphnia magna	EC50	1300 mg/L; 48 h (CAS no 78-83-1)
	Fish - Fathead minnow, Pimephales promelas - fresh water	LC50	9640 mg/L; 96 h (CAS no 67-63-0)
	Aquatic Invertebrate - Crustaceans, Daphnia Magna	EC50	3644 mg/L; 48 h (CAS no 67-63-0)
	Fish - Oncorhynchus mykiss - Rainbow trout	LC50	13.5-17.3 mg/L; 96 h (CAS no 1330-20-7)
	Aquatic Invertebrate - Daphnia magna	EC50	3.82 mg/L; 48 h (CAS no 1330-20-7)
	Fish - Oncorhynchus mykiss - Rainbow trout	LC50	4740 mg/L; 96 h (CAS no 67-64-1)
	Aquatic Invertebrate - Crustaceans, Daphnia Magna	EC50	3.2-9.6 mg/L; 48 h (CAS no 67-64-1)




	Aquatic Invertebrate - Daphnia magna	EC50	>10000 mg/L; 24 h (CAS no 112945-52-5)
<b>Persistence</b>	Contains an or many ingredients that may be persistent in aquatic environment.		
<b>Degradability</b>	The product is a mixture of which some ingredients are readily biodegradable (> 60% in 28 days) while other ingredients are not readily biodegradable (<60% in 28 days).		
<b>Bioaccumulative potential</b>	The product is a mixture of which some ingredients have a low bioaccumulation potential (Log Kow of <3 and / or BCF <500) while other ingredients have some potential to bioaccumulate (Log Kow of >3 and / or BCF >500).		
<b>Mobility in soil</b>	The product is a mixture of which some ingredients evaporate very easily from the surface of the soil. Moreover, some ingredients have very high mobility in soil, while other ingredients have moderate to low mobility in soil.		
<b>Other adverse effects</b>	This chemical does not deplete the ozone layer.		

### 13. Disposal considerations

	<p><b>Container</b></p> <p>Important! Prevent waste generation. Use in full. DO NOT dispose residue in sewers, streams or drinking water supply. Paint residues, including lacquers, dyes, shellacs, varnishes, paint solvents and thinners, can be reprocessed where there is a recovery program. Residues and empty containers must be considered as hazardous waste. Dispose via a licensed waste disposal contractor. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.</p>
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### 14. Transport information

<b>UN Number</b>	UN 1263
<b>UN Proper Shipping Name</b>	PAINT
<b>Environmental hazards</b>	This material does not contain marine pollutant.
<b>Special precautions for user</b>	Permit required for transportation with proper DANGER placards displayed on vehicle.
<b>TDG - Transportation of Dangerous Goods (Canada &amp; US DOT)</b>	
<b>Transport hazard class(es)</b>	 Class 3
<b>Packing group</b>	II
<b>IMO/IMDG - International Maritime Transport</b>	
<b>Classification</b>	UN 1263. PAINT. Class 3, PG II. Emergency schedules (EmS-No) F-E, S-E
<b>IATA - International Air Transport Association</b>	
<b>Classification</b>	UN 1263. PAINT. Class 3, PG II.
<p>These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.</p>	

## 15. Regulatory information

### CANADA

Common name	CAS	CEPA	DSL	NDSL	NPRI
Ethyl alcohol	64-17-5	X	X		X
Kaolin	1332-58-7		X		
Titanium dioxide	13463-67-7		X		
Butyl acetate (normal)	123-86-4	X	X		X
Dimethyl carbonate	616-38-6		X		
Urea, polymer with formaldehyde, isobutylated	68002-18-6		X		
Propane, 1-nitro-	108-03-2		X		
Nitrocellulose	9004-70-0		X		
Isobutyl alcohol	78-83-1	X	X		X
Isopropyl alcohol	67-63-0	X	X		X
Xylene	1330-20-7	X	X		X
Acetone	67-64-1		X		
Synthetic Amorphous Fumed Silica	112945-52-5		X		
Ethylbenzene	100-41-4	X	X		X

- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act

- DSL: Domestic Substances List Inventory

- NDSL: Non-Domestic Substances List Inventory

- NPRI: National Pollutant Release Inventory Substances

### UNITED STATE OF AMERICA

Common name	CAS	TSCA	CER CLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Prio.
Ethyl alcohol	64-17-5	X								
Kaolin	1332-58-7	X								
Titanium dioxide	13463-67-7	X								
Butyl acetate (normal)	123-86-4	X	X						X	
Dimethyl carbonate	616-38-6	X								
Urea, polymer with formaldehyde, isobutylated	68002-18-6	X								
Propane, 1-nitro-	108-03-2									
Nitrocellulose	9004-70-0	X								
Isobutyl alcohol	78-83-1	X	X							
Isopropyl alcohol	67-63-0	X		X						
Xylene	1330-20-7	X	X	X		X	X		X	
Acetone	67-64-1	X	X			X				
Synthetic Amorphous Fumed Silica	112945-52-5	X								
Ethylbenzene	100-41-4	X	X	X		X	X		X	X

- TSCA: Toxic Substance Control Act

- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances

- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals

- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances

- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant

- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants



- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention

- CWA 311: Clean Water Act - List of Hazardous Substances

- CWA Priority: Clean Water Act - Priority Pollutant list

## California Proposition 65

Common name	CAS	Cancer	Reproductive and Developmental Toxicity
Titanium dioxide	13463-67-7	X	
Ethylbenzene	100-41-4	X	

<b>Other regulations</b>	
	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p><b>HMIS</b></p>  </div> <div style="text-align: center;"> <p><b>NFPA</b></p>  </div> </div>

## 16. Other information

<b>Date (YYYY-MM-DD)</b>	GEMINI INDUSTRIES, INC. 2021-08-03
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<b>Version</b>	01
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<b>Other information</b>	<p>- The GHS hazards classification in this SDS is from the original SDS provided by the manufacturer.</p> <p>REFERENCES:</p> <ul style="list-style-type: none"> <li>- Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, <a href="https://haz-map.com/">https://haz-map.com/</a></li> <li>- Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), <a href="https://www.cnesst.gouv.qc.ca/fr">https://www.cnesst.gouv.qc.ca/fr</a></li> <li>- NIOSH Pocket Guide to Chemical Hazards, Centers for Disease Control and Prevention, NIOSH Publications, 2007, <a href="http://www.cdc.gov/niosh/npg/npg.html">http://www.cdc.gov/niosh/npg/npg.html</a></li> <li>- The National Center for Biotechnology Information, National Institutes of Health (NIH), U.S. National Library of Medicine, <a href="https://pubchem.ncbi.nlm.nih.gov">https://pubchem.ncbi.nlm.nih.gov</a></li> <li>- IPCS INCHEM, Chemical Safety Information from Intergovernmental Organizations, Canadian Centre for Occupational Health and Safety (CCOHS), Copyright International Programme on Chemical Safety (IPCS), <a href="http://www.inchem.org">http://www.inchem.org</a></li> <li>- OECD Existing Chemicals Database, Chemicals Screening Information DataSet (SIDS) for High Volume Chemicals, UNEP publications, <a href="http://webnet.oecd.org/HPV/UI/Search.aspx">http://webnet.oecd.org/HPV/UI/Search.aspx</a></li> <li>- The National Center for Biotechnology Information, National Institutes of Health (NIH), U.S. National Library of Medicine, <a href="https://pubchem.ncbi.nlm.nih.gov">https://pubchem.ncbi.nlm.nih.gov</a></li> </ul>
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ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

HMIS: Hazardous Materials Identification System

NFPA: National Fire Protection Association

OSHA: Occupational Safety and Health Administration (USA)

NIOSH: National Institute for Occupational Safety and Health

NTP: National Toxicology Program

RSST: Règlement sur la santé et la sécurité du travail (Québec)

GHS: Globally Harmonized System

IARC: International Agency for Research on Cancer

IDLH: Immediately Dangerous to Life or Health

STEL: Short Term Exposure Limit (15 min)

TWA: Time Weighted Averages

WHMIS: Workplace Hazardous Materials Information System

To the best of our knowledge, the information contained herein is accurate. However, neither Preventis System, nor the above named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.