

**TO COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR.1910.1200 & THE
GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS****Section 1: Identification of the Substance/Mixture and of the Company/Undertaking****Product Identifier:**

Identification as on the label/Trade name: Black Gel Coat

Product Code(s): 020579000108, 020579000110, 020579000113, 020579000008, 020579000010

Relevant Identification Uses of the Substance and Uses Advised Against:**Identified uses:** Yacht/Boat construction, manufactured parts, spray up process, hand Lay-up application, mold construction**Uses advised against:** No other uses are advised.**Details of the Supplier of the Safety Data Sheet:**Fiberglass Warehouse
1468 Northgate Blvd
Sarasota, FL 34234
+1-833-669-7899**Emergency Telephone Numbers:**24-hour Emergency Contact:
CHEMTREC 24-hour: +1-800-424-9300 (USA)**Section 2: Hazards Identification****Classification of the Substances or Mixture:****Hazard classes/Hazard categories:****Flammable liquid and vapor:** Category 3*, H226**Acute toxicity - Inhalation:** Category 4, H332**Eye irritation:** Category 2, H319**Skin irritation:** Category 2, H315**STOT-SE = Specific Target Organ Toxicity – Single Exposure:** Category 3, H335**STOT-RE = Specific Target Organ Toxicity – Repeated Exposure:** Category 1, H372**HazardCodes:** *=Chronic Hazard -- 0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Serious Hazard, 4=Severe Hazard**Label Elements:****GHS-US Labeling:****Signal Word(GHS-US):** DANGER**Hazard Statements**

H226 Flammable liquid vapor

H315-Causes skin irritation



H319-Causes serious eye irritation

H332-Harmful if inhaled

H335-May cause respiratory irritation

H372-Causes damage to organs through prolonged or repeated exposure if inhaled

H304-May be fatal if swallowed and enters airways

Precautionary Statements(GHS-US)**General**

P101-If medical advice is needed, have product container or label at hand

P102-Keep out of reach of children

Prevention

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/equipment

P242-Use only non-sparking tools

P243-Take precautionary measures against static discharge

P280-Wear protective gloves/protective clothing/eye protection/face protection

P264-Wash with water thoroughly after handling

P271-Use only outdoors or in a well-ventilated area

P270-Do not eat, drink or smoke when using this product

P261-Do not breathe vapor or mist

Response

P370+P378-In case of fire: Use DRY chemicals, CO², water spray foam

P308+P313-IF exposed or concerned: Get medical attention

P304+P340+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

P303+P361+P353-IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower

P333+P313-If skin irritation occurs: Get medical attention

P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337+P313-If eye irritation persists: Get medical attention/advice

P391-Collect spillage

Storage

P403+P235-Store in a well-ventilated place. Keep cool

P233-Keep container tightly closed

P405-Store locked up

Disposal

P501-Dispose of contents and container in accordance with all local, regional, national and international regulations

Other Hazards:

Other hazards not contributing to the classification

Not Known



Section 3: Composition/Information on Ingredients

Substances

Substance name (IUPAC/EC)	CAS-No.	Concentration % by weight
Styrene	100-42-5	31-33
Carbon Black	1333-86-4	≥10 - <25
Methyl Methacrylate	80-62-6	6.3
Talc	14807-96-6	≥5 - <10
Silica, Amorphous	7631-86-9	≥1 - <3
Cobalt 2- Ethylhexanoate	136-52-7	≥0.1 - <0.3

Section 4: First-Aid Measures

First Aid Measures:

Inhalation: Move the victim to a safe area as soon as possible. Allow the victim to rest in a well-ventilated area. If breathing is difficult, give oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Ingestion: Wash out mouth with water. Remove dentures if any. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Seek immediate medical attention.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. If irritation persists, seek medical attention. Wash contaminated clothing before reuse. Clean shoes thoroughly before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Use of buffered baby shampoo will aid in removal. If irritation persists, get medical attention.

Most Important Symptoms and Effects:

Acute and Delayed:

EYE CONTACT: Causes serious eye irritation

INHALATION: Harmful if inhaled. May cause respiratory irritation.

