



# Safety Data Sheet

## HIGH SOLIDS CATALYZED VINYL SEALER



### 1. Identification

<b>Product identifier</b>	HIGH SOLIDS CATALYZED VINYL SEALER
<b>Product code</b>	CVS-0400
<b>Other means of identification</b>	N/Av.
<b>Recommended use of the chemical and restrictions on use</b>	PAINT.
<b>Manufacturer</b>	GEMINI INDUSTRIES, INC. 2300 Holloway Drive El Reno, OK 73036 USA  Tel. 1-800-262-5710 Fax 1-405-262-9310 <a href="http://www.gemini-coatings.com">www.gemini-coatings.com</a>
<b>Emergency phone number</b>	INFOTRAC 800-535-5053 Outside USA, Call Collect 1-352-323-3500 (French & English) 24-hour HAZMAT Response and MSDS help: EMI 800-510-8510

### 2. Hazard identification

<b>Summary</b>	DANGER! FLAMMABLE LIQUID! TOXIC! Skin, eyes and respiratory tracts irritant. May cause central nervous system effects. Contains a substance that can cause target organ damage, according to data obtained on animals. Contains ingredient possibly carcinogenic to humans. Harmful or fatal if inhaled into the lungs (ingestion/vomiting). Reproductive effects in animal. 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. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet. Keep containers tightly closed when not in use. After use, wash hands with soap and water. Wash contaminated clothing before reuse.
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#### WHMIS 2015/OSHA HCS 2012/GHS



- Flammable liquids (Category 2)
- Skin irritation (Category 2)
- Eye irritation (Category 2A)
- Carcinogenicity (Category 2)
- Reproductive toxicity (Category 2)
- Specific target organ toxicity, single exposure, Narcotic effects (Category 3)
- Specific target organ toxicity, repeated exposure (Category 2)
- Aspiration hazard (Category 1)

#### DANGER

- H225: Highly flammable liquid and vapour
- H304: May be fatal if swallowed and enters airways
- H319: Causes serious eye irritation
- H315: Causes skin irritation
- H336: May cause drowsiness or dizziness
- H351: Suspected of causing cancer
- H361D: Suspected of damaging the unborn child

H373: May cause damage to organs through prolonged or repeated exposure  
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.  
P242: Use only non-sparking tools.  
P243: Take precautionary measures against static discharge.  
P260: Do not breathe mist, vapours and spray.  
P264: Wash skin thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P271: Use only outdoors or in a well-ventilated area.  
P281: Use personal protective equipment as required.  
P301+310+331: IF SWALLOWED: Immediately call a POISON CENTER or a physician. Do NOT induce vomiting.  
P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water and soap or take a shower if necessary.  
P332+313: If skin irritation occurs: Get medical advice or attention.  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312: Call a POISON CENTER or doctor/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.  
P362+364: Take off contaminated clothing and wash before reuse.  
P370+378: In case of fire: Use chemical foam, dry chemical or carbon dioxide to extinguish.  
P403+P235+P233: Store in a well-ventilated place. Keep container tightly closed. Keep cool.  
P501: Dispose of contents and container to an approved waste disposal plant.

### 3. Composition/information on ingredients

Common name	CAS	Weight % content
Ethyl Alcohol	64-17-5	10 - 30 %
Toluene	108-88-3	10 - 30 %
Methyl ethyl ketone	78-93-3	7 - 13 %
Butyl acetate (normal)	123-86-4	5 - 10 %
Ethyl Acetate	141-78-6	5 - 10 %
Distillates (petroleum), hydrotreated middle, intermediate boiling	68410-96-8	5 - 10 %
Urea, polymer with formaldehyde, isobutylated	68002-18-6	3 - 7 %
Isobutyl alcohol	78-83-1	1 - 5 %
n-Propyl acetate	109-60-4	1 - 5 %
N,N'-Ethylene distearamide	110-30-5	0.5 - 1.5 %
Xylene	1330-20-7	0.5 - 1.5 %
Ethylbenzene	100-41-4	0.1 - 1 %
1,2,4-Trimethylbenzene	95-63-6	0.1 - 1 %

### 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. Avoid touching eyes with contaminated body parts. If a problem develops or persists, seek medical attention.

