

MATERIAL SAFETY DATA SHEET

Product name: REFLECTIVE WHITE

Product code: PFW656S8055

Product date: NOV 18 2009

Print date: 12/29/09

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Section 1 - Product and Company Identification

Product Name: REFLECTIVE WHITE

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
Medical Emergency 800.441.3637

Product Class: Coating Powder
Product Number: PFW656S8

Section 2 - Ingredient Information

Ingredient Name	CAS Number	Percent
TITANIUM DIOXIDE	013463-67-7	15 - 40
1,3,5-Triglycidyl Isocyanurate	002451-62-9	1 - 5
SILICA, AMORPHOUS FUMED	007631-86-9	0.5 - 1.5
ALUMINUM HYDROXIDE	021645-51-2	0.5 - 1.5
NUISANCE DUST	N/A	As generated

Section 3 - Hazards Identification

Potential Health Hazards (powder mixture).

May cause skin and eye irritation. May cause irritation of the upper respiratory tract (nose, mouth and/or throat), resulting in sneezing coughing and sore throat. Long-term respiratory exposure exceeding exposure limits may damage the lungs, leading to impairment of lung capacity.

The acute and chronic health effect statements below are for the pure chemicals only, unless noted.

ACUTE HEALTH EFFECTS:

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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

If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

Section 5 - Fire Fighting Measures

MEC \geq 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. Dust generated from this product during handling may create a fire and/or explosion hazard. Minimize dusting during use. Keep all equipment clean and properly grounded to avoid static electricity discharge.

Section 6 - Accidental Release Measures

CLEAN-UP

Clean up spills using an explosion-proof vacuum cleaner, then dispose in accordance with local, state and federal regulations. Avoid sweeping and dust cloud formation.

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.

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Section 11 - Toxicological Information

Route	Species	Exposure and Dose
TITANIUM DIOXIDE Oral	Rat, adult	LD50 9500. mg/kg
1,3,5-Triglycidyl Isocyanurate Oral	Rat, adult	LD50 440. mg/kg
SILICA, AMORPHOUS FUMED Oral	Rat, adult	LD50 3160. PPM

Section 12 - Ecological Information

None known

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

Not Regulated

Section 15 - Regulatory Information

-PROP 65 (TERATOGEN)

WARNING: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

Ingredient Name	CAS Number	Percent
1,3,5-Triglycidyl Isocyanurate	002451-62-9	< 5

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

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR (Canada)

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.

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The acute and chronic health effect statements below are for the pure chemicals only, unless noted.

ACUTE HEALTH EFFECTS:

(1,3,5-Triglycidyl Isocyanurate)

INGESTION: Moderately toxic. Symptoms are not fully known, may include loss of appetite and nose bleeding. INHALATION: Irritating to upper respiratory tract. May cause nosebleeds. EYE CONTACT: Irritating. SKIN CONTACT: Irritating. Can be absorbed through the skin in harmful amounts. Effects similar to ingestion.

A COMMERCIAL POLYESTER POWDER MIXTURE CONTAINING 5% TGIC WAS TESTED IN RATS (SAFEPHARM (UK) 1998) FOR ACUTE ORAL TOXICITY WITH THE FOLLOWING RESULTS:

LD50:>5000 mg/Kg (m/f)

(SILICA, AMORPHOUS FUMED)

Irritating to eyes, nose and upper respiratory tract.

(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.

(ALUMINUM HYDROXIDE)

Dust exposure causes eye irritation; basic eye burns are possible depending upon the duration of contact. This material is reported to exhibit a low order of toxicity via inhalation & ingestion. Prolonged skin contact may result in minor mechanical irritation.

CHRONIC HEALTH EFFECTS:

(1,3,5-Triglycidyl Isocyanurate)

Irritation of eyes, skin and respiratory tract; loss of appetite, may cause nosebleeds; toxic by ingestion and if absorbed through the skin. Prolonged or repeated contact may cause skin sensitization. TGIC has shown mutagenic activity in laboratory cells culture test and

laboratory animals. Based on those studies, TGIC has been classified as "Possible Human Germ Cell Mutagen", and capable of causing permanent

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Section 7 - Handling and Storage

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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
TITANIUM DIOXIDE					
10.00 mg/M3	N/A	N/A	N/A	10.00 mg/M3	
1,3,5-Triglycidyl Isocyanurate					
0.05 mg/M3	N/A	N/A	N/A	N/A	
SILICA, AMORPHOUS FUMED					
10.00 mg/M3	N/A	N/A	N/A	6.00 mg/M3	
ALUMINUM HYDROXIDE					
N/A	N/A	N/A	N/A	N/A	
NUISANCE DUST					
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.
