

# TECH LINE Coatings

## 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:**

Tech Line Coatings, Inc

26844 ADAMS AVE.

MURRIETA, CA 92562

USA

Phone /Fax 1-865-773-0599

www.techlinecoatings.com

Keep out of reach of children.

Not recommended for use on Medical equipment.

Not recommended for use on Aviation equipment.

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

**Intl. +1-352-323-3500**

### Section 2 – Hazards Identification

**Signal Word:**

Warning

**Symbols:**



#### Hazard Statements:

Flammable liquid and vapor

Harmful if inhaled

Causes skin Irritation

Causes Serious Eye Irritation

Suspected of causing genetic defects

Suspected of damaging fertility or the unborn child

May cause respiratory irritation. May cause drowsiness or dizziness

#### 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

3

Toxicity Single Exposure

#### Precautionary Statements:

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.

In case of fire use alcohol-resistant foam, dry chemical or carbon dioxide

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

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.

If swallowed: Call a poison center / doctor if you feel unwell. Do NOT induce vomiting.

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.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center / doctor if you feel unwell.

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**

<b>Extinguishing Media:</b> Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.	<b>Special Fire Fighting Procedures:</b> Wear self contained breathing apparatus for fire fighting if necessary.
<b>Unusual Fire And Explosion Hazards:</b> 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.	<b>Additional Information:</b> 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 <sup>3</sup> Copper Dusts And Mists 1 mg/m <sup>3</sup>	Chromium(III) and compounds 0.5 mg/m <sup>3</sup> Copper Dusts And Mists 1 mg/m <sup>3</sup>	No data available
n Butyl Acetate	TWA 150 ppm	TWA 150 ppm	TWA 150 ppm
Molybdenum Disulfide	TWA 3 mg/m <sup>3</sup>	TWA 15 mg/m <sup>3</sup>	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

<b>Stability:</b>	STABLE
<b>Possibility of hazardous reactions:</b>	Hazardous Polymerization: Will not occur.
<b>Conditions to avoid:</b>	Avoid storage of open containers at elevated temperatures. Heat, flames and sparks, direct sunlight.
<b>Incompatible Materials:</b>	Oxidizing material can cause a reaction.
<b>Hazardous Decomposition Products:</b>	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

<b>Inhalation</b>	Harmful if inhaled
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin</b>	Harmful in contact with skin. Causes skin irritation.
<b>Eyes</b>	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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