<b>Eye contact</b>	IMMEDIATELY flush with plenty of water. Remove contact lenses. Flush with water for at least 15 minutes. Hold eyelids apart to rinse properly. Seek medical attention immediately.
<b>Ingestion</b>	DO NOT induce vomiting, unless recommended by medical personnel. Never give anything by mouth if victim is unconscious or convulsing. If spontaneous vomiting occurs, keep head below hip level to prevent aspiration into the lungs. Seek medical attention or contact a Poison Centre immediately.
<b>Other</b>	No information available.
<b>Symptoms</b>	No information available.
<b>Notes to the physician</b>	Treat symptomatically.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	dried powder, carbon dioxide (CO <sub>2</sub> ), alcohol resistant foam, Do not use a heavy water jet.
<b>Specific hazards arising from the chemical</b>	NFPA: Class IB Flammable liquid. 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. Contact with strong oxidizers may cause fire. In a fire or if heated, a pressure increase will occur and the container may burst. Emits toxic fumes under fire conditions.
<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>	Water stream can scatter and spread fire. If water is used, fog nozzles are preferable. Use water spray to cool fire-exposed containers.

## 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 in sewer and other enclosed area. 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. Stay against the wind spill. Make sure you have a fire extinguisher near you. Stop leak, if it's possible to do so without risk. Use non-sparking and antistatic tools. Absorb with inert material (soil, sand, vermiculite) or wipe up or scrape up and place in an appropriate waste disposal container clearly identified. 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. Ground/bond all containers when transferring large quantities (5 gallons US or 20 L and more). Use only in well ventilated area. Do not breathe vapours, mists or aerosols. Avoid contact with skin, eyes and clothing. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet. Keep containers tightly closed when not in use. Containers of this material may be hazardous even when empty. Since empty containers retain product residues (vapour, liquid), all hazard precautions given in this sheet must be observed. Do not eat, do not drink and do not smoke during use. Wash hands, forearms and face thoroughly after handling this compound and before eating, drinking or using toiletries. Remove contaminated clothing and wash 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). NFPA: Class IB Flammable liquid. 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).
<b>Storage temperature</b>	10 to 25°C (50 to 77°F)

