

HERBERTS-O'BRIEN CORP -- SKY WHITE, PFW510S90 -- 8010-01-382-9147

===== Product Identification =====

Product ID:SKY WHITE, PFW510S90

MSDS Date:08/22/1996

FSC:8010

NIIN:01-382-9147

MSDS Number: CDPYT

=== Responsible Party ===

Company Name:HERBERTS-O'BRIEN CORP

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 (CHEMTRE
C)

CAGE:JO492

=== Contractor Identification ===

Company Name:HERBERTS-O'BRIEN INC

Address:9800 GENARD RD

Box:City:HOUSTON

State:TX

ZIP:77041-7624

Country:US

Phone:713-939-4000; -4025 FAX

CAGE:JO492

Company Name:O BRIEN CORPORATION

Address:450 E GRAND AVE

Box:City:SOUTH SAN FRANCISCO

State:CA

ZIP:94080-6207

Country:US

CAGE:72556

===== Composition/Information on Ingredients =====

Ingred Name:TITANIUM OXIDE; (TITANIUM DIOXIDE) LD50 (ORAL RAT): 9500
MG/KG

CAS:13463-67-7

RTECS

#:XR2275000
Fraction by Wt: 15-40%
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST

Ingred Name:S-TRIAZINE-2,4,6(1H,3H,5H)-TRIONE,1,3,5-TRIS(2,3-EPOXYPROPYL)-; 1,3,5-TRIGLYCIDYL ISOCYANURATE LD50(ORAL RAT):440 MG/KG
CAS:2451-62-9
RTECS #:XZ1994900
Fraction by Wt: 1-5%

Ingred Name:SILICIC ACID (POLYORTHOSILICIC ACID); (SILICON HYDROXIDE)
CAS:1343-98-2
RTECS #:VV8853000
Fraction by Wt: 1-5%
OSHA PEL:6 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:ALUMINUM HYDROXIDE
CAS:21645-51-2
RTECS #:BD0940000
Fraction by Wt: 1-5%

Ingred Name:DUST, NUISANCE; (NUISANCE DUST)
Fraction by Wt: 100%

Ingred Name:VOLATILE ORGANIC COMPOUND: 0 (US EPA VOC)
RTECS #:9999999VO

Ingred Name:SUP DAT: ING 1: LAB STUDIES SHOW THAT INHAL EXPOS TO HIGH LEVELS (250 MG/KG) OF TITANIUM DIOXIDE CAUSES CANCEROUS(ING 8)

Ingred Name:ING 7: TUMORS IN RATS. THIS RESPONSE OCCURS AT LOWER EXPOS LEVELS & MAY BE DUE TO HIGH LEVELS OVERWHELMING NORM (ING 9)

Ingred Name:ING 8: LUNG CLEARANCE MECHANISMS. THE RELEVANCE OF THIS DATA TO HUMANS IS NOT SIGNIFICANT WHERE THE TLV IS OBSERVED.

===== 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: ING 2: INGEST: MOD TOX. SYMPS ARE NOT FULLY KNOWN, MAY INCL LOSS OF APPETITE & NOSE BLEEDING.
INHAL: IRRIT TO UPPER RESP TRACT. MAY CAUSE NOSEBLEEDS. EYE: IRRIT.
SKIN: IR

RIT. CAN BE ABSORBED TH RU SKIN IN HARMFUL AMTS. EFTS
SIMILAR TO INGEST. ING 1: INGEST: LOW ORAL TOX. NO TOX EFTS DUE TO
(EFFECTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

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

INHAL: IRRIT TO UPPER RESP TRACT. EYE: IRRIT. ING 4: DUST EXPOS
CAUSES EYE IRRIT; BASIC EYE BURNS ARE POSS DEPENDING UPON DURATION
OF CONT. THIS MATL IS R EPORTED TO EXHIBIT LOW ORDER TO TOX
VIAINHAL & INGEST. PRLNG SKI
N CONT MAY RSLT IN MINOR MECH IRRIT.
(SUP DAT)

Medical Cond Aggravated by Exposure:1,3,5-TRIGLYCIDYL ISOCYANURATE:
RESPIRATORY ILLNESS AND DERMATITIS MAY BE AGGRAVATED BY EXCESSIVE
EXPOSURE.

===== First Aid 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 PLACINF FINGER AT BACK OF THROAT. SEEK
MEDICAL ASSISTANCE.

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

Extinguishing Media:FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG, DRY
SAND.

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

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

===== Accidental Release Measures =====
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Spill Release Procedures:SWEEP UP CAREFULLY OR USE EXPLOSION-PROOF
VACUUM CLEANER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== 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 CONTA

INERS 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 CONTAM CONC BELOW APPLIC OSHA PEL OR ACGIH'S TWA LIMIT.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protect

ion:ANSI APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipment:EMERGENCY EYEWASH AND DELUGE SHOWER MEETING ANSI DESIGN CRITERIA . PROTECTIVE OVERALLS RECOMMENDED.

Work Hygienic Practices:REMOVE AND WASH SOILED CLOTHING.

Supplemental Safety and Health

EFTS OF OVEREXP: CHRONIC: ING 2: IRRIT OF EYES, SKIN & RESP TRACT; LOSS 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 REPRO EFTS. (ING 7)

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

Spec Gravity:1.68144

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER

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

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

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

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

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

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