

PUMA TECHNOLOGIES -- THINNER, AIRCRAFT COATING -- 8010-01-165-6760

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

Product ID:THINNER, AIRCRAFT COATING

MSDS Date:03/10/1993

FSC:8010

NIIN:01-165-6760

MSDS Number: BSFST

=== Responsible Party ===

Company Name:PUMA TECHNOLOGIES

Address:100 WEST FULLER

City:FORT WORTH

State:TX

ZIP:75115

Country:US

Info Phone Num:817-927-8888

Emergency Phone Num:800-342-7862

Preparer's Name:MAURICE PUMA

CAGE:0BBA1

=== Contractor Identification =

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Company Name:PUMA CHEMICAL CO., INC.

Address:1601 109TH STREET

Box:City:GRAND PRAIRIE

State:TX

ZIP:75050

Country:US

Phone:214-988-3447

CAGE:0BBAI

Company Name:PUMA TECHNOLOGIES

City:FORT WORTH

State:TX

ZIP:76115

Country:US

Phone:817-927-8888

CAGE:0BBA1

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

Ingred Name:METHYL ETHYL KETONE (SARA III) (EPA WASTE NUMBER U159)

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 30% MIN

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/STE

L 300 PPM  
ACGIH TLV:200 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL ACETATE (EPA WASTE NUMBER U112)  
CAS:141-78-6  
RTECS #:AH5425000  
Fraction by Wt: 30% MIN  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:400 PPM  
ACGIH TLV:400 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:PROPYLENE GLYCOL METHYL ETHER ACETATE  
CAS:108-65-6  
RTECS #:AI8925000  
Fraction by Wt: 20% MIN  
Other REC Limits:NONE SPECIFIED

Ingred Name:TOLUENE (SARA III) (EPA WASTE NUMBER U220)  
CAS:108-88-3  
RTECS #  
:XS5250000  
Fraction by Wt: 12% MAX  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/STEL 150 PPM  
ACGIH TLV:100 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:XYLENE (SARA III) (EPA HAZARDOUS WASTE NUMBER U239)  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 8% MAX  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/STEL 150 PPM  
ACGIH TLV:100 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YE

S Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:UNKNOWN OSHA:NO  
Health Hazards Acute and Chronic:ACUTE; EYE: SEVERE IRRIT. IF NOT  
REMOVED PROMPTLY WILL INJURE EYE TISSUE, (PERMANENT DAMAGE). INHAL:  
HIGH VAPOR CONCENTRATIONS IRRITATING TO EYES & RESPIRATORY TRACT  
(HEADACHE, DIZZINESS, ANESTHETIC, CENTRAL NERVOUS SYSTEM EFFECTS).  
INGESTION: ASPIRATION INTO RESP SYSTEM MAY CAUSE  
BRONCHIO-PNEUMONIA/PULMONARY EDEMA.  
Effects of Overexposure:CHRONIC; SKIN: FR  
EQUENT OR PROLONGED CONTACT  
MAY IRRITATE AND CAUSE DERMATITIS.

#### TARGET

ORGANS: REPEATED EXCESSIVE EXPOSURE MAY CAUSE MINOR LUNG, LIVER,  
KIDNEY EFFECTS

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

First Aid:EYE: IMMEDIATELY FLUSH EYE WITH LARGE AMOUNTS OF WATER FOR AT  
LEAST 15 MINUTES. GET PROMPT MEDICAL ATTENTION. SKIN: IMMEDIATELY  
WASH OFF WITH SOAP IN FLOWING WATER. REMOVE CONTAMINATED CLOTHING  
INCLUDING SHOE  
S. INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH  
AIR. ADMINISTER ARTIFICIAL RESPIRATION IF BREATHING STOPPED. CALL  
PHYSICIAN. INGESTION: DON'T INDUCE VOMITING. GET PROMPT MEDICAL  
ATTENTION.

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

Flash Point Method:TCC  
Flash Point:32.0F,0.0C  
Autoignition Temp:Autoignition Temp Text:>662F  
Lower Limits:1.8 @ 77F  
Upper Limits:11.5 @ 77F  
Extinguishing Media:FOAM, DRY CHEMICAL, CARBON DIOXIDE, WATER FOG  
Fire Fighting Procedures:  
res:POS PRESSURE SCBA. USE WATER SPRAY TO COOL  
CONTAINERS/SOURCE,PROTECT PERSONNEL/DISPERSE VAPOR. ALLOW FIRE TO BURN  
(CONTROLLED CONDITION)/EXTINGUISH W/ABOVE EXT MEDIA.  
Unusual Fire/Explosion Hazard:FLAMMABLE LIQ CAN FORM FLAMMABLE MIX AT  
TEMPERATURES AT/ABOVE FLASH POINT. EMPTY CONTAINERS RETAIN RESIDUE. DON'T  
PRESSURE, CUT, WELD, BRAZE, DRILL, GRIND, EXPOSE TO IGNITION.

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

Spill Release Procedures:ELIMINATE IGNITION SOURCE. STOP LEAK

IF W/OUT

HAZARD. PREVENT LIQ FROM ENTERING SEWERS, WATER COURSES, LOW AREAS.

SMALL SPILL: SOAK UP W/ NON-REACTIVE ABSORBENT. COLLECT W/ RUBBER

SHOVEL INTO CONTAINER. LRG: KEEP PUBLIC AWAY, NOTIFY AUTHORITIES

& EPA.

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

Handling and Storage Precautions: USE EXPLOSION PROOF VENT EQUIP & MECHANICAL DILUTION VENT WHENEVER PRODUCT USED IN CONFINED SPACE, ABOVE AMBIENT TEMP OR IS AGITATED.

Other Precautions: GROUND EQUIP

MENT WHEN HANDLING PRODUCT. LAB SAMPLE

SHOULD BE STORED & HANDLED IN LAB HOOD. STORE PRODUCT IN COOL, DRY

PLACE & AWAY FROM ALL POSSIBLE IGNITION SOURCES. KEEP CONTAINER

CLOSED. AVOID SKIN & EYE CONTACT. KEEP FROM HEAT/OPEN FLAME

===== 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 RECOMMENDED 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

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

Boiling Pt: B.P

. Text: 175 TO 282F

Melt/Freeze Pt: M.P/F.P Text: 1.0 (BU AC=1)

Solubility in Water: NEGLIGIBLE @ 68F

Appearance and Odor: CLEAR WATER WHITE SOLVENT MIXTURE, STRONG ALCOHOL SOLVENT ODOR

Percent Volatiles by Volume: 100

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

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:NO INFORMATION FOUND

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

Waste Disposal Methods:THIS PRODUCT MIGHT BE BURNED IN AN APPROVED INCINERATOR IN ACCORD WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL & ENSURE CONFORMITY TO ALL LOCAL, STATE, FEDERAL REQUIREMENTS. IGNITABLEWASTE.

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