## 8. Exposure controls/personal protection

<b>Immediately Dangerous to Life or Health</b>	Ethylbenzene: 800 ppm. Xylenes: 900 ppm. Ethyl alcohol: 3300 ppm. Toluene : 500 ppm. Isobutyl alcohol: 1600 ppm. n-Butyl acetate: 1700 ppm. Ethyl acetate: 2000 ppm. Methyl ethyl ketone: 3000 ppm.			
Ethyl Alcohol	STEL	1000 ppm		ACGIH , BC, ON
	TWA (8h)	1000 ppm	1880 mg/m <sup>3</sup>	AB , RSST
Toluene	TWA (8h)	20 ppm		ACGIH , BC, ON
		50 ppm	188 mg/m <sup>3</sup>	AB , RSST
Methyl ethyl ketone	STEL	100 ppm		BC
		100 ppm	300 mg/m <sup>3</sup>	RSST
		300 ppm		ACGIH , ON
		300 ppm	885 mg/m <sup>3</sup>	AB
	TWA (8h)	50 ppm		BC
		50 ppm	150 mg/m <sup>3</sup>	RSST
		200 ppm		ACGIH , ON
		200 ppm	590 mg/m <sup>3</sup>	AB
Ethyl Acetate	TWA (8h)	150 ppm		BC
		400 ppm		ACGIH , ON
		400 ppm	1440 mg/m <sup>3</sup>	AB , RSST
Butyl acetate (normal)	STEL	200 ppm		ACGIH , ON
		200 ppm	950 mg/m <sup>3</sup>	AB , RSST
	TWA (8h)	20 ppm		BC
		150 ppm		ACGIH , ON
		150 ppm	713 mg/m <sup>3</sup>	AB , RSST
Isobutyl alcohol	TWA (8h)	50 ppm		ACGIH , BC, ON
		50 ppm	152 mg/m <sup>3</sup>	AB , RSST
n-Propyl acetate	STEL	250 ppm		ACGIH , BC, ON
		250 ppm	1040 mg/m <sup>3</sup>	AB , RSST
	TWA (8h)	200 ppm		ACGIH , BC, ON
		200 ppm	835 mg/m <sup>3</sup>	AB , RSST
Xylene	STEL	150 ppm		ACGIH , BC, ON
		150 ppm	651 mg/m <sup>3</sup>	AB , RSST
	TWA (8h)	100 ppm		ACGIH , BC, ON
		100 ppm	434 mg/m <sup>3</sup>	AB , RSST
N,N'-Ethylene distearamide	TWA (8h)	Respirable Dust	3 mg/m <sup>3</sup>	ACGIH
		Total Dust	10 mg/m <sup>3</sup>	ACGIH
Ethylbenzene	STEL	125 ppm	543 mg/m <sup>3</sup>	AB , RSST
	TWA (8h)	20 ppm		ACGIH , BC, ON
		100 ppm	434 mg/m <sup>3</sup>	AB , RSST
1,2,4-Trimethylbenzene	TWA (8h)	25 ppm		ACGIH , BC, ON
		25 ppm	123 mg/m <sup>3</sup>	AB , 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>	Wear safety glasses. If there is a risk of contact with eyes, wear chemical splash goggles.
<b>Hands</b>	Gloves must only be worn on clean hands. Wash gloves with water before removing them. After using gloves, hands should be washed and dried thoroughly. Before using, user should confirm impermeability. Discard gloves with tears, pinholes, or signs of wear. If risk of contact with the liquid, use gloves nitrile or neoprene. Disposable nitrile gloves can also be used, but discard after single use.
<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. Wear synthetic apron, if necessary, to prevent repeated or prolonged contact with skin.
<b>Respiratory</b>	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 enclosed area until maximum 10 times of exposure limit, wear half mask respirator with organic vapors cartridges.
<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>	Clear	<b>Flammability limits</b>	0.6 to 11.5%
<b>Odour</b>	Solvent odor	<b>Flash point</b>	-4.4°C (24.1°F)
<b>Odour threshold</b>	N/Av.	<b>Auto-ignition temperature</b>	N/Av.
<b>pH</b>	N/Ap.	<b>Sensibility to electrostatic charges</b>	Yes
<b>Melting point</b>	N/Av.	<b>Sensibility to sparks and/or friction</b>	N/Av.
<b>Freezing point</b>	N/Av.	<b>Vapour density</b>	>1 (Air = 1)
<b>Boiling point</b>	77.2°C (171°F)	<b>Relative density</b>	0.907 kg/L (Water = 1)
<b>Solubility</b>	No	<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 Volatile</b>	80.15%	<b>Molecular mass</b>	N/Ap.
N/Av.: Not Available    N/Ap.: Not Applicable    Und.: Undetermined    N/E: Not Established			

## 10. Stability and reactivity

<b>Reactivity</b>	No information available.
<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 contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidants, strong bases, mineral acids, strong acids.
<b>Hazardous decomposition products</b>	In combustion: nitrogen oxides, carbon oxides (CO, CO <sub>2</sub> ).