SKIN CONTACT: Causes skin irritation.

INGESTION: Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms:

EYE CONTACT: Adverse symptoms may include the following: pain or irritation, watering, redness

INHALATION: Adverse symptoms may include the following: respiratory tract irritation, coughing

SKIN CONTACT: Adverse symptoms may include the following: irritation, redness

INGESTION: Adverse symptoms may include the following: irritating to mouth, throat and stomach

Notes for Physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. See Toxicological Information (Section 11)



Section 5: Fire-Fighting Measures

Extinguisher Media

Suitable Extinguishing Media

Use dry chemical, CO², water spray (fog) or foam.

Unsuitable Extinguishing Media

Do not use water jet.

Special Hazards Arising from the Chemical

Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous Thermal Decomposition Products

Decomposition products may include the following materials: carbon dioxide, carbon monoxide, sulfur oxides, halogenated compounds, metal oxide/oxides.

Special protective actions for fire-fighters

Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation.

For emergency responders

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. See also the information in 'For non-emergency personnel'

Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.



Methods and materials for containment and cleaning up

Small spill

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

Large spill

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: See Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7: Handling and Storage

Precautions for Safe Handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for Safe Storage, Including Any Incompatibilities:

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Segregate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Refer to the product label and/or technical data sheet for further information.



Section 8: Exposure Controls and Personal Protection

Control Parameters:

Component	Exposure Limits	
Styrene	<p>TWA: 20 ppm 8 hours TWA: 85 mg/m³ 8 hours STEL: 40 ppm 15 minutes STEL: 170 mg/m³ 15 minutes</p> <p>TWA: 100 ppm 8 hours AMP: 600 ppm 5 minutes CEIL: 200 ppm</p> <p>TWA: 50 ppm 10 hours TWA: 215 mg/m³ 10 hours STEL: 100 ppm 15 minutes STEL: 425 mg/m³ 15 minutes</p>	<p>ACGIH TLV (United States, 3/2012) Absorbed through skin</p> <p>OSHA PEL Z2 (United States, 11/2006)</p> <p>NIOSH REL (United States, 6/2009)</p>
Methyl Methacrylate	<p>TWA: 50 ppm 8 hours TWA: 205 mg/m³ 8 hours STEL: 100 ppm 15 minutes STEL: 410 mg/m³ 8 hours</p> <p>TWA: 100 ppm 8 hours TWA: 410 mg/m³ 8 hours</p> <p>TWA: 100 ppm 10 hours TWA: 410 mg/m³ 10 hours</p>	<p>ACGIH TLV (United States, 3/2012) Skin sensitizer</p> <p>OSHA PEL (United States, 6/2010)</p> <p>NIOSH REL (United States, 6/2009)</p>
Talc	<p>TWA: 0.1 f/cc 8 hours</p> <p>: 1 f/cc 30 minutes. Form: not containing asbestos TWA: 20 mppcf 8 hours Form: not containing asbestos</p> <p>TWA: 2 mg/m³ 10 hours Form: Respirable fraction</p>	<p>ACGIH TLV (United States, 1/2008)</p> <p>OSHA PEL Z3 (United States, 9/2005)</p> <p>NIOSH REL (United States, 6/2008)</p>
Silica, Amorphous	<p>TWA: 6 mg/m³ 10 hours</p>	<p>NIOSH REL (United States, 6/2009)</p>
Cobalt 2-Ethylhexanoate	<p>TWA: 0.1 mg/m³</p>	<p>OSHA PEL (United States)</p>



Appropriate Engineering Controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures

Eye/Face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.



Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Ensure that eyewash stations and safety showers are close to the workstation location.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Section 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties:

Physical state: Liquid.

Color: Black.

Odor: Aromatic.

Odor threshold: 0.01 - 0.1 ppm

pH(centration): No data available.

Relative evaporation rate: <1 (Butyl acetate = 1)

Melting point/range: -23.8°F (-30.6°C) (styrene)

Boiling point/range: 293°F (145°C) (styrene)

Flash point: 88°F (31°C) (styrene)

Auto-ignition Temperature: 914°F (490°C)(styrene)

Decomposition Temperature: No data available.

