

### SECTION 1: IDENTIFICATION

<b>Product Name</b>	BSL 680 Opaque Conversion Varnish Semi-Gloss Black
<b>Product Code #</b>	310095.65
<b>Manufacturer</b>	Gemini Industries, Inc.
<b>Address</b>	421 SE 27th Street El Reno, OK 73036
<b>Phone</b>	Local: (800) 262-5710 Toll Free: (800) 444-7833
<b>Emergency Contact</b>	CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300 International CHEMTREC, call: 1-800-255-3924
<b>Recommended Use/Restrictions</b>	

### SECTION 2: HAZARD(S) IDENTIFICATION

<b>Classifications</b>	Acute Toxicity - Oral: Category 3 Acute Toxicity - Skin: Category 4 Acute Toxicity - Inhalation: Category 4 Skin Corrosion: Category 2 Eye Damage/Irritant: Category 1 Carcinogenicity: Category 2 STOT Single Exposure: Category 3 STOT Repeated Exposure: Category 2 Flammable Liquid: Category 2
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**Pictograms**

**Signal Word**

Danger

**Hazard Statements**

H301 | Toxic if swallowed.  
 H312 | Harmful if in contact with skin.  
 H332 | Harmful if inhaled.  
 H315 | Causes skin irritation.  
 H318 | Causes serious eye damage.  
 H351 | Suspected of causing cancer.  
 H335 | May cause respiratory irritation.  
 H373 | May Cause damage to organs through prolonged or repeated exposure.  
 H225 | Highly flammable liquid and vapor.

**Precautionary Statements**

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/lighting/other equipment.  
 P242 | Use only non-sparking tools.  
 P243 | Take precautionary measures against static discharge.  
 P201 | Obtain special instructions before use.  
 P202 | Do not handle until all safety precautions have been read and understood.  
 P260 | Do not breathe dust/fume/gas/mist/vapors/spray.



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P261 | Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 | Wash any exposed body parts thoroughly after handling.  
P270 | Do not eat, drink or smoke when using this product.  
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.  
P301 + P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P302 + P352 | IF ON SKIN: Wash with plenty of 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.  
P305 + P351 + P338 | IF IN EYES: Rinse cautiously 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.  
P310 | Immediately call a POISON CENTER or doctor/physician.  
P314 | Get medical advice/attention if you feel unwell.  
P321 | Specific treatment (see supplemental first aid instruction on this label if immediate administration of antidote/specific measures/cleansing agent/immediate measures is/are appropriate/required).  
P322 | Specific measures (see supplemental first aid instruction on this label if immediate measures such as specific cleansing agent is advised).  
P330 | Rinse mouth.  
P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention.  
P362 | Take off contaminated clothing and wash before reuse.  
P363 | Wash contaminated clothing before reuse.  
P370 + P378 | In case of fire: Use appropriate media for extinction if water increases risk.  
P403 + P233 | Store in a well-ventilated place. Keep container tightly closed.  
P403 + P235 | Store in a well-ventilated place. Keep cool.  
P405 | Store locked up.  
P501 | Dispose of contents/container to appropriate waste disposal entity in accordance with local/regional/national/international regulation.

**Percent of the mixture consisting of ingredient(s) of unknown toxicity**

To the best of our knowledge, there are no additional ingredient(s) present requiring hazardous reporting or health warnings.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Reportable Components</b>	<b>% of Comp.</b>	<b>CAS No.</b>
ETHYL ALCOHOL	20 - 30%	64-17-5
XYLENE	10 - 20%	1330-20-7
N-BUTYL ALCOHOL	5 - 10%	71-36-3
ETHYL BENZENE	5 - 10%	100-41-4
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	1 - 5%	108-65-6
METHYL ISOBUTYL KETONE	1 - 5%	108-10-1
CARBON BLACK	< 1.0%	1333-86-4

**SECTION 4: FIRST AID MEASURES**



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<b>General Advice</b>	Have Safety Data Sheet available when calling Poison Control Center (1-800-222-1222) or physician; or when going to the emergency room.
<b>Eyes</b>	Immediately flush eye with plenty of water for 15 minutes, while lifting upper and lower eyelids. Remove contact lenses if present and easy to do. Continue rinsing. Check eye for chemical burns. Get medical attention.
<b>Skin</b>	Immediately wash with soap and water. Remove contaminated clothing and shoes. Wash or clean thoroughly before reuse. Get medical attention if irritation persists.
<b>Inhalation</b>	Remove to exposure to fresh air. If breathing is difficult, give oxygen. If breathing is stopped, give artificial respiration. Keep person warm and quiet. Get medical attention.
<b>Ingestion</b>	DO NOT INDUCE VOMITING! Call Poison Control Center, (1-800-222-1222) or physician immediately. NOTE: Aspiration of solvents may result in chemical pneumonia.