## 11. Toxicological information


<b>Numerical measures of toxicity</b>	Ethyl Alcohol	Ingestion 7060 mg/kg	Rat	LD50
		Inhalation 39 mg/l/4h	Mouse	LC50
		Skin 20000 mg/kg	Rabbit	LD50
	Toluene	Ingestion 5600 mg/kg	Rat	LD50
		Inhalation 30.2 mg/l/4h	Rat	LC50
		Skin 12600 mg/kg	Rabbit	LD50
	Methyl ethyl ketone	Ingestion 2737 mg/kg	Rat	LD50
		Inhalation 32.5 mg/l/4h	Rat	LC50
		Skin 6480 mg/kg	Rabbit	LD50
	Ethyl Acetate	Ingestion 5620 mg/kg	Rat	LD50
		Inhalation 38.2 mg/l/4h	Mouse	LC50
		Skin >18000 mg/kg	Rabbit	LD50
	Butyl acetate (normal)	Ingestion 10768 mg/kg	Rat	LD50
		Inhalation >32.5 mg/l/4h	Rat	LC50
		Skin >17600 mg/kg	Rabbit	LD50
	Distillates (petroleum), hydrotreated middle, intermediate boiling	Ingestion >2000 mg/kg	Rat	LD50
		Skin >2000 mg/kg	Rabbit	LD50
	Urea, polymer with formaldehyde, isobutylated	Ingestion >5000 mg/kg	Rat	LD50
		Skin >5000 mg/kg	Rabbit	LD50
	n-Propyl acetate	Ingestion 8700 mg/kg	Rat	LD50
	Inhalation >16.7 mg/l/4h	Rat	LC50	
	Skin >17800 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	
N,N'-Ethylene distearamide	Ingestion >5000 mg/kg	Rat	LD50	
	Inhalation >14.6 mg/l/4h	Rat	LC50	
	Skin >20000 mg/kg	Rat	LD50	
Xylene	Ingestion 3523 mg/kg	Rat	LD50	
	Inhalation 27.6 mg/l/4h	Rat	LC50	
	Skin 3200 mg/kg	Rabbit	LD50	
1,2,4-Trimethylbenzene	Ingestion 5000 mg/kg	Rat	LD50	
	Inhalation 18 mg/l/4h	Rat	LC50	
	Skin >3160 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	
<b>Likely routes of exposure</b>	Skin, eyes, inhalation, ingestion.			

<b>Delayed, immediate and chronic effects</b>	<b>Eye contact</b>	May cause eye irritation. May cause a burning sensation.
	<b>Skin contact</b>	May cause skin irritation. Prolonged and repeated contact may cause drying and cracking of the skin. Widespread contact with skin for several hours can cause harmful amounts of material to be absorbed.
	<b>Inhalation</b>	Excessive inhalation is harmful. May cause slight upper respiratory tract irritation. High concentrations may cause central nervous system depression characterized by headache, dizziness, nausea, fatigue, drowsiness, unconsciousness. The severity of symptoms may vary depending on exposure conditions. Prolonged exposure may cause damage to liver, kidneys, lungs and blood forming organs.
	<b>Ingestion</b>	May cause gastro-intestinal irritation with nausea and vomiting. Harmful or fatal if inhaled into the lungs (ingestion/vomiting). Contains a substance that can cause target organ damage, according to data obtained on animals.
	<b>IARC/NTP Classification</b>	<b>Common name IARC NTP</b> Ethylbenzene 2B - IARC : 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic. NTP : K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens.
	<b>Carcinogenicity</b>	Contains an ingredient possibly carcinogenic to humans (Group 2B, IARC). Ethylbenzene (CAS no. 100-41-4). The risk of cancer depends on duration and level of exposure.
	<b>Teratogenicity</b>	Xylene overexposure may affect fetal development in laboratory animals by inhalation during pregnancy.
	<b>Mutagenicity</b> <b>Reproductive toxicity</b>	This material is not known to cause mutagenic effect. Toluene present a risk of toxicity on development based on animal study. An epidemiological study (1992) has been done with women exposed only to toluene in a factory. The first group was exposed to ambient concentrations from 50 to 150 ppm and the second at concentrations from 0 to 25 ppm. Comparison with a control group demonstrated a higher spontaneous abortions rates significantly in women exposed to higher concentrations than those of little or no exposure group. Xylene overexposure may affect fetal development in laboratory animals by inhalation during pregnancy.
<b>Immunotoxicity</b>	No information available.	
<b>Interactive effects</b>	No information available for this product.	
<b>Other information</b>	Target organs: central nervous system, kidneys, liver, lungs. respiratory system, blood forming organs. The acute toxicity estimate (ATE) by inhalation of the mixture was calculated to be greater than 20 mg/L/4h. This value is not classified according to GHS. The oral and skin acute toxicity estimates (ATE) of the mixture were calculated to be greater than 5000 mg/kg. These values are not classified according to GHS.	


