

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 (CHEMTR
EC)
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
RTEC

S #: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 (POLYORTHOSILICATE); (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: I

IRRIT. CAN BE ABSORBED THROUGH SKIN IN HARMFUL AMTS. EFFECTS
SIMILAR TO INGEST. ING 1: INGEST: LOW ORAL TOX. NO TOX EFFECTS DUE TO
(EFFECTS OF OVEREXPOSURE)

Explanation of Carcinogenicity: NOT RELEVANT.

Effects of Overexposure: HEALTH HAZARD: INGEST ARE DESCRIBED IN LITERATURE.

INHALATION: IRRITATION TO UPPER RESPIRATORY TRACT. EYE: IRRITATION. ING 4: DUST EXPOSURE
CAUSES EYE IRRITATION; BASIC EYE BURNS ARE POSSIBLE DEPENDING UPON DURATION
OF CONTACT. THIS MATERIAL IS REPORTED TO EXHIBIT LOW ORDER TOXICITY
VIA INHALATION & INGESTION. Prolonged skin
contact may result in minor mechanical irritation.
(SUPERDATA)

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

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===== 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 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.

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===== 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.

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

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

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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===== 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 CONTAINER

AINERS 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 Protec

tion: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 I

N 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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