

DESOTO INC PACIFIC PLANT IS COURTLANDTS AEROSPACE -- SD AL POLYU EN 12197 OR --  
8010-00-181-8294

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

Product ID:SD AL POLYU EN 12197 OR

MSDS Date:01/15/1990

FSC:8010

NIIN:00-181-8294

Kit Part:Y

MSDS Number: BKZ XK

=== Responsible Party ===

Company Name:DESOTO INC PACIFIC PLANT IS COURTLANDTS AEROSPACE

Address:1608 4TH ST

City:BERKELEY

State:CA

ZIP:94710

Country:US

In

fo Phone Num:818-549-7823

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

CAGE:85570

=== Contractor Identification ===

Company Name:DESOTO INC PACIFIC PLANT IS COURTLANDTS AEROSPACE

Address:1608 4TH ST

Box:City:BERKELEY

State:CA

ZIP:94710

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

CAGE:85570

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

Ingred Name:LEAD CHROMATE MOLYBDATE (VP: 0 MM HG)

CAS:12656-85-8

RTECS #:QA4660000

Fraction by Wt: 25%

Other REC Limit

s:NONE SPECIFIED  
OSHA PEL:.05 AS CR  
ACGIH TLV:.05 AS CE A2

Ingred Name:N-BUTYL ACETATE (SARA III)  
CAS:123-86-4  
RTECS #:AF7350000  
Fraction by Wt: 15%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:150 PPM/200 STEL  
ACGIH TLV:150 PPM/200STEL;9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ETHYLENE GLYCOL (SARA III)  
CAS:107-21-1  
RTECS #:KW2975000  
Fraction by Wt: 5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:C 50 PPM  
ACGIH TLV:C 50 PPM,VAPOR; 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name  
:TRIMETHYLOLPROPANE (VP: 1 MM HG)  
CAS:77-99-6  
Fraction by Wt: 5%  
Other REC Limits:NONE SPECIFIED

Ingred Name:DICARBOXYLIC ACID (VP: 1 MM HG)  
CAS:123-99-9  
RTECS #:CM1980000  
Fraction by Wt: 10%  
Other REC Limits:NONE SPECIFIED

Ingred Name:PHTHALIC ANHYDRIDE (SARA III)  
CAS:85-44-9  
RTECS #:TI3150000  
Fraction by Wt: 10%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:2 PPM  
ACGIH TLV:1 PPM; 9293  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ISOBUTYL KETONE (SARA III)  
CAS:108-10-1  
RTECS #:SA

9275000

Fraction by Wt: 10%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM/75 STEL

ACGIH TLV:50 PPM/75 STEL; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL ACETATE (SARA III)

CAS:141-78-6

RTECS #:AH5425000

Fraction by Wt: 15%

Other REC Limits:NONE SPECIFIED

OSHA PEL:400 PPM

ACGIH TLV:400 PPM; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:CYCLOHEXANONE (SARA III)

CAS:108-94-1

RTECS #:GW1050000

Fraction by Wt: < 5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:S, 50

PPM

ACGIH TLV:S, 25 PPM; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:VOC: 545 GRAMS/LITER

RTECS #:9999999VO

Other REC Limits:NONE SPECIFIED

==== Hazards Identification =====

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

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:INHALE:NASAL/RESPIRATORY

IRRITATION,ACUTE CENTRAL NERVOUS SYSTEM

DEPRESSION-HEADACHE,DIZZINESS,STAGGERING GAIT,CONFUS

ION OR

UNCONSCIOUSNESS.ASPHYXIATION. SKIN: PROLONG/REPEAT CONTACT CAUSES IRRITATION , DEFATTING OR DERMATITIS. EYE: IRRITATION. INGEST: MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING & DIARRHEA.\*

Explanation of Carcinogenicity:THE HEXAVALENT CHROMIUM COMPOUND IS LISTED AS A CARCINOGEN BY THE IARC & NTP.

Effects of Overexposure:\*REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. POSS

IBLE LIVER DAMAGE. POSSIBLE LEAD

POISONING(METALLIC TASTE, FAT IGUE, SLEEP AND GASTROINT DISTURBANCES,ANEMIA & BRAIN, NERVE SYSTEM, KIDNEY & REPRODUCTIVE EFFECTS).

Medical Cond Aggravated by Exposure:SKIN, LUNG, EYE CONDITIONS. BIRTH DEFECTS HAVE BEEN OBSERVED IN TESTS ON LAB ANIMALS EXPOSED TO ETHYLENE GLYCOL BY MOUTH.

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

First Aid:INHALATION: REMOVE PERSON TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF RE

QUIRED. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

KEEP WARM & QUIET. GET MEDICAL ATTN. SKIN: WASH AREAS WITH SOAP & WATER. DO NOT USE SOLVENTS. REMOVE CONTAMINATED CLOTHING & WASH BEFORE REUSE. GET MEDICAL ATTN. EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTN. PREFER AN OPHTHALMOLOGIST. INGESTION: GET MEDICAL ATTENTION.

