

PUMA CHEMICAL CO., INC. -- THINNER, AIR CRAFT COATING TYPE II -- 8010-01-200-2637

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

Product ID:THINNER, AIR CRAFT COATING TYPE II

MSDS Date:10/09/1990

FSC:8010

NIIN:01-200-2637

MSDS Number: BJQYW

=== 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 (9AM

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

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

Ingred Name:PROPYLENE GLYCOL MONOMETHYL ETHE

R
CAS:107-98-2
RTECS #:UB7700000
Fraction by Wt: 30% MIN.
OSHA PEL:100 PPM/150 STEL
ACGIH TLV:100 PPM/150STEL;9192

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 50% 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:METHYL ISOBUTYL KETONE (SARA III)
CAS:108-10-1
RTECS #:SA9275000
Fraction by Wt: 20% MAX.
OSHA PEL:100 PPM/75 STEL
ACGIH TLV:50 PPM/75 STEL; 9293
EPA Rpt
Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity: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 I RRRIT TO EYES & RESPIRATORY
TRACT,M
AY CAUSE HEADACHE & DIZZINESS,ARE ANESTHETIC & MAY HAVE
OTHER CENTRAL NERVOUS EFFECTS.
Effects of Overexposure:INGESTION: LOW ORDER OF TOXICITY. SMALL AMOUNTS
OF LIQUID ASPIRATED INTO THE RESPIRATORY SYSTEM DURING INGESTION OR
FROM VOMITING MAY CAUSE BRONCHIOPNEUMONIA OR PULMONARY EDEMA.
REPEATED EXCESSIVE EXP OSURE MAY CAUSE MINOR LUNG, LIVER AND KIDNEY
EFFECTS.

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

First Aid:EYES: IMMEDIATELY FLUSH W/LARGE A

IMMEDIATELY RINSE WITH WATER FOR AT LEAST 15

MINUTES. GET PROMPT MEDICAL ATTENTION. SKIN: IMMEDIATELY WASH OFF WITH SOAP IN FLOWING WATER. REMOVE CONTAMINATED CLOTHING INCLUDING SHOES. INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. ADMINISTER CPR IF BREATHING IS STOPPED. CALL A PHYSICIAN. INGESTION: IF SWALLOWED, DO NOT INDUCE VOMIT. KEEP AT REST. GET PROMPT MEDICAL ATTENTION.

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

Flash Point:34.0F,1.1C

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 SCBA. WATER SPRAY: COOL FIRE/PROTECT PERSONNEL. STOP FUEL TO FIRE. IF LEAK/SPILL HAS NOT IGNITED, WATER SPRAY TO DISPERSE VAPOR.LET CONTROL FIRE BURN/EXTING

Unusual Fire/Explosion Hazard:FLAMM LIQUID RELEASES VAPORS FORMING FLAMM MIX AT/ABOVE FLASH PT. EMPTY CNTNR RETAIN PRDCT RESIDUE: DANGEROUS. DRAIN

EMPTY CNTNRS COMPLETELY. DISPOSE PROPERLY.

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

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 =====

Handling and Storage Preca

utions: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 TIGHTLY 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,HEATED 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 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

DO NOT PRESSURIZE, CUT, WELD, BRAZE, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

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

HCC:F2

Boiling Pt:B.P. Text:175 TO 248F

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 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.

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

=====

Waste Disposal Methods:THIS PRODUCT MIGHT BE BURNED IN AN APPROVED INCINERATOR IN ACCORDANCE WITH ALL LOCAL, STATE, FED REQUIREMENTS. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL & ENSURE CONFORMITY TO ALL LOCAL, STA TE, FED DISPOSAL REGS. THIS PRODUCT IS IGNITABLE.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no man

ner whatsoever,

expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.