

**MATERIAL SAFETY DATA SHEET**

Product name: MATTE BLACK  
 Product code: UFB551S2055  
 Product date: MAY 28 2004

Print date: 10/22/04

Page 1

**Section 1 - Product and Company Identification**

Product Name: MATTE BLACK

Company Identification: DuPont Powder Coatings  
 9800 Genard Rd  
 Houston, TX 77041-7624

Telephone/Fax: 713.939.4000 / 713.939.4025  
 Chemtrec International (24hr): 703.527.3887 Collect  
 Chemtrec USA (24hr): 800.424.9300  
 ProSAR: 800.441.3637

Product Class: COATING POWDER  
 Product Number: UFB551S2

**Section 2 - Ingredient Information**

Ingredient Name	CAS Number	Percent
BARIUM SULFATE	007727-43-7	15 - 40
CARBON BLACK	001333-86-4	1 - 5
NOISANCE DUST	N/A	As generated

**Section 3 - Hazards Identification**

These acute and chronic health effect statements address exposure to the pure chemicals only. In a coating powder these components are mixed within the coating and direct exposure to them is not likely.

**ACUTE HEALTH EFFECTS:**

(CARBON BLACK)

May be irritating to the eye & cause conjunctivitis. Prolonged or repeated skin contact may cause irritation.

(BARIUM SULFATE)

Inhalation of dusts containing barium sulfate may be irritating to the respiratory tract. Contact with the eyes may also cause irritation.

In 1994, US EPA deleted barium sulfate from the category "barium compounds" on the list of toxic chemicals for which reporting is required. The final rule is in 40 CFR Part 372.

**CHRONIC HEALTH EFFECTS:**

(CARBON BLACK)

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Page 3

**Section 8 - Exposure Controls / Personal Protection**

**Occupational Exposure Limits**

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
<b>BARIUM SULFATE</b>	10.00 mg/M3	N/A	N/A	N/A	5.00 mg/M3
<b>CARBON BLACK</b>	3.50 mg/M3	N/A	N/A	N/A	3.50 mg/M3
<b>NUISANCE DUST</b>	10.00 mg/M3	N/A	N/A	N/A	N/A

**ENGINEERING CONTROLS**

Provide sufficient ventilation in volume and pattern to keep air contamination concentration below applicable OSHA permissible exposure levels or ACGIH's TLV TWA limit.

**RESPIRATORS**

Use properly fitted NIOSH/MSHA approved gas & vapor respirators, or conventional respirators, or negative pressure respirators or particulate respirators, or FFR (filtering facepiece respirator) to avoid breathing dust.

**OTHER CLOTHING**

**PROTECTIVE GLOVES:** Recommended to avoid skin contact.

**EYE PROTECTION:** Goggles or safety glasses w/side shields recommended.

**OTHER PROTECTIVE EQUIPMENT:** Protective overalls recommended. Remove and wash soiled clothing.

**Section 9 - Physical and Chemical Properties**

Spec. Grav., ASTM D5965-96,C:1.52

**Section 10 - Stability and Reactivity**

**Stability:** This product is stable  
**Hazardous Polymerization:** Hazardous polymerization will not occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Fumes may contain CO, CO2, NO2 or other Nitrogen compounds.

**Section 11 - Toxicological Information**

Route	Species	Exposure and Dose
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**Section 12 - Ecological Information**

None known

**Section 13 - Disposal Considerations**

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Page 2

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 In 1978, NIOSH concluded that "carbon black may cause adverse pulmonar & heart changes" & "may pose a cancer risk" due to absorbed polycyclic hydro-carbons. Recent studies have not shown a significantly increased circulatory malignant or respiratory morbidity among carbon black workers in the U.S.

(BARIUM SULFATE)

Prolonged exposure could cause benign pneumoconiosis called Baritosis.

**MEDICAL CONDITIONS PRONE TO AGGRAVATION BY OVEREXPOSURE:**

**PRIMARY ROUTES OF ENTRY:**

Inhalation, Dermal, or Ingestion

**Section 4 - First Aid Measures****EYE CONTACT**

Flush eyes with cool water for 15 minutes, occasionally lifting lids to ensure thorough rinsing. Seek medical assistance.

**SKIN CONTACT**

Wash thoroughly with soap and water.

**INHALATION**

Remove from area to fresh air.

**INGESTION**

Drink 1 or 2 glasses of water and induce vomiting by placing finger at back of throat. Seek medical assistance.

**Section 5 - Fire Fighting Measures**

MEC  $\geq$  26g/m<sup>3</sup> (see sec. 16)

**EXTINGUISHING MEDIA**

FOAM  CO<sub>2</sub>  DRY CHEMICAL  WATER FOG  DRY SAND

**FIRE FIGHTING INSTRUCTIONS**

Use fully protective equipment with self-contained breathing apparatus. The material has a flammability rating similar to a water-borne coating.

**Section 6 - Accidental Release Measures****CLEAN-UP**

Sweep up carefully or use explosion-proof vacuum cleaner, then dispose in accordance with local, state and federal regulations.

**Section 7 - Handling and Storage****HANDLING**

Keep all equipment clean and properly grounded to avoid static electricity discharge. Keep work areas free of dust. Avoid excessive skin contact. Do not ingest or inhale. Keep out of the reach of children.

**STORAGE**

Keep containers sealed and avoid static electricity discharges.

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Page 4

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Manage or dispose in accordance with local, state and federal regulations.

**Section 14 - Transport Information**

Not Regulated

**Section 15 - Regulatory Information**

All ingredients in this product are listed in the T.S.C.A. Inventory.

Weight loss is less than one percent when using US EPA Federal Reference Method 24 (ASTM D2369). This weight loss is mostly water (ASTM D4107) with a trace amount of organic material. This trace amount should be considered Volatile Organic Compound (VOC) Content.

**Section 16 - Other Information**

HMIS Rating: Health=1\* Fire=1 Reactivity=0 PPE=E

NFPA 704 Rating: Health=1 Fire=1 Reactivity=0

Rating Definitions:

Health 1-Slight hazard, irritation possible

Health \*-Long term health effects may result from repeated overexposure

Fire 1-Slight hazard, needs considerable preheat before combustion will occur

Reactivity 0-Minimal hazard, materials are normally stable

PPE E-ANSI, Z87 approved safety glasses, gloves, negative pressure or particulate respirators

Other Definitions:

MEC (sec. 5) = Minimum Explosive Concentration

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