

CHEMICAL SPECIALISTS & DEVELOPMENT INC. -- THINNER,AIRCRAFT COATING --  
8010-00-181-8080

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

Product ID:THINNER,AIRCRAFT COATING  
MSDS Date:07/04/1988  
FSC:8010  
NIIN:00-181-8080  
MSDS Number: BZLFY  
=== Responsible Party ===  
Company Name:CHEMICAL SPECIALISTS & DEVELOPMENT INC.  
Box:687  
City:CONROE  
State:TX  
ZIP:77305  
Country:US  
Info Phone Num:409-756-1065  
Emergency Phone Num:409-756-1065  
CAGE:4N760  
=== Contractor Identification ===  
Comp  
any Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC  
Address:2210 HACKBERRY LN  
Box:687  
City:CONROE  
State:TX  
ZIP:77305  
Country:US  
Phone:409-756-1065  
CAGE:4N760

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

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA 313) (CERCLA)  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 8% MAX  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:100 PPM  
ACGIH TLV:100 PPM/150STEL;9596  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENE (SARA 313) (CE

RCLA)  
CAS:108-88-3  
RTECS #:XS5250000  
Fraction by Wt: 12% MAX  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:200 PPM; Z-2  
ACGIH TLV:S, 50 PPM; 9596  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:HEXYL ACETATE  
CAS:142-92-7  
RTECS #:AI0875000  
Fraction by Wt: 40 - 45%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:N-BUTYL ACETATE (CERCLA)  
CAS:123-86-4  
RTECS #:AF7350000  
Fraction by Wt: 10 - 13%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:150 PPM  
ACGIH TLV:150 PPM/200STEL;9596  
EPA Rpt Qty:5000 LBS  
D  
OT Rpt Qty:5000 LBS

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA 313) (CERCLA)  
CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 30 - 33%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:200 PPM  
ACGIH TLV:200 PPM/300STEL;9596  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
He

alth Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS, LIVER, KIDNEY. ACUTE- MAY CAUSE SEVERE EYE IRRITATION. INHALATION MAY CAUSE CNS DEPRESSION. MAY BE ABSORBED THROUGH SKIN. MAY CAUSE DEFATTING. INGESTION CAN BE HARMFUL. A SPIRATION HAZARD. CHRONIC- MAY CAUSE DERMATITIS, LIVER, KIDNEY INJURY, BRAIN & CNS DAMAGE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:HEADACHE, DIZZINESS, NAUSEA, LOSS OF COORDINATION, SEVERE EYE IRRITATION, REDNESS AND ITCHING OR BURNING

SENSATION OF EYES OR SKIN, ABDOMINAL PAIN, WEAKNESS, CONFUSION, DIARRHEA, BREATHING DIFFICULTY

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED LIVER, KIDNEY, CNS, BRAIN OR RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYG

EN IF NEEDED. EYES:FLUSH WITH WATER FOR 15

MINUTES, HOLDING EYELIDS OPEN. CALL PHYSICIAN. SKIN:WASH WITH SOAP & WATER . ORAL:DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY. PHYSICIAN SHOULD CONSULT POISON CONTROL CENTER AT 212-664-2121 (VOMITING). NEVER GIVE ANYTIHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point Method:TCC

Flash Point:42.0F,5.6C

Lower Limits:4.7%

Extinguishing Media:USE CARBON

DIOXIDE, SAND, FOAM/DRY CHEMICAL. WATER

SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND

NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE OR BE MOVED BY VENTILATION TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINER MAY EXPLODE.

#### ===== Accidental

Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN SPILL. PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND, EARTH OR VERMICULITE. GROUND ALL HANDLING EQUIPMENTS. PREVENT LIQUID FROM ENTERING SEWERS.  
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL PLACE, AWAY FROM SOURCES OF IGNITION & STRONG OXIDIZING AGENTS. KEEP OUT OF REACH OF CHILDREN.  
Other Precautions:EMPTY CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS. DO NOT RE-USE CONTAINER. AVOID BREATHING VAPO RS OR MISTS.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH APPROVED ORGANIC VAPOR RESPIRATOR OR SELF CONTAINED BREATHING APPARATUS, WITH A FULL FACE PIECE, OPERATED IN POSITIVE PRESSURE MODE.  
Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).  
Protective Gloves:COTTON LINED NEOPRENE  
Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES  
Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, INDUSTRIAL-TYPE WORK CLOTHING TO PROTECT SKIN  
Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.  
Supplemental Safety and Health

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

HCC:F2  
NRC/State Lic Num:NOT RELEVANT  
Boiling Pt:=81.7C, 179.F  
Melt/Freeze Pt:>-28.9C, -20.F  
Vapor Pres:35.1  
Vapor Density:3.4  
Spec Gravity:0.850  
Solubility in Water:5%  
Appearance and Odor:CLEAR LIQUID, LITTLE IF ANY COLOR WITH CHARACTERISTIC ODOR  
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid: HIGH HEAT, SPARKS, OPEN FLAMES AND OTHER  
SOURCES OF IGNITION

Hazardous Decomposition Products: MAY FORM CARBON MONOXIDE, CARBON  
DIOXIDE.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE  
FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. INCINERAT  
E IN  
APPROVED FACILITY. DO NOT INCINERATE CLOSED CONTAINER.

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