## 12. Ecological information

<b>Ecological toxicity</b>	N/Av. LC50 N/Av.
<b>Persistence</b>	No information available for this product.
<b>Degradability</b>	No information available for this product.
<b>Bioaccumulative potential</b>	No information available for this product.
<b>Mobility in soil</b>	No information available for this product.
<b>Other adverse effects</b>	No information available for this product.

## 13. Disposal considerations

<b>Container</b> 	<p>Important! Prevent waste generation. Use in full. DO NOT dispose residue in sewers, streams or drinking water supply. Paint residues including lacquer, thinner, stain, shellac, varnish, polish can be reprocessed everywhere there is a recycling program. 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 is not listed as a marine pollutant.
<b>Special precautions for user</b>	No information available.
<b>TDG - Transportation of Dangerous Goods (Canada)</b>	
<b>Transport hazard class(es)</b>	 Class 3
<b>Packing group</b>	II
<b>IMO/IMDG - International Maritime Transport</b>	
<b>Classification</b>	Regulated UN 1263. Class 3, PG II.
<b>IATA - International Air Transport Association</b>	
<b>Classification</b>	Regulated UN 1263. 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

<b>Other regulations</b>	<p>UNITED STATE OF AMERICA:</p> <ul style="list-style-type: none"> <li>- Toxic Substance Control Act (TSCA) :</li> <li>All ingredients are listed in the TSCA Inventory.</li> <li>- EPCRA Section 313 Toxic Chemicals:</li> <li>Ethylbenzene (CAS no. 100-41-4).</li> <li>Xylenes (CAS no. 1330-20-7).</li> <li>1,2,4-Trimethylbenzene (CAS no. 95-63-6).</li> <li>Methyl ethyl ketone (CAS no. 78-93-3).</li> <li>Toluene (CAS no. 108-88-3).</li> <li>- California Proposition 65:</li> <li>Contains ingredients that can cause cancer according to the state of California.</li> <li>Ethylbenzene (CAS no. 100-41-4).</li> <li>This product contains chemicals known to the State of California to cause birth defects or other reproductive harm.</li> <li>Toluene (CAS no. 108-88-3).</li> </ul> <p>CANADA :</p> <ul style="list-style-type: none"> <li>- Canada DSL and NDSL:</li> <li>All ingredients are listed in the Domestic Substances List (DSL).</li> <li>- Canadian National Pollutant Release Inventory Substances (NPRI):</li> <li>Ethylbenzene (CAS no. 100-41-4).</li> <li>Xylenes (CAS no. 1330-20-7).</li> </ul>
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Ethyl alcohol (CAS no. 64-17-5).  
 Toluene (CAS no. 108-88-3).  
 n-Butyl acetate (CAS no. 123-86-4).  
 1,2,4-Trimethylbenzene (CAS no. 95-63-6).  
 Isobutyl alcohol (CAS no. 78-83-1).  
 Ethyl acetate (CAS no. 141-78-6).  
 Methyl ethyl ketone (CAS no. 78-93-3).

**WHMIS 1988**



B2 D2A D2B

Class B2 : Flammable Liquid

Class D2A : Very toxic material causing other toxic effects

Class D2B : Toxic material causing other toxic effects

**HMIS**



**NFPA**



## 16. Other information

<b>Date (YYYY-MM-DD)</b>	GEMINI INDUSTRIES, INC. 2014-10-15
<b>Version</b>	01
<b>Other information</b>	<p>REFERENCES:</p> <ul style="list-style-type: none"> <li>- Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, <a href="http://hazmap.nlm.nih.gov/index.php">http://hazmap.nlm.nih.gov/index.php</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>- 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>- Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), <a href="http://www.reptox.csst.qc.ca">http://www.reptox.csst.qc.ca</a></li> <li>- IUCLID Chemical Dataset, European Chemical Substances Information System (ESIS), Joint Research Centre, <a href="http://esis.jrc.ec.europa.eu">http://esis.jrc.ec.europa.eu</a></li> <li>- OECD Existing Chemicals Database, Chemicals Screening Information Data Set (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> </ul> <p>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</p>

## WHMIS: Workplace Hazardous Materials Information System

To the best of our knowledge, the information contained herein is accurate. However, neither Préventis System 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.