### SECTION 5: FIRE FIGHTING MEASURES

<b>Fire Hazard</b>	Yes
<b>Extinguishing Media</b>	Foam, CO2, Dry Chemical, Water Mist
<b>Special Protective Equipment and Firefighting Procedures</b>	Evacuate all unnecessary personnel. Use full protective equipment. Cool closed containers to prevent pressure build-up and possible explosion. Direct water stream is not recommended for oil base fires. Product may float and reignite on surface of water. Do not allow product or runoff from fire control measures to enter storm or sanitary sewers or waterways.
<b>Unusual Fire &amp; Explosion</b>	Explosive vapor mixtures may form which is dangerous when exposed to heat and flame. Vapors are heavier than air and may travel along the ground, or be moved by ventilation, and ignited by pilot lights, stoves, heaters, electric motors, sparks, flame, smoking, static discharge or other ignition sources even at location distant from material handling site. Free falling stream of liquid may cause static electricity build-up and create fire hazard.
<b>Hazardous Combustion Products</b>	See Section 10

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Avoid any uncontrolled release of material. Wear chemical splash goggles, impervious gloves, appropriate respirators, and protective clothing until all hazards are known.
<b>Spills / Leaks</b>	If spill/leak occurs, eliminate ignition sources and ventilate area. Evacuate all unnecessary personnel. Wear full protective equipment. Dike drains to prevent entering storm or sanitary sewers, rivers, streams, or waterways. Contain spill and cover with inert absorbent material. Clean using non-sparking tools (aluminum, brass, copper) and place mixture into containers for disposal. Note: Some spills/releases may require special reporting to local, state or federal agencies.

### SECTION 7: HANDLING AND STORAGE



## BSL 680 Opaque Conversion Varnish Semi-Gloss Black

### Handling

Handle using good industrial hygiene and safety practices. Avoid breathing vapors, spray mists, or dusts. Avoid contact with eyes and skin. Do not take internally. Use adequate ventilation, respiratory and personal protection. Avoid spraying hot surfaces.

### Storage

Keep liquid and vapor away from heat, sparks, and flame. Turn off or remove all sources of ignition. Use proper methods of ventilation to prevent vapor buildup. Avoid contact with hot metal surfaces. Avoid free fall of liquids. Ground and bond fixed equipment, pails, drums and other transfer containers. Do not reuse, weld, drill, or heat empty containers which may contain explosive vapors.

Keep container closed when not in use and during transit. Store container in an upright position in a cool, dry environment and protect from damage. Use adequate ventilation. Follow label warnings until thoroughly cleaned or until container is sent for disposal. Do not remove or deface labels until empty containers have been destroyed or thoroughly cleaned. Do not transfer product to unlabeled containers. Do not store above 120 deg. F (50 deg. C).

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits

Chemical Description	OSHA PEL	ACGIH TLV	Other
Ethyl alcohol	1000 ppm	1000 ppm	1880 mg/m3
Xylene	100 ppm	100 ppm	150 ppm STEL
n-Butyl alcohol	100 ppm	20 ppm	(skin)
Ethyl benzene	100 ppm	20 ppm	434 mg/m3
Propylene glycol monomethyl ether acetate	NOT EST.	NOT EST.	50 ppm
Methyl isobutyl ketone	100 ppm	20 ppm	205 mg/m3 NIOSH
Carbon black	3.5 mg/m3	3 mg/m3	NOT EST.

