

MATERIAL SAFETY DATA SHEET

Product name: GREEN FAST PIPE POWDER

Product code: 72508060

Product date: JUL 09 2001

Print date: 12/17/02

Page 1

Section 1 - Product and Company Identification

Product Name: GREEN FAST PIPE POWDER

Company Identification: DuPont Powder Coatings
9800 Genard Rd
Houston, TX 77041-7624Telephone/Fax: 713.939.4000 / 713.939.4025
Chemtrec International(24hr):703.527.3887 Collect
Chemtrec USA(24hr): 800.424.9300Product Class: COATING POWDER
Product Number: 72508-----
Section 2 - Ingredient Information

Ingredient Name	CAS Number	Percent
TITANIUM DIOXIDE	013463-67-7	1 - 5
NUISANCE DUST	N/A	100

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:

(TITANIUM DIOXIDE)

INGESTION: Low oral toxicity. No toxic effects due to ingestion are described in literature. INHALATION: Irritating to upper respiratory tract. EYE CONTACT: Irritating.

CHRONIC HEALTH EFFECTS:

(TITANIUM DIOXIDE)

Laboratory studies show that inhalation exposure to high levels (250 mg/kg) of Titanium Dioxide causes cancerous tumors in rats. This response occurs at lower exposure levels and may be due to the high levels overwhelming normal lung clearance mechanisms. The relevance of this data to humans is not significant where the TLV is observed.

PRIMARY ROUTES OF ENTRY:

Inhalation, Dermal, or Ingestion

Product name: GREEN FAST PIPE POWDER

Product code: 72508060

Product date: JUL 09 2001

Print date: 12/17/02

Page 2

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 >= 26g/m3 (see sec. 16)

EXTINGUISHING MEDIA

FOAM CO2 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.

Section 8 - Exposure Controls / Personal Protection

Occupational Exposure Limits

ACGIH TLV

ACGIH TLV-C

ACGIH STEL

OSHA STEL

OSHA PEL

MATERIAL SAFETY DATA SHEET

Product name: GREEN FAST PIPE POWDER

Product code: 72508060

Product date: JUL 09 2001

Print date: 12/17/02

Page 3

TITANIUM DIOXIDE

10.00 mg/M3	N/A	N/A	N/A	10.00 mg/M3
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NUISANCE DUST

10.00 mg/M3	N/A	N/A	N/A	N/A
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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:1.43

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
TITANIUM DIOXIDE		
Oral	Rat, adult	LD50 9500. PPM

Section 12 - Ecological Information

None known

Section 13 - Disposal Considerations

Product name: GREEN FAST PIPE POWDER

Product code: 72508060

Product date: JUL 09 2001

Print date: 12/17/02

Page 4

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