

HERBERTS O'BRIEN INC -- SKY WHITE, PFW510S9055 -- 8010-01-382-9147

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Product Identification
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Product ID:SKY WHITE, PFW510S9055

MSDS Date:05/21/1999

FSC:8010

NIIN:01-382-9147

Status Code:A

MSDS Number: CJPJKJ

=== 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-

424-9300 (CHEMTREC)

Chemtrec 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

Company Name:O BRIEN CORPORATION

Address:450 E GRAND AVE

Box:City:SOUTH SAN FRANCISCO

State:CA

ZIP:94080-6207

Country:US

CAGE:72556

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Composition/Information on Ingredients
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Ingred Name:TITANIUM DIOXIDE. LD50:(ORAL,RAT) 9500 MG/KG.

CAS:13463-67-7
RTECS #:XR2275000
Minumum % Wt:15.
Maxumum % Wt:40.
OSHA PEL:10 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:1,3,5-TRIGLYCIDYL ISOCYANURATE. LD50:(ORAL,RAT) 440 MG/KG.
CAS:2451-62-9
RTECS #:XZ1994900
Minumum % Wt:1.
Maxumum % Wt:5.
ACGIH TLV:0.05 MG/M3

Ingred Name:SILICON HYDROXIDE
CAS:1343-98-2
RTECS #:VV8853000
Minumum % Wt:1.
Maxumum % Wt:5.

Ingred Name:ALUMINUM HYDROXIDE
CAS:21645-51-2
RTECS #:BD0940000
Minumum % Wt:1.
Maxumum % Wt:5.

Ingred Name:NUISANCE DUST
= Wt:100.
ACGIH TLV:
10 MG/M3

Ingred Name:BARIUM SULFATE
CAS:7727-43-7
RTECS #:CR0600000
Minumum % Wt:5.
Maxumum % Wt:10.
Other REC Limits:OSHA PEL:5 MG/M3 (M)
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

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

LD50 LC50 Mixture:SEE INGREDIENTS.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: 1,3,5-TRIGLYCIDYL ISOCYANURATE:
INGEST: MODERATELY TOX. SYMPS A

RE NOT FULLY KNOWN, MAY INCL LOSS OF APPETITE & NOSE BLEEDING. INHAL: IRRIT TO UPPER RESP TRACT. MAY CAUSE NOSEBLEEDS. EYE CONT: I RRRIT. SKIN CONT: IRRIT. CAN BE ABSORBEDTHRU SKIN IN HARMFUL AMTS. EFTS SIMILAR TO INGEST. BARIUM SULFATE: INHAL OF DUSTS CONTAINING BARIUM SULFATE MAY BE IRRIT TO RESP TRACT. CONT W/EYES MAY ALSO CAUS E IRRIT. IN 1994, U.S EPA DELETED BARIUM SULFATE FROM CATEGORY "BARIUM CMPDS" ON LIST OF TOX CHEMS FOR WHICH REPORTING IS REQD. FINAL RULE I

S IN 40 CFR PART

372. TITANIUM DIOXIDE: INGEST: LOW ORAL TOX . NO TOX EFTS DUE TO (EFTS OF OVEREXP)

Effects of Overexposure:HLTH HAZ: INGEST ARE DESCRIBED IN LITERATURE.

INHAL: IRRIT TO UPPER RESP TRACT. EYE CONT: IRRIT. ALUMINUM HYDROXIDE: DUST EXPOS CAUSES EYE IRRIT; BASIC EYE BURNS ARE POSS DEPENDING UPON DURATION OF CO NT. THIS MATL IS REPORTED TO EXHIBIT A LOW ORDER OF TOX VIA INHAL & INGEST. PRLNG SKIN CONT MAY RSLT IN MINOR MECH IRRIT. CHRONIC: 1,3,5-TRIGLYCIDY

L ISOCYANURATE: IRRIT OF

EYES, SKIN & RESP TRACT; LOS S OF APPETITE, MAY CAUSE NOSEBLEEDS; TOX BY INGEST & IF ABSORBED THRU SKIN. PRLNG/RPTD CONT MAY CAUSE SKIN SENSIT. ANIMAL STUDIES SHOW THAT OVEREXP CAN RSLT IN TOX EFTS TO TESTES, POSS EFTS ON LIVER & LUNGS, & POSS ADVERSE MALE (SUPP DATA)

Medical Cond Aggravated by Exposure:1,3,5-TRIGLYCIDYL ISOCYANURATE:

RESPIRATORY ILLNESS AND DERMATITIS MAY BE AGGRAVATED BY EXCESSIVE EXPOSURE.