**THIS PRODUCT CONTAINS A RESIN WITH THE POTENTIAL TO EMIT FORMALDEHYDE DURING USE. EXPOSURE LEVELS WILL VARY WITH SHOP CONDITIONS AND CONTROLS. BEFORE INITIAL USE, CONSULT OSHA'S FORMALDEHYDE STANDARD (29 CFR 1910.1048).**

### Engineering Controls

USE ONLY WITH ADEQUATE VENTILATION. Provide mechanical ventilation, local exhaust or other appropriate means of ventilation to prevent build-up of vapor or dust. Keep worker exposure to airborne contaminants below suggested or allowable limits. Keep area vapor and/or dust concentrations below lower explosive limits. Eye wash and safety showers are recommended in the workplace.

### Personal Protective Equipment

#### Hand

Wear impermeable, chemical resistant gloves to prevent skin contact. Consult safety equipment supplier for specific recommendations of construction material. Wash hands with soap and water after using and before eating or using tobacco products.

#### Eyes

Wear chemical goggles designed to protect eyes against vapor, liquid splash and mists unless full-face respirator is worn. Ensure eye wash and safety showers are near workstations. NOTE: Contact lenses may contribute to the severity of an eye injury and should be removed immediately if exposure occurs.

#### Skin

Wear protective clothing, including headcap, to avoid skin contact with liquid or overspray. Thoroughly clean contaminated clothing and shoes before reuse.

#### Respiratory

USE ADEQUATE VENTILATION! Ensure fresh air entry during application and drying. If you experience eye watering, headache, dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate,



properly fitted respirator (NIOSH approved for the hazardous ingredients listed in Section 3) during and after application. If appropriate, use respirator pre-filter or dust/particle mask to avoid breathing sanding dust Follow respirator manufacturer's instructions for use. Periodically monitor exposure levels to hazardous ingredients listed in Section 3 and review permissible exposure limits above.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Opaque black liquid	<b>Upper Flammability/Explosive Limit</b>	19.00
<b>Odor</b>	Strong solvent	<b>Lower Flammability/Explosive Limit</b>	1.00
<b>pH value</b>	No Data	<b>Vapor Pressure</b>	4.00
<b>Freezing Point (F)</b>	No Data	<b>Vapor Density</b>	1.59
<b>Boiling Point (F)</b>	No Data	<b>Vapor Temperature</b>	68.00
<b>Boiling Range</b>	172.00 - 284.00	<b>Relative Density/Specific Gravity</b>	7.83039
<b>Flash Point (F)</b>	55.00	<b>Solubility</b>	Moderately Water Soluble
<b>Flash Point Method Used</b>	P Marten	<b>Partition Coefficient</b>	No Data
<b>Evaporation Rate</b>	No Data	<b>Auto-Ignition Temperature</b>	No Data
<b>Flammability</b>	Yes	<b>Decomposition Temperature</b>	No Data
<b>Viscosity</b>	See Tech Data Sheet		

**SECTION 10: STABILITY AND REACTIVITY**

<b>Chemical Reactivity</b>	Will not occur.
<b>Chemical Stability</b>	Stable.
<b>Conditions to Avoid</b>	High temperatures, humidity, ignition sources and vapor build-up.
<b>Materials to Avoid</b>	Strong oxidizers, strong acids, strong bases
<b>Hazardous Decomposition</b>	Carbon Monoxide, Carbon Dioxide, Hydrocarbons, Aldehydes, Other Organic Compounds

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Acute Toxicity**

Reportable Components	LD50 Oral	LC50 Inhalation	LD50 Dermal
Ethyl alcohol	7,060 mg/kg	39 g/m3	15,800 mg/kg
Xylene	Not available	6,700 ppm	Not available
n-Butyl alcohol	790 mg/kg	8,000 ppm (4H)	3,400 mg/kg
Ethyl benzene	3,500 mg/kg	Not available	15,433 mg/kg
Propylene glycol monomethyl ether acetate	8,532 mg/kg	Not available	> 2,000 mg/kg
Methyl isobutyl ketone	2,080 mg/kg	8 mg/m3 (4H)	> 16,000 mg/kg
Carbon black	> 8,000 mg/kg	Not available	> 3,000 mg/kg



## Inhalation

### Description of Effects From Short- and Long-Term Exposure:

Vapors and mists irritate nose, throat, and lungs (burning, stinging, coughing). May cause headache, dizziness, nausea, weakness, shortness of breath and loss of coordination. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Exposure to extremely high vapor concentrations may cause unconsciousness and asphyxiation. Dust, sanding dusts and particles may cause nose and throat irritation. Harmful if inhaled.

