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PUMA CHEMICAL CO., INC. -- THINNER, AIR CRAFT COATING TYPE III -- 8010-01-165-6760

Product ID:THINNER, AIR CRAFT COATING TYPE III MSDS Date:10/15/1990 FSC:8010 NIIN:01-165-6760 **MSDS Number: BJQYR** === Responsible Party === Company Name: PUMA CHEMICAL CO., INC. Address:1601 109TH STREET City:GRAND PRAIRIE State:TX ZIP:75050 Country:US Info Phone Num:214-988-3447 (9 AM TO 5PM - MON-FRI) Emergency Phone Num:800-424-9300 (CHEMTREC - 24HRS) Preparer's Name: MAURICE PUMA CAGE:OBBA1 === Contractor Identification === Company Name: PUMA CHEMICAL CO., INC. Address:1601 109TH STREET **City:GRAND PRAIRIE** State:TX ZIP:75050 Phone: (214) 988-3447 CAGE:OBBA1 Company Name: PUMA TECHNOLOGIES **City:FORT WORTH** State:TX ZIP:76115 Country:US Phone:817-927-8888 CAGE:0BBA1

Ingred Name: METHYL ETHYL KETONE (2-BUTANON

E) (MEK) (SARA III) CAS:78-93-3 RTECS #:EL6475000 Fraction by Wt: 30% MIN OSHA PEL:200 PPM/300 STEL ACGIH TLV:200 PPM/300STEL 9192 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: 30% MIN OSHA PEL:400 PPM ACGIH TLV:400 PPM; 9192 EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name:PROPYLENE GLYCOL METHYL ETHER ACETATE (SARA 313) CAS:108-65-6 RTECS #:AI8295000 Fraction by Wt: 20% MIN

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3 RTECS #:XS5250000 Fraction by Wt: 12% MAX OSHA PEL:200 PPM/150 STEL ACGIH TLV:50 PPM; 9293 EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III) CAS:1330-20-7 RTECS #:ZE2100000 Fraction by Wt: 8% MAX OSHA PEL:100 PPM/150 STEL ACGIH TLV:100 PPM/150STEL;9192 EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

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

nicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE:SEVERE IRRIT.REMOVE PROMTLY OR WILL INJURE EYE TISSUE,WHICH MAY RESULT IN PERMANENT DAMAGE. SKIN:FREQUENT/PROLONGED CONTACT MAY IRRITATE & CAUSE DERMATITIS. INHALATION:HIGH VAPOR CONCENTRATIONS IR RIT TO EYES & RESPIRATORY TRACT,MAY CAUSE HEADACHE & DIZZINESS,ARE ANESTHETIC & MAY HAVE OTHER CENTRAL NERVOUS EFFECTS.

Effects of Overexposure:INGESTION: LOW ORDER OF TOXICITY. SMALL AMOUNTS OF LIQUID ASPIRAT

ED INTO THE RESPIRATORY SYSTEM DURING INGESTION OR FROM VOMITING. MAY CAUSE BRONCHIOPNEUMONIA OR PULMONARY EDEMA. REPEATED EXCESSIVE EX POSURE MAY CAUSE MINOR LUNG, LIVER AND KIDNEY EFFECTS.

First Aid:EYES: IMMEDIATELY FLUSH W/LARGE AMOUNTS WATER FOR AT LEAST 15 MINUTES. GET PROMPT MEDICAL ATTENTION. SKIN: IMMEDIATELY WASH OFF W/SOAP IN FLOWING WATER. REMOVE CONTAMINATED CLOTHING INCLUDING SHOES. I NHA

LATION: IMMEDIATELY REMOVE VICTIM TOFRESH AIR. ADMINISTER CPR IF BREATHING IS STOPPED. CALL A PHYSICIAN. INGESTION: IF SWALLOWED, DO NOT INDUCE VOMIT. KEEP AT REST. GET PROMPT MEDICAL ATTENTION.