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

Flash Point:31.0F,-0.6C

Lower Limits:NE

Extinguishing Media:EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR FOAM).

Fire Fighting Procedures:WATER SPRAY MAY BE INEFFECTIVE, USE TO COOL EXPOSED CNTNRS (FOG NOZZLE PREFERRED). USE NIOSH/MSHA APPR'D SELF-CONTAINED BREATHING APPARATUS & PROTECT CLOTHES.

Unusual Fire/Explosion Hazard:VAPORS MAY ACCUMULATE IN CONFINED AREAS, FORM EXPLOSIVE MIX W/AIR, TRAVEL LONG DISTANCES. FLASHBACK/FLAME TO HANDLING SITE MAY OCCUR. CLOSED CNTNRS MAY EXPLODE.

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

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Spill Release Procedures: REMOVE IGNITE SOURCES. WEAR PERSONAL PROTECTIVE EQUIP. AVOID BREATHING VAPORS & SKIN OR EYE CONTACT. USE NON-SPARK TOOLS. USE EMERGENCY RESPONSE PRO IF MANAGING RELEASE IS BEYOND CAPABILITY OF IN-HOUSE PERSONS. SM: DIKE & ABSORB W/INERT MATERIAL.\*\*

Neutralizing Agent:\*\*DEPEND ON QUANT & CIRCUM UNAUTHORIZED SPILLS REPORTED TO NAT'L RESPONSE CNTR.

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

Handling and Storage Precautions: KEEP CONTAINER TIGHTLY CLOSED. ISOLATE

FROM HEAT, ELEC EQUIPMENT, SPARKS. DO NOT STORE ABOVE 120F. STORE FLAMM LIQ IN ACCORD W/NFPA CODES/GOVERNMENT REGS.

Other Precautions: USE GROUND/BOND PROCEDURES WHEN TRANSFERRING. AVOID FREE FALL OF LIQ. DO NOT SMOKE WHERE MATERIAL IS USED OR STORED. DO NOT APPLY TO HOT SURFACES. EMPTIES MAY CONTAIN EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE, WELD ON DRUM. DO NOT TAKE INTERNALLY.

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

Respiratory Protection:

TLV'S EXCEEDED/SPRAY MIST PRESENT: USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION APPROPRIATE FOR INDICATED COMPONENTS. CONFINED AREAS: NIOSH APPR'D AIR SUPPLIED RESPIRATORS. FOLLOW OSHA REGULATIONS ( 29CFR1910.134) FOR RESPIRATOR USE.

Ventilation: GENERAL DILUTION/LOCAL EXHAUST VENTILATION IN VOLUME/PATTERN TO KEEP LEVEL OF HAZARD INGREDIENT BELOW TLV/PEL LIMITS.

Protective Gloves: WEAR CHEMICALLY RESISTANT GLOVES

Eye Protection: SAFETY GLASSES W/SIDESHIELDS OR GOGGLES

Other Protective Equipment: AVOID SKIN CONTACT BY USE OF OTHER PROTECTIVE CLOTHING. A SAFETY SHOWER, EYE BATH & WASHING FACILITIES.

Work Hygienic Practices: WASH CONTAMINATED CLOTHING BEFORE REUSE. AVOID SKIN CONTACT & BREATHING VAPORS OR MIST.

Supplemental Safety and Health

DO NOT CONCENTRATE & INHALE VAPORS. PREVENT PROLONG CONTACT W/CONTAMINATED CLOTHES. VAPORS OF THIS PRODUCT ARE HEAVIER THAN AIR & MAY COLLECT IN LOW OR CONFINED AREAS. DO NOT ENTER SUCH AREA

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W/OUT FOLLOWING APPROPRIATE PROCEDURES INCLUDING AIR MONITORING,  
USE OF SUPPLIED AIR IF NECESSARY & AN OBSERVER FOR ASSISTANCE.

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

HCC:F2

Boiling Pt:B.P. Text:171 TO 552F

Vapor Density:> AIR

Evaporation Rate & Reference:SLOWER THAN N-BU AC

Appearance and Odor:LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:61.1

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

Stability Indicator/Materials to

Avoid:YES

Hazardous Decomposition Products:PRODUCTS OF COMBUSTION ARE HAZARDOUS  
INCLUDING CARBON MONOXIDE AND CARBON DIOXIDE.

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

Waste Disposal Methods:ENSURE MATERIAL IS PACKAGED, STORED, TRANSPORTED  
& OTHERWISE MANAGED IN ACCORD W/LOCAL,STATE & FED REGS. NO DISPOSAL  
METHOD IS TO BE USED THAT WOULD POSE ENVIR OR HUMAN HEALTH THREAT  
INCLUDING ANY WHICH WOULD CONTAMINATE GROUND/SURFACE WATER.

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