

DESOTO INC PACIFIC PLANT IS COURTLANDTS AEROSPACE -- POLYESTER POLYOL CURING  
AGENT 821X404 -- 8010-01-396-6795

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Product Identification  
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Product ID:POLYESTER POLYOL CURING AGENT 821X404

MSDS Date:03/17/1998

FSC:8010

NIIN:01-396-6795

Status Code:A

MSDS Number: CLHXJ

=== Responsible Party ===

Company Name:DESOTO INC PACIFIC PLANT IS COURTLANDTS AEROSPACE

Address:1608 4TH ST

City:BERKELEY

S

tate:CA

ZIP:94710

Country:US

Info Phone Num:800-228-5635 /800-424-9300 CHEMTREC

Emergency Phone Num:(800)424-9300

Preparer's Name:HENRY SIMMONS

Chemtrec Ind/Phone:(800)424-9300

CAGE:85570

=== Contractor Identification ===

Company Name:DESOTO INC PACIFIC PLANT IS COURTLANDTS AEROSPACE

Address:1608 4TH ST

Box:City:BERKELEY

State:CA

ZIP:94710

Country:US

Phone:800-228-5635 /800-424-9300 CHEMTREC

CAGE:85570

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Composition/Information on Ingredients  
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Ingred Name:SILICA FUME

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CAS:112945-52-5

RTECS #:VV7310000

= Wt:5.

OSHA PEL:15 MG/M3

ACGIH TLV:10 MG/M3

Ingred Name:ALUMINOSILICATE

CAS:142844-00-6

&lt; Wt:5.

Ingred Name:ORGANOSILANE ESTER

CAS:2530-83-8

RTECS #:VV4025000

= Wt:5.

Ingred Name:METHYL ETHYL KETONE

CAS:78-93-3

RTECS #:EL6475000

&lt; Wt:5.

OSHA PEL:590 MG/M3;200 PPM

4100000

Ingred Name:POTASSIUM TITANATE  
CAS:59766-31-3

Ingred Name:ORGANOTITANATE  
CAS:68585-78-4

=====  
Hazards Identification  
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Effects of Overexposure:ALUMINOSILICATE OR CERAMIC FIBER CERAMIC FIBER  
IN THE LIST ENTITLED ?CHEMICALS KNOWN  
TO THE STATE OF CALIFORNIA TO CAUSE CANCER. ORGANOSILANE ESTHER. EYES:  
MAY CAUSE  
BURNING, TEARING AND REDDENING. SKIN: MAY CAUSE BURN OR SYSTEMIC  
POISONING. INGESTION:CAUSES ABDOMINAL PAIN, NAUSEA, AND VOMITING

MEK EYES: MAY CAUSE BURNING, TEARING  
AND REDDENING, POSSIBLE TRANSIENT CORNEAL CLOUDING. SKIN: PROLONG  
EXPOSURE MAY  
CAUSE REDNESS, BURNING, DRYING AND CRACKING OF THE SKIN. INHALATION:  
MAY CAUSE  
COUGHING, CHEST PAINS, THROAT IRRITATION. MAY CAUSE HEADACHES AND  
DIZZINESS.

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First Aid Measures  
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First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES. IF SYMPTOMS PERSIST,  
CONSULT A PHYSICIAN. SKIN:WASH WITH SOAP AND WATER. DO NOT USE

SOLVENTS. REMOVE CONTAMINATED CLOTHING AND  
WASH BEFORE REUSE. IF SYMPTOMS P ERSIST, GET MEDICAL ATTENTION.  
INHALATION: REMOVE  
TO FRESH AIR FROM EXPOSURE. GIVE ARTIFICIAL RESPIRATION OR  
CARDIOPULMONARY  
RESUSCITATION (CPR) IF BREATHING IS DIFFICULT, GET MEDICAL ATTENTION.  
ING ESTION: GET  
MEDICAL ATTENTION.

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Fire Fighting Measures  
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Flash Point Method:SCC  
Flash Point:=53.3C, 128.F  
Lower Limits:1.8  
Extinguishing Media:CARBON DIOXIDE, DRY CHE

MICAL OR FOAM.

Fire Fighting Procedures:WATER SPRAY MAY BE INEFFECTIVE. COOL FIRE EXPOSED CONTAINERS WITH WATER. FOG NOZZLES ARE PREFERABLE. WEAR NIOSH/MSHA APPROVED SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

Unusual Fire/Explosion Hazard:VAPORS MAY ACCUMULATE IN INADEQUATELY VENTILATED OR CONFINED AREAS. VAPORS MAY FORM EXPLOSIVE MIXTURES WITH AIR. VAPORS MAY TRAVEL LONG DISTANCE. FLASHBACK OR FLAME TO THE HANDLING

SITE MAY OCCUR. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

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

Spill Release Procedures:PROTECT FROM IGNITION. WEAR AIR-SUPPLIED RESPIRATOR FOR UNVENTILATED SPILL. COVER WITH ABSORBENT MATERIAL AND SCOOP INTO CONTAINER. CLEAN RESIDUE WITH A SUITABLE SOLVENT.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. ISOLATE

FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND FLAME. DO NOT STORE ABOVE 120 DEG F.

Other Precautions:EMPTY DRUMS MAY CONTAIN EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR NEAR DRUM. VAPORS OF THIS PRODUCT ARE HEAVIER THAN AIR AND MAY COLLECT IN LOW OR CONFINED AREAS.

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

Respiratory Protection:WHEN SPRAYING OR APPLYING IN ANY CIRCUMSTANCES LIKELY TO PRODUCE AIRBORNE LEVEL OF HAZARDOUS INGREDIENTS IN EXCESS OF

TLV, USE AN ORGANIC VAPOR CARTRIDGE OR AIR SUPPLIED RESPIRATOR.

Ventilation:GENERAL VENTILATION TO MAINTAIN VAPORS BELOW TLV AND PEL.

Protective Gloves:SOLVENT RESISTANT GLOVES

Eye Protection:GOGGLES OR FULL-FACE SHIELD.

Other Protective Equipment:AVOID SKIN CONTACT BY USE OF OTHER PROTECTIVE CLOTHING. SAFETY SHOWER, EYE BATH AND WASHING FACILITIES SHOULD BE AVAILABLE.

Supplemental Safety and Health

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

Boiling Pt:=79.4C

, 175.F  
B.P. Text:175-595F  
Vapor Density:> AIR  
Spec Gravity:1.23  
VOC Pounds/Gallon:32  
Appearance and Odor:WHITE OR PALE GRAY PASTE  
Percent Volatiles by Volume:5.2

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

Stability Indicator/Materials to Avoid:YES  
NONE RECOGNIZED UNLESS NOTED BELOW.  
Stability Condition to Avoid:NONE RECOGNIZED UNLESS NOTED BELOW.  
Hazardous Decomposition Products:PRODUCTS IF COMBUSTION ARE HAZARDOUS  
INCLUDING CARBON DIOXIDE AND CARBON MONOXIDE ALAO  
OXIDES OF SILICON  
MAY BE EVOLVED.

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

Waste Disposal Methods:WHEN DISPOSING OF THIS MATERIAL, ENSURE THAT IT  
IS PACKAGED, STORED, AND OTHERWISE  
MANAGED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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