



SAFETY DATA SHEET

Section 1 – Identification

Product Identifier: Colorgard Black

Part Number: CGBK

Recommended Use: Exhaust and High Temperature Coating

Restrictions on Use:

Manufacturer / Supplier:

Keep out of reach of children.

Tech Line Coatings, Inc

Not recommended for use on Medical equipment.

PO Box 668, 10840 Chapman, Seymour, TN 37865

Not recommended for use on Aviation equipment.

USA

Phone /Fax 1-865-773-0599

www.techlinecoatings.com

Emergency Phone: N.America +1-800-535-5053

Intl. +1-352-323-3500

Section 2 – Hazards Identification

Signal Word:

Warning

Symbols:



<p>Hazard Statements:</p> <p>Flammable liquid and vapor</p> <p>Harmful if inhaled</p> <p>Causes skin Irritation</p> <p>Causes Serious Eye Irritation</p> <p>Suspected of causing genetic defects</p> <p>Suspected of damaging fertility or the unborn child</p> <p>May cause respiratory irritation. May cause drowsiness or dizziness</p>	<table border="1"> <thead> <tr> <th>GHS Classification:</th> <th>Category</th> </tr> </thead> <tbody> <tr> <td>Flammable Liquid</td> <td>3</td> </tr> <tr> <td>Acute Toxicity Inhalation</td> <td>4</td> </tr> <tr> <td>Skin Irritation</td> <td>2</td> </tr> <tr> <td>Eye Damage / Irritation</td> <td>2A</td> </tr> <tr> <td>Germ Cell Mutagenicity</td> <td>2</td> </tr> <tr> <td>Toxic to Reproduction</td> <td>2</td> </tr> <tr> <td>Specific Target Organ Toxicity Single Exposure</td> <td>3</td> </tr> </tbody> </table>	GHS Classification:	Category	Flammable Liquid	3	Acute Toxicity Inhalation	4	Skin Irritation	2	Eye Damage / Irritation	2A	Germ Cell Mutagenicity	2	Toxic to Reproduction	2	Specific Target Organ Toxicity Single Exposure	3
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<p>Precautionary Statements:</p> <p>Keep away from heat / sparks / open flames / hot surfaces. - No Smoking. Ground / bond container and receiving equipment. Use explosion proof electrical / ventilating / lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.</p> <p>In case of fire use alcohol-resistant foam, dry chemical or carbon dioxide</p> <p>Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.</p> <p>Wear protective gloves (chemical proof). Wear eye protection and face protection. Wash hands, face and any exposed skin thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not eat drink or smoke when using this product. Avoid breathing fumes / mist / vapors / spray. Use only outdoors or in a well ventilated area.</p> <p>If swallowed: Call a poison center / doctor if you feel unwell. Do NOT induce vomiting.</p> <p>If on skin: wash with plenty of water. If skin irritation occurs get medical advice / attention. Take off contaminated clothing and wash it before reuse.</p> <p>If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center / doctor if you feel unwell.</p>																	

If in eyes: Rinse cautiously in water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If irritation persists: Get medical advice / attention.
 If exposed or concerned: Get medical advise / attention.
 Dispose of Contents / container in accordance with regulations in your area. See section 13 for additional information.

Section 3 – Composition / Information On Ingredients

Component Name	Common Name / Synonyms	CAS#	% of Weight
PARACHLOROBENZOTRIFLUORIDE	PCBTF	98-56-6	< 35%
Copper chromite black spinel		68186-91-7	< 18%
n Butyl Acetate	nBA	123-86-4	< 18%
Molybdenum Disulfide		1317-33-5	> 1%

Other ingredients are not hazardous based on OSHA standard Section 29 CFR 1910.1200

Section 4 – First Aid Measures

General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water, and remove contaminated clothing shoes and leather goods. Consult a physician..

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 – Fire Fighting Measures

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.	Special Fire Fighting Procedures: Wear self contained breathing apparatus for fire fighting if necessary.
Unusual Fire And Explosion Hazards: Hazardous decomposition products formed under extreme fire conditions. - Carbon and other oxides. Vapors are heavier than air and may travel to a source of ignition and flash back.	Additional Information: Use water spray to cool unopened containers.

