



767 Chapman Lake Drive - Warsaw, IN 46852

## MATERIAL SAFETY DATA SHEET

### Section 1 Product Identification

Product Code: CCLDCB and CLLCB-Series Products      Date Prepared: Jan 8, 2007  
 Description: Black Polyethylene Concentrate  
 Alternate Emergency Phone Number: 574-527-9957

### Section 2 Composition, Information on Hazardous Ingredients

Chemical Common Name	CAS Number	OSHA PEL	ACGIH TLV	OTHER	Percent mm Hg @ Temp	NTP	IARC	OSHA	PROP 65	TSCA	313
Carbon Black	1333-86-4	3.5MG/M3*	3.5MG/M3*			N	Y	N	Y	Y	N

\* Indicates dust or mist

### Section 3 Hazards Identification

#### Inhalation Signs and Symptoms of Exposure

May cause temporary discomfort to upper respiratory tract due to mechanical irritation when exposures are above the occupational exposure limit.

#### Skin and Eye Contact Signs and Symptoms of Exposure

May cause irritation to skin-may cause redness or swelling to eyes in certain individuals.

#### Skin Absorption Signs and Symptoms of Exposure

None likely to occur

#### Ingestion Signs and Symptoms of Exposure

None known

#### Carcinogenicity

Carbon black has been evaluated by IARC as possibly carcinogenic to humans. (Group 2B) NIOSH Recommends that only carbon black with PAH>0.1% be suspected carcinogens. The ACGIH classifies carbon black as A4, not classifiable as a human carcinogen. Modern production and quality control procedures are able to maintain adsorbed PAH levels to less than 0.1% in carbon black. Carbon Black (airborn, unbound particles of respirable size) is a California Proposition 65 listed substance.

#### Health Hazards (Both Acute and Chronic)

Product may cause skin irritation. Carbon Black can cause nose, throat, and lung irritation. Can cause chest pain, difficult breathing, headache, and possibly lung damage. Precautions against breathing dust should be followed when handling and working with material containing carbon black.

### Section 4 First Aid Measures

#### First Aid for Skin

Molten Resins: Cool under running stream of water. Do not attempt to remove from skin. Get medical attention.

#### First Aid for Eyes

This product is a solid. If in eye, remove as one would any foreign object.

#### First Aid for Inhalation and Ingestion

In case of adverse exposure to vapors and/or aerosols formed at elevated temperatures, immediately remove victim from exposure. Administer artificial respiration if breathing stopped. Get medical attention. Ingestion not anticipated.

**Section 5 Fire Fighting Measures**

Foam	Alcohol Foam	CO2	Dry Chemical	Water Fog	Other	Flash Point	Flash Method
YES	YES	YES	YES	YES	NO		

Special Firefighting Procedure

Standard procedures for class A fires

Unusual Fire and Explosion Hazards

Product as shipped is not a flammable dust. However, it can be a flammable dust when fines less than 200 mesh are suspended in air.

**Section 6 Accidental Release Measures**Accidental Release Measures

Sweep up spilled material for use or disposal

**Section 7 Handling and Storage**Handling and Storage

Keep away from sparks and open flame. This product may react with strong oxidizing agents and should not be stored near such materials. Store in a sprinklered warehouse.

Ventilation (Local Exhaust, Mechanical, Special, Other)

Recommended over extruders

Other Precautions

Use local ventilation

**Section 8 Exposure Controls, Personal Protection**Respiratory Protection

Appropriate respirator selected and used in accordance with OSHA Subpart 1 (29 CFR 1910.134) required when exposure to airborne contaminant is likely to exceed limits for nuisance dusts.

Ventilation

Recommended over extruders

Protective Gloves

Recommended

Eye Protection

Safety glasses with side shields recommended

Other Protective Clothing or Equipment

Use local ventilation

Work/Hygienic Practices

Use good industrial hygiene practices

**Section 9 Physical and Chemical Properties**

Boiling Range	Vapor Density	Evaporation Rate	Soluble	Tech Shipping Name
N/A	Lighter than Air	Slower than Ether	Negligible	

**Section 10 Stability and Reactivity**Stability

Stable

Hazardous Polymerization

Will not occur

Incompatibility (Materials to Avoid):

Strong oxidizing agents

Hazardous Decomposition or by products

None known

**Section 11 Toxicological Information**

Ingestion

Please refer to section three for any available information on potential health effects. None expected from the pellet form.

Skin

Please refer to section three for any available information on potential health effects.

Eye

Please refer to section three for any available information on potential health effects.

Inhalation

Negligible hazard at ambient temperature (0-100 Deg. F). Vapors and aerosols may be formed at elevated temperatures.

**Section 12 Ecological Information**

Ecological Information

Plastic pellets are defined by US EPA under the Clean Water Act (40CFR 122.26) as a "SIGNIFICANT MATERIAL" which may require a storm water permit.

**Section 13 Disposal Considerations**

Waste Disposal

See 40 CFR 261. Dispose in accordance with local, state, and federal regulations. State or local hazardous waste regulations may apply if different from the federal.

**Section 14 Transportation Information**

Technical Shipping Name  
UN NA Number  
Freight Class Bulk  
Freight Class Package  
Dot Label  
Dot Placard  
Dot Shipping Name  
Dot Hazard

**Section 15 Technical Information**

Chemical Common Name	CAS Number	OSHA PEL	ACGIH TLV	OTHER	%	mm Hg @ Temp	NTP	IARC	OSHA	PROP 65	TSCA	313
Carbon Black	1333-86-4	3.5MG/M3*	3.5MG/M3*			N	Y	N	Y	Y	N	

**Section 16 Other Information**

Other Information

The information contained herein is believed to be correct and was obtained from sources believed by Rainmaker Polymers to be accurate. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained here.