



MATERIAL SAFETY DATA SHEET

Section 1

Product Identification

Product Name: Colorgard Black

Date Prepared: 2/16/2007 Update 6/27/2007

Part Number: CGBK

Formula:

Manufacturer / Supplier:

Techline Coatings, Inc
26844 ADAMS AVE.
MURRIETA, CA 92562
USA
Phone 909-304-0498
Fax 909-461-9658
www.techlinecoatings.com

Chemical Family:

Emergency Phone: (Chemtrec) 1-800-424-9300

Section 2

Composition / Data On Components

Component	CAS#	% of Weight	OSHA PEL	ACGIH TLV	Sara 313
n-Butyl Acetate	123-86-4	< 18%	150 PPM	150 PPM	
PARACHLOROBENZOTRIFLUORIDE	98-56-6	> 20%	Not Established	Not Established	
CRYSTALLINE SILICA	14808-60-7	>1	.1 mg/m3	.1 mg/m3	
METHANOL	67-56-1	<1	500 PPM	50 PPM	
MOLYBDENUM DISULFIDE	1317-33-5	<10	10 mg/m3	10 mg/m3	

Components not listed above are non-hazardous.

Section 3

Hazards Identification

Appearance and Odor:

Dark Colored Liquid / Solvent Smell

Hazard Description:

Flammable Liquid

Potential Health Effects:

PARACHLOROBENZOTRIFLUORIDE:

Target Organs: Central Nervous System, Kidneys, and Liver

Irritancy:

Eyes, Respiratory Tract, and Skin

Inhalation:

May produce symptoms of Central Nervous System depression including Headache, Dizziness, Nausea, Loss of Balance and Drowsiness

METHANOL (CAS# 67-56-1) IS A SKIN, EYE AND INHALATION IRRITANT. IT IS TOXIC ORALLY AND POSSESSES NARCOTIC PROPERTIES. TOXIC EFFECTS MANIFESTED IN THE CENTRAL NERVOUS SYSTEM AND PARTICULARLY IN THE OPTIC NERVE. METHANOL IS A CUMULATIVE POISON. SEVERE EXPOSURE TO METHANOL CAN CAUSE DIZZINESS, UNCONSCIOUSNESS, SIGNING RESPIRATION, CARDIAC DEPRESSION AND EVENTUAL DEATH. LESS SEVERE EXPOSURE TO METHANOL CAN CAUSE BLURRING OF VISION, PHOTOPHOBIA, CONJUNCTIVITIS, EYE LESIONS, HEADACHE, GASTROINTESTINAL DISTURBANCES, DIZZINESS AND A FEELING OF INTOXICATION. DEATH FROM INGESTION OF LESS THAN 30ml HAS BEEN REPORTED. USUAL FATAL DOSE IS 100-250 ml.

CARCINOGENICITY: NTP-NO IARC-NO OSHA-NO

MOLYBDENUM COMPOUNDS MAY BE SLIGHTLY IRRITATING.

CARCINOGENICITY: NPT-NO IARC-NO OSHA-NO

Section 4

First Aid Measures

After EYE Contact:

- Immediately irrigate with plenty of water for 15 minutes. Obtain medical attention if irritation persists.

After SKIN Contact:

- Remove contaminated clothing without delay. Flush skin thoroughly with water. Do not reuse clothing without laundering.

After INHALATION:

- Administer oxygen if there is difficulty in breathing. Obtain medical attention immediately if necessary.

After SWALLOWING:

- Call a physician immediately, ONLY induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.

Section 5

Fire Fighting Measures

Flash Point: 134° F. Method: TCC	Flammable Limits LEL-: Not Established	Flammable Limits UEL-: Not Established	Stability: See Section 10
Extinguishing Media: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL		Special Fire Fighting Procedures: USE FULL PROTECTIVE EQUIPMENT, INCLUDING SELF CONTAINED BREATHING APPARATUS	
Unusual Fire And Explosion Hazards: DURING EMERGENCY CONDITIONS, OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION			

Section 6

Accidental Release Measures

Steps to be taken in case material is released or spilled.

- 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 without proper governmental permits

Measures for cleaning / collecting:

-

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. If required wear an appropriate NIOSH approved respirator with paint prefilter.

Vapor is harmful. May cause eye irritation, burning sensation on skin. If inhaled, may cause headache, dizziness or nausea. Contains petroleum distillate, harmful or fatal if swallowed.