Section 6 – Accidental Release Measures

Methods for Containment and Clean Up

- Soak up with inert absorbent material.
- Keep in suitable, marked and closed containers for disposal.
- Use spark-proof tools and explosion-proof equipment.
- Remove sources of ignition.
- Warn other workers of spill.
- Wear protective equipment
 - NIOSH Approved Respirator
 - Gloves
 - Safety Glasses
- Do not allow material to be released into the environment.

Additional Information:

- See Section 7 for safe handling information.
- See Section 8 for PPE information

- See Section 13 for disposal information

Section 7 – Handling And Storage

Handling:

Do not breathe vapors or mists from spraying. Avoid contact with skin and eyes. Use with adequate ventilation to maintain exposure levels below established exposure limits. Wear personal protective equipment. If required wear an appropriate NIOSH approved respirator with paint prefilter. Use explosion-proof equipment. Do not get in eyes, on skin, or on clothing. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. Take precautionary measures against static discharges.

Storage:

Store in area suitable for flammable liquids. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Protect from oxidizers, inorganic acids, aldehydes, and isocyanates.

Section 8 – Exposure Controls And Personal Protection

Component	ACGIH TLV	OSHA PEL	NIOSH REL
PARACHLOROBENZOTRIFLUORIDE	TLV: Not Established	PEL: Not Established	CEL: 25 ppm 8hr TWA
Copper chromite black spinel	Chromium(III) and compounds 0.5 mg/m ³ Copper Dusts And Mists 1 mg/m ³	Chromium(III) and compounds 0.5 mg/m ³ Copper Dusts And Mists 1 mg/m ³	No data available
n Butyl Acetate	TWA 150 ppm	TWA 150 ppm	TWA 150 ppm
Molybdenum Disulfide	TWA 3 mg/m ³	TWA 15 mg/m ³	No data available

Engineering Controls:

Exhaust ventilation.
Showers
Eyewash stations
Use in a well-ventilated area.

Respiratory Protection:

Use NIOSH approved respirator if TWA/TLV limits are exceeded

Protective Gloves:

CHEMICAL RESISTANT

Eye Protection:

SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES

Other Protective Equipment:

WEAR PROTECTIVE CLOTHING, CHEMICAL RESISTANT OR OTHER PROTECTIVE OUTERWEAR, AVOID CONTACT WITH SKIN OR EYES

Ventilation:

Local Exhaust: Use To Maintain Below TWA Limits

Mechanical:

Use Non-Sparking Equipment

Work / Hygienic Practices:

wash thoroughly after handling product and before eating, drinking or smoking

Section 9 – Physical And Chemical Properties

Form :	liquid
Color :	Black
Odor :	Mixture of Solvents
Odor Threshold:	Not Established
pH :	No data available
Melting point/range :	No data available
Initial boiling point :	> 250° F.
Flash point :	> 134° F.
Evaporation Rate:	No data available on mixture
Upper/lower flammability or explosive limits:	No data available on mixture

Vapor pressure	No data available on mixture
Vapor density	> 1 - (air =1)
Relative density	No data available on mixture
Solubility(ies)	No data available on mixture
Partition coefficient: n-octanol/water	No data available on mixture
Auto-ignition temperature	No data available on mixture
Decomposition temperature	No data available on mixture
Viscosity	No data available on mixture
Total VOC	< 233 g/l

Section 10 – Stability And Reactivity

Stability:	STABLE
Possibility of hazardous reactions:	Hazardous Polymerization: Will not occur.
Conditions to avoid:	Avoid storage of open containers at elevated temperatures. Heat, flames and sparks, direct sunlight.
Incompatible Materials:	Oxidizing material can cause a reaction.
Hazardous Decomposition Products:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silicon dioxide. Carbon oxides. Metal oxides. Formaldehyde.