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First A
id Measures =====

First Aid:EYES: FLUSH WITH COOL WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING LIDS TO ENSURE THOROUGH RINSING. SEEK MEDICAL ASSISTANCE. SKIN: WASH THOROUGHLY WITH SOAP AND WATER. INHALATION: REMOVE FROM A REA TO FRESH AIR. INGESTION: DRINK 1 OR2 GLASSES OF WATER AND INDUCE VOMITING BY PLACING FINGER AT BACK OF THROAT. SEEK MEDICAL ASSISTANCE.

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Fire Fighting Measures =====

Lower Limits:>/= 26

G/M3

Extinguishing Media:FOAM, CO*2, DRY CHEMICAL, WATER FOG, DRY SAND.

Fire Fighting Procedures:WEAR NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:HMIS & NFPA 704 RATINGS: HEALTH - 1; FIRE - 1; REACTIVITY - 0.

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

Spill Release Procedures:SWEEP UP CAREFULLY OR USE EXPLOSION-PROOF VACUUM CLEANER, THEN DISPOSE I/A/W 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.

Other Precautions:AVOID EXCESSIVE SKIN CONTACT. DO NOT INGEST OR INHALE. KEEP OUT OF THE REACH OF CHILDREN. KEEP CONTAINERS SEALED AND AVOID STATIC ELECTRICITY DISCHARGES.

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

Respiratory Protection:USE A PROPERLY FITTED NIOSH APPROVED MECHANICAL

RESPIRATOR OR MASK TO AVOID BREATHING DUST. CAREFULLY FOLLOW RESPIRATOR MANUFACTURER'S INSTRUCTIONS FOR USE.

Ventilation:PROVIDE SUFFICIENT VENTILATION IN VOLUME & PATTERN TO KEEP AIR CONTAMINATION CONCENTRATION BELOW APPLICABLE OSHA PEL'S OR ACGIH'S TWA LIMIT.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPROVED CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:ANSI APPROVED EYE WASH & DELUGE SHOWER . PROTECTIVE OVERALLS RECOMMENDED.

Work

Hygienic Practices:REMOVE AND WASH SOILED CLOTHING.

Supplemental Safety and Health

EFFECTS OF OVEREXPOSURE: SHOW THAT OVEREXPOSURE CAN RESULT IN TOXIC EFFECTS TO TESTES, POSSIBLE EFFECTS ON LIVER & LUNGS, & POSSIBLE ADVERSE MALE REPRODUCTIVE EFFECTS. BARIUM SULFATE: Prolonged exposure could cause benign pneumoconiosis called baritosis. TITANIUM DIOXIDE: LAB STUDIES SHOW THAT INHALATION EXPOSURE TO HIGH LEVELS (250 MG/KG) OF TITANIUM DIOXIDE (OTHER INFO)

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

Specific Gravity

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

Stability Indicator/Materials to Avoid: YES

Hazardous Decomposition Products: FUMES MAY CONTAIN CO, CO*2, NO*2, OR OTHER NITROGEN COMPOUNDS.

Conditions to Avoid Polymerization: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

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

Toxicological Information: LETHAL DOSE (PPM): TITANIUM DIOXIDE:

LC50: (DERMAL/INHAL, RAT) NOT APPLICABLE.

BARIUM SULFATE, SILICON

HYDROXIDE & ALUMINUM HYDROXIDE: LD50: (ORAL) & LC50 (DERMAL/INHAL): NOT APPLICABLE. 1,3,5-TRIGLYCIDY L ISOCYANURATE:

LC50: (DERMAL/INHAL, RAT) NOT APPLICABLE.

===== Ecological Information =====

Ecological: NONE KNOWN.

===== Disposal Considerations =====

Waste Disposal Methods: MANAGE OR DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

===== Regulatory Information =====

Federal Regulatory Information: ALL INGREDIENTS ARE ON THE TSCA LIST.

===== Other Information =====

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