

HERBERTS O'BRIEN INC -- HAZE GRAY, PFH-508-S5 -- 8010-01-375-6510

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Product Identification
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Product ID:HAZE GRAY, PFH-508-S5

MSDS Date:01/05/1998

FSC:8010

NIIN:01-375-6510

Status Code:A

MSDS Number: CLFHN

=== Responsible Party ===

Company Name:HERBERTS O'BRIEN INC

Address:9800 GENARD RD

City:HOUSTON

State:TX

ZIP:77041-7624

Country:US

Info Phone Num:713-939-4000

Emergency Phone Num:(800)4

24-9300

Preparer's Name:HENRY SIMMONS

Chemtrek Ind/Phone:(800)424-9300

CAGE:070V3

=== Contractor Identification ===

Company Name:DUPONT POWDER COATINGS

Address:9800 GENARD RD

Box:City:HOUSTON

State:TX

ZIP:77041-7624

Country:US

Phone:713-939-4000

CAGE:070V3

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Composition/Information on Ingredients
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Ingred Name:BARIUM SULFATE

CAS:7727-43-7

RTECS #:CR0600000

Minumum % Wt:10.

Maxumum % Wt:30.

OSHA PEL:15 MG/M3

ACGIH TLV:10 MG/M3

Ingred Name:TITANIUM DIOXIDE

CAS:13463-67

RTECS #:XR2275000

Minumum % Wt:5.

Maxumum % Wt:10.

OSHA PEL:15 MG/M3

ACGIH TLV:10 MG/M3

Ingred Name:1,3,5-TRIGLYCIDYL ISOCYANURATE

CAS:2451-62-9

RTECS #:XZ1994900

Minumum % Wt:1.

Maxumum % Wt:5.

Ingred Name:NUISANCE DUST

= Wt:100.

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:(1, 3, 5-TRIGLYCIDYL ISOCYANURATE)

INGESTION: MODERATE 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. (BARIUM SULFATE) INHALATION OF DUSTS CONTAINING BARIUM SULFATE MAY BE IRRITATING TO THE RESPIRATORY TRACT. CONTACT WITH THE EYES MAY ALSO CAUSE IRRITATION. (TITANIUM DIOXIDE) INGESTION: LOW ORAL TOXICITY. NO TOXIC EF

FECTS DUE TO INGESTION ARE DESCRIBED IN LITERATURE.

IRRITATING TO UPPER RES

Medical Cond Aggravated by Exposure:RESPIRATORY ILLNESS & DERMATITIS

MAY BE AGGRAVATED BY EXCESSIVE EXPOSURE.

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===== First Aid Measures =====

First Aid:EYE CONTACT: FLUSH 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 TO 2 GLASSES OF WATER AND INDUCE VOMITING BY PLACING FINGER AT BACK OF THROAT. SEEK MEDICAL ASSISTANCE.

===== Fire Fighting Measures =====

Extinguishing Media:FOAM, CO2, DRY CHEMICAL, WATER FOG, DRY SAND
Fire Fighting Procedures:USE FULLY PROTECTIVE EQUIPMENT WITH SELF-CONTAINING BREATHING APPARATUS.

===== Accidental Release Measures =====

Spill Release Procedures:SWEEP UP CAREFULLY OR USE EXPLOSION-PROOF VACUUM CLEANER, THEN DISPOSE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

===== Handling and Storage =====

Handling and Storage Precautions: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 REACH OF CHILDREN . STORAGE: KEEP CONTAINERS SEALED AND AVOID STATIC ELECTRICITY DISCHARGES.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:PROVIDE SUFFICIENT VENTILATION IN VOLUME AND PATTERN TO KEEP AIR CONTAMINATION CONCENTRATION BELOW APPLICABLE OSHA PERMISSIBLE EXPOSURE LEVELS OR ACGIH'S TLV TWA LIMIT.

Ventilation:USE A PROPERLY FITTED NIOSH/MSHA APPROVED MECHANICAL RESPIRATOR OR MASK TO AVOID BREATHING DUST.

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.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:B2

Boiling Pt:=148.9C, 300.F

Melt/Freeze Pt:=-34.4C, -30.F

Vapor Pres:0.29MM HG

Vapor Density:3.4(AIR=1)

Spec Gravity:1.05

VOC Pounds/Gallon:770

pH:12.0

Evaporation Rate & Reference:0.06 (BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR YELLOW LIQUID.

MILD BLAND ODOR.
Percent Volatiles by Volume:90

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:NO
Hazardous Decomposition Products:FUMES MAY CONTAIN CO, CO2, NO2 OR
OTHER NITROGEN COMPOUNDS.

===== Toxicological Information =====

Toxicological Information:BARIUM SULFATE TITANIUM DIOXIDE 9500.00 ORAL
RAT 1,3,5-TRIGLYCIDYL ISOCYANURATE 440.00 INHALE

===== Disposal Considerations
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Waste Disposal Methods:MANAGE OR DISPOSE IN ACCORDANCE WITH LOCAL,
STATE AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

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