

Carbon Filled Repair Compound - Part A

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

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Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Product name : Carbon Filled Repair Compound - Part A
 Product code : Not available.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Carbon repair compound

1.3. Details of the supplier of the safety data sheet

HITCO Carbon Composites
 1600 W. 135 Street
 Gardena, CA 90249 - U.S.A
 T +1-310-527-0700

1.4. Emergency telephone number

Emergency number : CHEMTREC: U.S.: (800) 424-9300; International: (703) 527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US and GHS-CA classification

Flammable Liquid 4
 Acute Toxicity 3 (Inhalation)
 Skin Corrosion 1B
 Serious Eye Damage 1
 Skin Sensitization 1
 Germ Cell Mutagenicity 2
 Carcinogenicity 1A
 Specific Target Organ Toxicity After Repeated Exposure 2
 (Health) Hazard Not Otherwise Classified

2.2. Label elements

GHS-US and GHS-CA labelling

Hazard pictograms (GHS-US/GHS-CA) :



GHS05

GHS06

GHS07

GHS08

Signal word (GHS-US/GHS-CA) :

Danger

Hazard statements (GHS-US/GHS-CA) :

Combustible liquid. Toxic if inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of causing genetic defects. May cause cancer. May cause damage to organs through prolonged or repeated exposure. Causes severe damage to the respiratory tract.

Precautionary statements (GHS-US/GHS-CA) :

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. If exposed or concerned: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a poison center/doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If swallowed: rinse mouth. Do NOT induce vomiting. Immediately call a poison center/doctor. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

Not applicable.

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according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

2.4. Unknown acute toxicity (GHS US)

Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable.

3.2. Mixture

Name	Product identifier	%
Carbon black	(CAS No) 1333-86-4	36 - 37
Phenol	(CAS No) 108-95-2	5.6-5.7
Isopropyl alcohol	(CAS No) 67-63-0	4-5
Formaldehyde	(CAS No) 50-00-0	0.52

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Immediately call a poison center or doctor/physician.
First-aid measures after skin contact	: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Immediately call a poison center or doctor/physician.
First-aid measures after eye contact	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Immediately call a poison center or doctor/physician.
First-aid measures after ingestion	: If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Immediately call a poison center or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	: Toxic if inhaled. Causes severe damage to the respiratory tract.
Symptoms/injuries after skin contact	: Causes severe skin burns. Symptoms may include redness, pain, blisters. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/injuries after ingestion	: May be harmful if swallowed. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. May cause stomach distress, nausea or vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry chemical, alcohol foam, carbon dioxide.
Unsuitable extinguishing media	: Water may be ineffective.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Combustible liquid. Products of combustion may include, and are not limited to: oxides of carbon, formaldehyde gas, phenolics.
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5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
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6.2. Methods and material for containment and cleaning up

For containment	: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning up	: Scoop up material and place in a disposal container. Provide ventilation.

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6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from sources of ignition - No smoking. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use only outdoors or in a well-ventilated area.

Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Keep container tightly closed and in a well-ventilated place. Store locked up.

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Carbon black (1333-86-4)		
ACGIH	ACGIH TWA (mg/m ³)	3 mg/m ³ (inhalable fraction)
OSHA	OSHA PEL (TWA) (mg/m ³)	3.5 mg/m ³
IDLH	US IDLH (mg/m ³)	1750 mg/m ³
NIOSH	NIOSH REL (TWA) (mg/m ³)	3.5 mg/m ³ 0.1 mg/m ³ (Carbon black in presence of Polycyclic aromatic hydrocarbons)

Phenol (108-95-2)		
ACGIH	ACGIH TWA (ppm)	5 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	19 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	5 ppm
IDLH	US IDLH (ppm)	250 ppm
NIOSH	NIOSH REL (TWA) (mg/m ³)	19 mg/m ³
NIOSH	NIOSH REL (TWA) (ppm)	5 ppm
NIOSH	NIOSH REL (ceiling) (mg/m ³)	60 mg/m ³
NIOSH	NIOSH REL (ceiling) (ppm)	15.6 ppm

Isopropyl alcohol (67-63-0)		
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	400 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	980 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	400 ppm
IDLH	US IDLH (ppm)	2000 ppm (10% LEL)
NIOSH	NIOSH REL (TWA) (mg/m ³)	980 mg/m ³
NIOSH	NIOSH REL (TWA) (ppm)	400 ppm
NIOSH	NIOSH REL (STEL) (mg/m ³)	1225 mg/m ³
NIOSH	NIOSH REL (STEL) (ppm)	500 ppm

Formaldehyde (50-00-0)		
ACGIH	ACGIH Ceiling (ppm)	0.3 ppm
OSHA	OSHA PEL (TWA) (ppm)	0.75 ppm
OSHA	OSHA PEL (STEL) (ppm)	2 ppm (see 29 CFR 1910.1048)

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Formaldehyde (50-00-0)		
IDLH	US IDLH (ppm)	20 ppm
NIOSH	NIOSH REL (TWA) (ppm)	0.016 ppm
NIOSH	NIOSH REL (ceiling) (ppm)	0.1 ppm

8.2. Exposure controls

Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection	: Wear chemically resistant protective gloves.
Eye protection	: Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.
Skin and body protection	: Wear suitable protective clothing, including appropriate boots, boot covers, overshoes, etc., as may be appropriate.
Respiratory protection	: Wear respiratory protection. 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.
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	Black Liquid
Color	: Black
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 179.6 °F
Relative evaporation rate (water=1)	: > 1
Flammability (solid, gas)	: Flammable
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Solubility	: Insoluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal storage conditions.