## Ingestion

### Description of Effects From Short- and Long-Term Exposure:

Causes nausea, vomiting, diarrhea and severe central nervous system depression (headache, dizziness, nausea, loss of coordination). Toxic if swallowed.

## Eyes

### Description of Effects From Short- and Long-Term Exposure:

Contact with liquid or vapors causes severe irritation (redness, watering, itching, stinging, blurred vision) and possible cornea damage.

## Skin

### Description of Effects From Short- and Long-Term Exposure:

Contact causes mild to severe irritation (dryness, itching, cracking, rash and swelling) and possible burns with prolonged contact. Harmful if in contact with skin.

## Carcinogen Information

Contains a chemical with the potential to cause cancer. Risk of cancer depends on level and duration of exposure.

Reportable Components: Ethyl benzene is classified by IARC as Group 2B, possibly carcinogenic to humans. Carbon black is classified by IARC as Group 2B, possibly carcinogenic to humans (respirable dust).

## Carcinogens Listing

<b>NTP</b>	No
<b>IARC</b>	Yes
<b>OSHA</b>	No

## SECTION 12: ECOLOGICAL INFORMATION

## Aquatic Toxicity

### Ethyl alcohol

Toxicity to Fish LC50: 14,200 mg/l - 96 h

Toxicity to Algae EC50: 275 mg/l - 72 h

### n-Butyl alcohol

Toxicity to Fish LC50: 1,840 mg/l - 96 h

Toxicity to Algae EC50: Not Available

**Ethyl benzene**

Toxicity to Fish LC50: 5.1 mg/l - 96 h

Toxicity to Algae EC50: 4.9 mg/l - 72 h

**Propylene glycol monomethyl ether acetate**

Toxicity to Fish LC50: 100-180 mg/l-96 h

Toxicity to Algae EC50: Not Available

**Methyl isobutyl ketone**

Toxicity to Fish LC50: 480 mg/l - 48 h

Toxicity to Algae EC50: 980-2,000 mg/l-48 h

**Carbon black**

Toxicity to Fish LC50: &gt; 1,000 mg/l - 96 h

Toxicity to Algae EC50: &gt;10,000 mg/l -72 h

**Biodegradability** No Data

**Bioaccumulation** No Data

### SECTION 13: DISPOSAL CONSIDERATION

Waste materials and empty container must be disposed of in accordance with applicable federal, state/provincial, and local regulations. Regulations may vary by location. Empty containers may hold hazardous vapors. Do not weld or expose to heat.

### SECTION 14: TRANSPORT INFORMATION

**DOT Description**

UN1263, PAINT, 3, PGII

### SECTION 15: REGULATORY INFORMATION

**TSCA Status** In compliance with TSCA inventory requirements for commercial purposes.

**SARA 312 Regulated Chemical(s)** Ethyl alcohol  
 Xylene  
 n-Butyl alcohol  
 Ethyl benzene  
 Propylene glycol monomethyl ether acetate  
 Methyl isobutyl ketone  
 Carbon black

**SARA 313 Regulated Chemical(s)** Xylene  
 n-Butyl alcohol  
 Ethyl benzene  
 Methyl isobutyl ketone

**California Prop. 65**

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**PA Right to know Chemical(s)**

 Ethyl alcohol  
 Xylene  
 n-Butyl alcohol  
 Ethyl benzene  
 Methyl isobutyl ketone  
 Carbon black

**NJ Right to know Chemical(s)**

Ethyl alcohol  
Xylene  
n-Butyl alcohol  
Ethyl benzene  
Methyl isobutyl ketone  
Carbon black

**MA Right to know Chemical(s)**

Ethyl alcohol  
Xylene  
n-Butyl alcohol  
Ethyl benzene  
Methyl isobutyl ketone  
Carbon black

**Canada**

Not Applicable.

**Additional Regulatory Information**

Not Applicable.

**SECTION 16: OTHER INFORMATION****HMIS**

BSL 680 Opaque Conversion Varnish

<b>HEALTH</b>	<b>2*</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>REACTIVITY</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>X</b>

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