Storage:

STORE IN A COOL DRY PLACE, SUITABLE FOR OSHA CLASS 1 FLAMMABLE LIQUIDS

SECTION 8

EXPOSURE CONTROLS AND PERSONAL PROTECTION

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

Appearance and Odor: COLORED LIQUID / SOLVENT SMELL
Boiling Point: 172° – 355° F.
Vapor Density (Air = 1): <1
Vapor Pressure: Not Established
Melting Point: Not Applicable
Solubility in Water: POOR
Reactivity in Water: None
VOC's: As Blended 1.6 Lbs./Gal

SECTION 10

STABILITY AND REACTIVITY

Stability: STABLE

Incompatibility (Materials to Avoid): CONTACT WITH STRONG OXIDIZING AGENTS, ACIDS OR BASES

Hazardous Decomposition Products: Carbon Monoxide and Unidentified Organics may be formed, Chlorine and Fluorine containing gases can be produced

Hazardous Polymerization: WILL NOT OCCUR

Conditions to Avoid: Avoid contact with Oxidizing Agents, Sparks or Flame

SECTION 11

TOXICOLOGICAL INFORMATION

Effects on Eyes: Severe Irritation, Redness, Tearing and Blurred Vision. Contact Lenses Pose A Special Hazard; Soft Lenses May Absorb, All Lenses Concentrate Irritants

Effects on Skin: Prolonged Or Repeated Contact Can Cause Moderate Irritation, Defatting And Dermatitis

Effects from Inhalation: Excessive Inhalation Of Vapors Can Cause Nasal And Respiratory Irritation, Dizziness, Headache, Possible Unconsciousness, Death

Effects from Swallowing: Can Cause Gastrointestinal Damage, Irritation, Nausea, Vomiting, And Diarrhea. Aspiration Of The Material Into The Lungs Can Cause Chemical Pneumonitis Which Can Be Fatal

SECTION 12

ECOLOGICAL INFORMATION

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

SECTION 13

DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Disposal should be made in accordance with federal, state and local regulations. Recovered non-usable material is a RCRA hazardous waste. Treatment, storage, transportation and disposal must be in accordance with EPA and State regulation under the authority of the Resource Conservation and Recovery Act (RCRA) 40 CFR parts 260-271
A competent and properly permitted contractor should do appropriate disposal.

SECTION 14

TRANSPORTATION INFORMATION

Hazardous for Shipping: Yes (ORM-D for quarts and smaller ground)

DOT Shipping Name: Paint
DOT Hazard Class: Class 3
DOT Labels: Flammable Liquid
UN Number: UN1263
Placards: Flammable Liquid
Packing Group: Packing Group III
Air (IATA): Paint, Class 3, Flammable Liquid UN1263, Packing Group III
Sea (IMDG): Paint, Class 3, Flammable Liquid UN1263, Packing Group III

SECTION 15

REGULATIONS

Information about Limitation or Use:

Other Regulations, Limitations, and Prohibitive Regulations:

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

Product Related Hazard Information:

Hazard Symbols: Flammable Liquid

Risk Phrases: Flammable Liquid

Safety Phrases: Flammable Liquid

National Regulations:

Canada:

WHMIS Hazard Class: B3

Other Regulations, Limitations, and Prohibitive Regulations:

OSHA Status.....: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200

TSCA Status.....: Components on TSCA Inventory or are not required to be listed on the TSCA Inventory

CERCLA Reportable Quantity.....: None.

SARA Title III:

Section 302 Extremely Hazardous Substances.: None.

Section 311 / 312 Hazard Categories.....: Chronic Health Hazard; Acute Health Hazard

Section 313 Toxic Chemicals.....: Manganese Ferrite Spinel; 1-Methyl-2-pyrrolidone (NMP)

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Component Name	CAS Number	Concentration	State Code
Manganese Ferrite Spinel	68186-94-7	>30%	PA1, NJ1
Barium	7440-39-3	< 0.41% *	NJ1, NJ2
Arsenic	7440-38-2	< 0.0205% *	CA, MA
Cadmium	7440-43-9	< 0.0004% *	CA, MA
Chromium	7440-47-3	< 0.041% *	PA1
Mercury	7439-97-6	< 0.0002% *	CA
Lead	7439-92-1	< 0.004% *	CA
1-Methyl-2-pyrrolidone (NMP)	872-50-4	>10%	CA
Dimethyl.diphenyl. methyl. phenyl silicone resin	28630-33-3	< 40%	NJ1, PA1
n-Butyl Acetate	123-86-4	< 20%	PA2, MA1

CA = Warning! This Chemical is known to the State of California to cause cancer and/or birth defects and/or other reproductive harm.

MA = Massachusetts Hazardous Substance List

MA1 = Massachusetts RTK List

NJ1 = New Jersey Hazardous Substance List

NJ2 = New Jersey RTK Special Hazardous Substance List

NJ4 = New Jersey Other – included in 5 predominant ingredients > 1%

PA1 = Pennsylvania Hazardous Substance List

PA2 = Pennsylvania RTK List

* Please note that these were random sample analyses and content may vary from batch to batch.

SECTION 16

OTHER INFORMATION

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