Flammability (solid, gas): Not applicable.

Vapor pressure: 5.0 mm Hg@ 68°F (20°C) (styrene)

Vapor density: 3.6 mm Hg (Air= 1) (styrene)

Relative density: 1.1 - 1.4 (water=1)

Solubility: Slight

Partition coefficient N-Octanol/water: No data available.



Viscosity:No data available.

Molecular Weight: 10,000 to 15,000

Explosive Limits: Upper - 6.1% Lower - 1.1% (styrene)

Other Information:

None available

Section 10: Stability and Reactivity

Reactivity

No specific test data related to reactivity available for this product or its ingredients

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur

Chemical Stability

This product is stable. Stable under recommended storage and handling conditions (see Section 7)

Conditions to Avoid

Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition

Incompatible Materials

Reactive or incompatible with the following materials: oxidizing materials

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological Information

Information on Toxicological Effects:

Acute toxicity

Component	Result	Species	Dose	Exposure
Styrene	LC50 Inhalation Gas.	Rat	2770 ppm	4 hours
	LC50 Inhalation Vapor	Rat	11800 mg/m ³	4 hours
	LD50 Oral	Rat	2650 mg/kg	-----
Methyl Methacrylate	LC50 Inhalation Gas.	Rat	7094 ppm	4 hours
	LC50 Inhalation Vapor	Rat	78000 mg/m ³	4 hours
	LD50 Dermal	Rabbit	>5 g/kg	-----
	LD50 Oral	Rat	7872 mg/kg	-----
Cobalt 2-Ethylhexanoate	LD50 Dermal	Rabbit	>5 g/kg	-----
	LD50 Oral	Rat	1.22 g/kg	-----
	LD50 Oral	Rat	6171 mg/kg	-----



Irritation/Corrosion

Component	Result	Species	Score	Exposure	Observation
Styrene	Eyes - Mild irritant	Human	-----	50 ppm	-----
	Eyes - Moderate irritant	Rabbit	-----	24 hours 100	-----
	Eyes - Severe irritant	Rabbit	-----	milligrams	-----
	Skin - Mild irritant	Rabbit	-----	100 milligrams	-----
	Skin - Moderate irritant	Rabbit	-----	500 milligrams 100 Percent	-----
Silica/Amorphous	Eyes - Mild irritant	Rabbit	-----	24 hours 25 milligrams	-----

Sensitization: May cause sensitization by skin contact

Carcinogenicity

Classification

Component	ACGIH	IARC	NTP
Styrene	-----	2B	Reasonably anticipated to be a human carcinogen
Methyl Methacrylate	-----	3	-----
Talc	-----	1	Known to be a human carcinogen
Silica, Amorphous	-----	3	-----
Cobalt 2-Ethylhexanoate	-----	2B	-----



1. **Negative Study:** A published study concluded that the mechanism for producing cancer in mice exposed to styrene is not applicable in human metabolism. (June 2013 Pharmacology & Toxicology 66 (2013)).
2. **Negative Study:** A recent update to an extensive study on reinforced plastic workers from 1948-1977 concluded that there was no coherent evidence that styrene exposure increased risk of cancer (March 2013 Epidemiology Vol. 24 Issue 2).
3. **Positive Study:** Styrene induced pulmonary toxicity and carcinogenicity in mice was shown to be caused by a metabolite of styrene, probably styrene oxide. (Dec. 2001 Toxicology Vol. 169 Issue 2).

Mutagenicity: No mutagenic effect

Reproductive toxicity: Not considered to be toxic to the reproductive system

Teratogenicity: No known effect according to our database

Specific target organ toxicity (single exposure): No known effect according to our database

Specific target organ toxicity (repeated exposure): A study of long term effects of workers exposed to styrene levels in the range of 25-35 ppm, 8 hour TWA, indicated a possible mild hearing loss.

Aspiration hazard: No known effect according to our database

Potential acute health effects

Eye contact: No known effect according to our database

Inhalation: Harmful if inhaled. May cause respiratory irritation.