Section 11 – Toxicological Information

Potential Health Effects

Inhalation	Harmful if inhaled
Ingestion	May be harmful if swallowed.
Skin	Harmful in contact with skin. Causes skin irritation.
Eyes	Causes Serious Eye Irritation

Acute Toxicity

PCBTf	Oral LD50	LD50 Oral - rat - 13,000 mg/kg
	Inhalation LC50	No data available
	Dermal LD50	No data available
Copper chromite black spinel	Oral LD50	LD50 Oral - rat - > 10000 mg/kg
	Inhalation LC50	LC50 Inhalation - rat - 4 h - > 11.1 mg/l,
	Dermal LD50	No data available
n Butyl Acetate	Oral LD50	LD50 Oral - rat - 10,700 - 14,130 mg/kg
	Inhalation LC50	LC50 Inhalation - rat - 4 h - > 21.0 mg/l
	Dermal LD50	LD50 Dermal - rabbit - 17,600 mg/kg
Molybdenum Disulfide	Oral LD50	No data available
	Inhalation LC50	LC50 Inhalation - rat - 4 h - > 2,820 mg/m3
	Dermal LD50	No data available

Skin Corrosion/Irritation

N Butyl Acetate

Skin - rabbit - Skin irritation - 24 h

PCBTF

In skin irritation studies, the compound was found to be slightly to moderately irritating.

Serious Eye Damage/Eye Irritation

N Butyl Acetate

Eyes - rabbit - Moderate eye irritation

PCBTF

In eye irritation studies, the compound was found to be slightly to moderately irritating.

Respiratory Or Skin Sensitization

No data available on mixture

Germ Cell Mutagenicity

PCBTF

Genotoxicity in vitro - Human - Embryo

Unscheduled DNA synthesis

n Butyl Acetate

Developmental Toxicity - rat - Inhalation

Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus). Specific Developmental Abnormalities: Musculoskeletal system.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

This product contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

Reproductive Toxicity

No data available

Specific Target Organ Toxicity Single Exposure

PCBTF

Inhalation - May cause respiratory irritation.

Specific Target Organ Toxicity Repeated Or Prolonged Exposure

No data available

Aspiration Hazard

No data available

Section 12 – Ecological Information

General Comments:

Do not allow material to be released into the environment without proper governmental permits

Environmental Toxicity:

PCBTF

Toxicity to fish No data available

Toxicity to daphnia and other aquatic invertebrates No data available

Copper chromite black spinel

Toxicity to fish, daphnia and other aquatic invertebrates No Data Available

N Butyl Acetate

Toxicity to fish LC50 - Lepomis macrochirus (Bluegill) - 100 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 72.8 - 205.0 mg/l - 24 h

Molybdenum Disulfide

Toxicity to fish No data available

Toxicity to daphnia and other aquatic invertebrates No data available

Section 13 – Disposal Considerations

Waste Disposal Method:

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? Yes

Characteristic Waste:

Ignitable: D001

TCLP: D018

State or local laws may impose additional regulatory requirements regarding disposal.

Contaminated Packaging

Dispose of as unused product.

Section 14 – Transportation Information

Hazardous for Shipping: Yes

Based on 49 CFR, IATA and IMDG:

UN Number: UN1263

UN Proper Shipping Name: Paint

Hazard Class: 3

Packing Group: III

Labels: Flammable Liquid

Placards: Flammable Liquid

Section 15 – Regulations

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710: All hazardous ingredients are on the TSCA Chemical Substance Inventory.

Component	%	CAS Number	SARA 313	SARA 302	New Jersey RTK List	Pennsylvania RTK List	Massachusetts RTK List	California Prop 65 list
Diphenyl, methyl, phenyl, phenylmethyl silicone resin	> 25%	68037-81-0	No	No	Yes	Yes	No	No

Toluene	< 0.3%	108-88-3	Yes	Yes	Yes	Yes	Yes	Yes
n Butyl Acetate	< 18%	123-86-4	No	No	Yes	Yes	Yes	No
Copper chromite black spinel * (100% CHROMIUM COMPOUND. 100% COPPER COMPOUND)	< 18%	68186-91-7	Yes	No	No	No	No	No
PARACHLOROBENZOTRIFLUORIDE	< 35%	98-56-6	No	No	Yes	Yes	No	No
Molybdenum Disulfide	> 1%	1317-33-5	No	No	Yes	Yes	Yes	No

* Please note: This product is the result of high temperature calcination of the component substances. Due to its unique crystalline structure the properties of this finished material do not necessarily reflect the properties of the component metals or oxides.

SARA 311 / 312 Hazards: Flammable Hazard ,Acute Health Hazard, Chronic Health Hazard

Section 16 – Other Information

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