

DESOTO INC PACIFIC PLANT IS COURTLANDTS AEROSPACE -- SD AL POLY ACTIVATOR, 910X376  
-- 8010-00-181-8302

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

Product ID:SD AL POLY ACTIVATOR, 910X376

MSDS Date:02/09/1991

FSC:8010

NIIN:00-181-8302

Kit Part:Y

MSDS Number: BKZYN

=== Responsible Party ===

Company Name:DESOTO INC PACIFIC PLANT IS COURTLANDTS AEROSPACE

Address:1608 4TH ST

City:BERKELEY

State:CA

ZIP:94710

Co

Country:US

Info 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

Country:US

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

CAGE:85570

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

Ingred Name:METHYL N-AMYL KETONE

CAS:110-43-0

RTECS #:MJ5075000

Fraction by Wt: 30%

Other REC Limits:NONE S

PECIFIED  
OSHA PEL:100 PPM  
ACGIH TLV:50 PPM; 9192

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:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)  
CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 25%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:200 PPM/300 STEL  
ACGIH TLV:200 PPM/300STEL 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LB  
S

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/150 STEL  
ACGIH TLV:100 PPM/150STEL;9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL BENZENE (SARA III)  
CAS:100-41-4  
RTECS #:DA0700000  
Fraction by Wt: < 5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/125 STEL  
ACGIH TLV:100 PPM/125STEL 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENE (SARA III)  
CAS:108-88

-3

RTECS #:XS5250000

Fraction by Wt: < 5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/150 STEL

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:ALIPHATIC POLYISOCYANATE (VP: 0 MM HG)

CAS:28182-81-2

RTECS #:HQ9170000

Fraction by Wt: 30%

Other REC Limits:NONE SPECIFIED

Ingred Name:1,6-DIISOCYANATOHEXANE (HEXAMETHYLENE DIISOCYANATE)

CAS:822-06-0

RTECS #:MO1740000

Other REC Limits:NONE SPECIFIED

ACGIH TLV:0.005 PPM; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred N

ame:VOC: 624 GRAMS/LITER

RTECS #:9999999VO

Other REC Limits:NONE SPECIFIED

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

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

Health Hazards Acute and Chronic:INHALE: NASAL/RESPIR IRRIT, ACUTE

CNTRL NERVE SYS DEPRESSION (HEADACHE, DIZZINESS, STAGGER GAIT,  
CONFUSION,UNCONSCIOUS). ASPHYXIATION. ALLERGIC SENSITIZE (MUCOUS  
MEMB IRRIT, TIGHT CHEST, RESP TRACT IR RIT).

SKIN:DEFATTING/DERMATITIS.SENSITIZE. EYE:

IRRIT. INGEST:MAY CAUSE

GASTROINTEST IRRIT, NAUSEA, VOMITING & DIARRHEA.\*

Effects of Overexposure:\*ASPIRATION OF MATERIAL INTO THE LUNGS CAN

CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. REPORTS HAVE  
ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO  
SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. EFFECTS  
INCLUDE CONCENTRATION DIFFICULTIES, DIMINISHED ACTUAL DEXTERITY AND  
MEMORY LOSS.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN, LUNG & EYE

CONDITIONS. LAB ANIMALS EXPOSED TO XYLENE &/OR TOLUENE SHOWED LIVER, KIDNEY, LUNG, SPLEEN, HEART & ADRENALS DAMAGE. PREGNANT MICE/RATS SHOWED EMBRYO/FETOTOXIC EFFECTS.

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

First Aid:INHALATION: REMOVE PERSON TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF REQUIRED. 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 Method:SCC  
Flash Point:22.0F,-5.6C  
Lower Limits:1.0%  
Extinguishing Media:EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR FOAM).  
Fire Fighting Procedures:WATER SPRAY MAY BE INEFFECTIVE, USE TO COOL EXPOSED CONTAINERS (FOG NOZZLE PREFERRED). USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS & PROTECT CLOTHES.  
Unusual Fire/Explosion Hazard:VAPORS MAY ACCUMULATE IN CONFINED AREAS, FORM EXPLOSIVE MIX WITH AIR, TRAVEL LONG DISTANCES. FLASHBACK/FLAME TO HANDLING SITE MAY OCCUR. CLOSED CONTAINERS MAY EXPLODE.

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

Spill Release Procedures:REMOVE IGNITE SOURCES. WEAR PROTECT EQUIP. AVOID BREATHING VAPORS & SKIN/EYE CONTACT. USE NON-SPARK TOOLS.  
  
EMERGENCY RESPONSE PRO IF MANAGING RELEASE IS BEYOND PERSONNEL CAPABILITY. SM:DIKE & ABSORB WITH INERT MATERIAL. PUT IN OPEN DRUM, ISOLATE, FILL \*\*  
Neutralizing Agent:\*\*W/SOLUTION OF 90-95% WATER, 2% DETERGENT, 3-8% AMMONIA. NEUTRALIZE SPILL AREA.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. KEEP FROM IGNITE SOURCES/MOISTURE. DO NOT STORE @ > 120F (PREFER 64-86F). STORE FLAMM LIQ IN ACCORD WITH

NFPA CODES/GOV'T REG.

Other Precautions:FOLLOW GROUND/BOND PROCEDURES WHEN TRANSFERRING.AVOID FREE FALL OF LIQ.DON'T 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:USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION APPROPRIATE FOR INDICATED COMPONENTS. CONFINED AREAS:NIOSH APPROVED

AIR SUPPLIED RESPIRATORS. OSHA/NIOSH STATE AIR SUPPLIED/SCBA ARE ONLY APPROPRIATE RESPIRATORY PROTECTION OF EXCEEDED ISOCYANATE LEVELS.

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

DEPENDING ON AMOUNT & CIRCUMSTANCES, UNAUTHORIZED RELEASE OF MATERIAL INTO ENVIRONMENT MAY BE REPORTABLE UNDER FEDERAL LAW TO THE NATIONAL RESPONSE CENTER(800-424-8802). STATE & LOCAL GOVERNMENTAL AGENCIES MAY ALSO HAVE REPORTING REQUIREMENTS. DO NOT ENTER CONFINED AREAS W/OUT AIR MONITORING, USE OF SCBA & O2 SUPPLY.

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

HCC:F2

Boiling Pt:B.P. Text:175 TO 382F

Vapor Density:> AIR

Spec Gravity:0.91

Evaporation Rate & Reference:SLOWER THAN N-BUTYL AC

Appearance and Odor:CLEAR LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:75.4

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH WATER, ALCOHOLS AND AMINES.

Stability Condition to Avoid:TEMPERATURES ABOVE MAXI

MUM STORAGE  
TEMPERATURES.

Hazardous Decomposition Products: CARBON MONOXIDE & CARBON DIOXIDE.  
OXIDES OF NITROGEN & TRACES OF HCN & ISOCYANATE MONOMER. TOXIC  
GASES FROM AEROSOLS.

===== 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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