Skin contact: Causes skin irritation

Ingestion: Irritating to mouth, throat and stomach

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: Adverse symptoms may include the following: pain or irritation, watering, redness

Inhalation: Adverse symptoms may include the following: respiratory tract irritation, coughing

Skin contact: Adverse symptoms may include the following: irritation, redness

Ingestion: Adverse symptoms may include the following: irritating to mouth, throat and stomach

Section 12: Ecological Information

Toxicity:

Component	Result	Specias	Exposure
Styrene	Acute EC50 4.7 mg/l Fresh water Acute LC50 4.02 mg/l Fresh water	Daphnia-Daphnia magna Fish- Pimephales promelas	48 hours 96 hours
Methyl Methacrylate	Acute LC50 130000 µg/l Fresh water	Fish- Pimephales promelas - Adult	96 hours

Persistence and Degradability:

Component	Test	Result	Dose	Inoculum
Styrene	EU	100% - Readily- 1 days	-----	-----



Component	Aquatic half-life	Photolysis	Biodegradability
Styrene	-----	-----	Readily

Bio-Accumulative Potential:

Component	LogPow	BCF	Potential
Styrene	2.95	13.49	Low
Methyl Methacrylate	1.38	-----	Low

Mobility in Soil:

No data available.

Other Adverse Effects:

No known effect according to our database

Section 13: Disposal Considerations

Waste Treatment Methods:

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid disposal. Attempt to use product completely in accordance with intended use. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14: Transport Information

UN Number:

UN-No.(DOT): 1866

UN Proper Shipping Name:

DOT proper shipping name: RESIN SOLUTION

DOT hazard class: 3-Class 3-Flammable and combustible liquid

49 CFR 173.120

Environmental Hazards: Marine Pollutant: NO



Hazard Labels (DOT):

Packing Group (DOT): III

Special precautions for user: Transport within user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident of spillage.

Additional Information:

Other Information: No supplementary information available

15: Regulatory Information

Inventories (National and International)

United States Inventory (TSCA 8b): All Components are listed or exempted.

Australia: Not determined

Canada: All Components are listed or exempted.

China: All Components are listed or exempted.

Europe: Not determined

New Zealand: Not determined

Philippines: Not determined

Japan: Not determined

Malaysia: Not determined

Republic of Korea: All Components are listed or exempted.

Taiwan: Not determined

SARA 311/312

Composition/information on ingredients

Component	Fire Hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Styrene	Yes	No	No	No	Yes
Methyl Methacrylate	Yes	No	No	Yes	No
Talc	No	No	No	No	Yes
Silica, Amorphous	No	No	No	Yes	No
Cobalt 2-Ethylhexanoate	No	No	No	Yes	Yes



SARA 313

	Component	CAS Number
Form R – Reporting requirements	Styrene	100-42-5
	Methyl Methacrylate	80-62-6
	Cobaly 2- Ethylhexanoate	136-52-7

State regulations

Prop65 WARNING: This product can expose you to chemicals including styrene which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

Section 16: Other Information

Full Text of H-phrases:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
STOT SE 3	Specific target organ toxicity-Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H311	Toxic in contact with skin
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

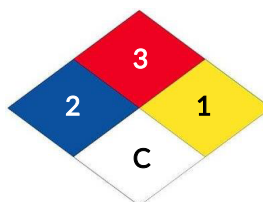
HMIS III Rating

Health: 2-Moderate Hazard

Flammability: 3-Serious Hazard

Physical: 1-Slight Hazard

Personal Protection: C



Fiberglass Warehouse believes the law requires us to inform you that detectable amounts of any of the listed chemicals might be present in Fiberglass Warehouse products. Based on a review of the list, Fiberglass Warehouse products, like all synthetic and naturally occurring chemical substances, may conceivably contain trace contaminants of some of the listed substances. While not necessarily added to our products as ingredients, some of the listed chemicals may be present in the raw materials as received from suppliers over which we have no control.



Pop65 WARNING: This product can expose you to chemicals including styrene which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

Information in this SDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and we assume no liability resulting from the use of this SDS. The user must determine suitability of this information for his application.