Flash Point:32.0F,0.0C Autoignition Temp:Autoignition Temp Text:>662 F Lower Limits:1.8 @ 77 F Upper Limits:11.5 @ 77 F Extinguishing Media:FOAM, DRY CHEMICAL, CARBON DIOXIDE AND WATER FOG. Fire Fighting Procedures:WEAR SC BA. USE WATER SPRAY TO COOL FIRE/PROTECT PERSONNEL. STOP FUEL TO FIRE. IF LEAK/SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERS VAPORS. CONTROLLED FIRE* Unusual Fire/Explosion Hazard:FLAMM LIQ RELEASES VAPORS FORMING FLAMM MIX AT/ABOVE FLASH PT.EMPTY CNTNR RETAIN PRDCT RESIDUE:DANGEROUS.DRAIN EMPTY CNTNRS COMPLETELY. DISPOSE PROPERLY.

Spill Release Procedures: REMOVE IGNITE SOURCES. PREVENT ADDITIONAL SPILL

IF POSS W/O HAZARD.PREVENT LIQ FROM ENTER SEWERS,WATER COURSES,LOW AREAS.SM SPILL:SOAK UP W/NON-REACTIVE ABSORBENT.COLLECT W/RUBBER SHOVEL INTO CNTNR.LG SPILL:KEEP PUBLIC AWAY/NOTIFY AUTHORITIES & EPA.

Handling and Storage Precautions: ALL EQUIP SHOULD BE GROUNDED PROPERLY. STORE PRODUCT IN COOL, DRY PLACE AWAY FROM ALL POSSIBLE IGNITION SOURCES. STORE/HANDLE LAB SAMPLE IN LAB HOOD.

Other Precautions:KEEP T

IGHTLY CLOSED WHEN NOT IN USE.AVOID SKIN/EYE

CONTACT.KEEP FROM HEAT/OPEN FLAME. USE EXPLOSION-PROOF VENTILATION EQUIPMENT & MECHANICAL DILUTION VENT RECOMMEND WHEN PRODUCT IN CONFINED SPACE,HEAT ED ABOVE AMBIENT TEMPS OR AGITATED.

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

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATORS MAY BE NECESSARY TO PREVENT OVEREXPOSURE BY INHALATION.

Ventilation:LOCAL EXHAUST AND MECHANICAL DILUTION VENTILATION IS REC

OMMENDED WHENEVER THIS PRODUCT IS USED.

Protective Gloves: USE CHEMICAL RESISTANT GLOVES.

Eye Protection: WHERE CONTACT MAY OCCUR, WEAR FACE SHIELD

Other Protective Equipment: HANDLING EQUIPMENT SHOULD BE GROUNDED PROPERLY AND USE EXPLOSION-PROOF EQUIPMENT.

Work Hygienic Practices: ALWAYS WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. NO SMOKING IN WORKING AND NEARBY AREAS.

Supplemental Safety and Health

DO NOT PRESSURIZE, CUT, WELD, BRAZE, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO H

EAT, FLAME, SPARKS, STATIC ELECTRICITY OR OTHER

SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Boiling Pt:B.P. Text:175 TO 282F Melt/Freeze Pt:M.P/F.P Text:1.0 (N-BU ACETATE = 1) Solubility in Water:NEGLIGIBLE @ 68 F Appearance and Odor:CLEAR WATER WHITE SOLVENT MIXTURE, STRONG ALCOHOL SOLVENT ODOR. Percent Volatiles by Volume:100

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, CAUSTICS, AMINES, ALKANOLAMINES, ALDEHYDES, AMMONIA.

Stability Condition to Avoid:KEEP AWAY FROM FLAME, PILOT LIGHT, STATIC ELECTRICITY, SPARKS AND OTHER IGNITION SOURCES. Hazardous Decomposition Products:*CAN BURN OR EXTINGUISH.

Waste Disposal Methods: THIS PRODUCT MIGHT BE BURNED IN AN APPROVED INCINERATOR IN ACCORDANCE WITH ALL LOCAL, STATE, FED REQUIREMENTS.

CONSULT AN EXPERT ON DIPOSAL OF RECOVERED MATERIAL & ENSURE CONFORMITY TO ALL LOCAL, STAT E, FED DISPOSAL REGS. THIS PRODUCT IS IGNITABLE.

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