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10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Heat. Incompatible materials. Sources of ignition.

10.5. Incompatible materials

Strong acids. Strong Bases. Oxidizers.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon, formaldehyde gas, phenolics, reactive hydrocarbons and anhydrides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic if inhaled.

Carbon Filled Repair Compound - Part A	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	2.71 mg/l/4h

Carbon black (1333-86-4)	
LD50 oral rat	> 15400 mg/kg
LD50 dermal rabbit	>3000 mg/kg

Phenol (108-95-2)	
LD50 oral rat	317 mg/kg
LD50 dermal rabbit	630 mg/kg

Isopropyl alcohol (67-63-0)	
LD50 oral rat	5045 mg/kg
LD50 dermal rabbit	4059 mg/kg
LC50 inhalation rat	72600 mg/m ³ /4h

Formaldehyde (50-00-0)	
LD50 oral rat	100 mg/kg
LD50 dermal rabbit	270 mg/kg
LC50 inhalation rat	0.578 mg/l/4h

Skin corrosion/irritation : Causes severe skin burns.
Serious eye damage/irritation : Causes serious eye damage.
Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : Suspected of causing genetic defects.
Carcinogenicity : May cause cancer.

Carbon black (1333-86-4)	
IARC group	2B - Possibly carcinogenic to humans

Phenol (108-95-2)	
IARC group	3 - Not classifiable

Isopropyl alcohol (67-63-0)	
IARC group	3 - Not classifiable

Formaldehyde (50-00-0)	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens
In OSHA Specifically Regulated Carcinogen list	Yes

Reproductive toxicity : Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure) : Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure) : May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard : Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation : Toxic if inhaled. Causes severe damage to the respiratory tract.
Symptoms/injuries after skin contact : Causes severe skin burns. Symptoms may include redness, pain, blisters. May cause an allergic skin reaction.

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- Symptoms/injuries after eye contact : Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
- Symptoms/injuries after ingestion : May be harmful if swallowed. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. May cause stomach distress, nausea or vomiting.

SECTION 12: Ecological information

12.1. Toxicity

- Ecology - general : May cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

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| Persistence and degradability | Not established. |
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12.3. Bioaccumulative potential

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- | | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

- Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.
- Additional information : Handle empty containers with care because residual vapors are flammable.

SECTION 14: Transport information

Department of Transportation (DOT) / Transportation of Dangerous Goods (TDG)

In accordance with DOT and TDG

- UN-No. (DOT and TDG) : UN1760
- Proper Shipping Name (DOT and TDG) : Corrosive liquids, n.o.s. (phenol, formaldehyde)
- Transport hazard class(es) (DOT and TDG) : 8
- Hazard labels (DOT and TDG) :



- Packing group (DOT and TDG) : II

Additional information

- Other information : No supplementary information available.
- Special transport precautions : Do not handle until all safety precautions have been read and understood.

SECTION 15: Regulatory information

15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Phenol (108-95-2)

Listed on the United States SARA Section 302
Subject to reporting requirements of United States SARA Section 313

- | | |
|--|--|
| EPA TSCA Regulatory Flag | T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA. |
| SARA Section 302 Threshold Planning Quantity (TPQ) | ≤ 10000 |
| SARA Section 313 - Emission Reporting | 1.0 % |

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Isopropyl alcohol (67-63-0)	
Subject to reporting requirements of United States SARA Section 313	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 313 - Emission Reporting	1.0 % (only if manufactured by the strong acid process, no supplier notification)
Formaldehyde (50-00-0)	
Listed on the United States SARA Section 302	
Subject to reporting requirements of United States SARA Section 313	
SARA Section 302 Threshold Planning Quantity (TPQ)	500
SARA Section 313 - Emission Reporting	0.1 %
Carbon black (1333-86-4)	
Listed on the Canadian DSL (Domestic Substances List)	
Phenol (108-95-2)	
Listed on the Canadian DSL (Domestic Substances List)	
Isopropyl alcohol (67-63-0)	
Listed on the Canadian DSL (Domestic Substances List)	
Formaldehyde (50-00-0)	
Listed on the Canadian DSL (Domestic Substances List)	

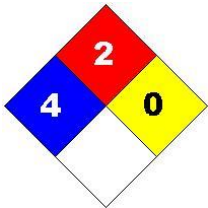
15.2. US State regulations

Carbon Filled Repair Compound - Part A	
State or local regulations	This product contains chemicals known to the State of California to cause cancer.

SECTION 16: Other information

Date of issue : 08/07/2015
Revision date : 08/07/2015
Other information : None.

Mexico Classification:



Blue = Health Red = Flammability Yellow = Reactivity White = Special
Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

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