

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

Product ID:COATING ALIPH POLYUR A COMP BLK 37030 ID 70

MSDS Date:03/12/1991

FSC:8010

NIIN:00-229-7541

MSDS Number: BKMDT

=== Responsible Party ===

Company Name:PRATT AND LAMBERT INC

Address:16116 E 13TH ST

Box:2153

City:WICHITA

State:KS

ZIP:67201

Country:US

Info Phone Num:316-733-1361

Emergency Phone Num:873-6000 DOT EMER 8002553924

Prepa

Preparer's Name:W. A. ELLISON

CAGE:61196

=== Contractor Identification ===

Company Name:PRATT AND LAMBERT INC

Box:6027

City:CLEVELAND

State:OH

ZIP:44101-1027

Country:US

Phone:216-566-2902

CAGE:61196

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

Ingredient Name:METHYL ISOBUTYL KETONE (SARA III)

CAS:108-10-1

RTECS #:SA9275000

Fraction by Wt: 5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM/75 STEL

ACGIH TLV:50 PPM/75 STEL; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingredient

Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: 10%
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:N-BUTYL ACETATE (SARA III)
CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: 10%
Other REC Limits:NONE SPECIFIED
OSHA PEL:150 PPM/200 STEL
ACGIH TLV:150 PPM/200STEL;9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:SILICA, CRYSTALLINE - CRISTOBALITE
CAS:14464-46-1
RTECS #:VV7325000
Fraction by Wt: 10%
Other REC Limits:NONE

SPECIFIED
OSHA PEL:SEE TABLE Z3
ACGIH TLV:0.05 MG/M3 RDUST9293

Ingred Name:SILICA, AMORPHOUS, DIATOMACEOUS EARTH, CONTAINING LESS THAN
1% CRYSTALLINE SILICA
CAS:61790-53-2
RTECS #:HL8600000
Fraction by Wt: 5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:20 MPPCF
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:SILICA, CRYSTALLINE - QUARTZ
CAS:14808-60-7
RTECS #:VV7330000
Fraction by Wt: < 1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:SEE TABLE Z3
ACGIH TLV:0.1 MG/M3 RDUST;9293

Ingred Name:SILICA, CR
YSTALLINE - QUARTZ
CAS:14808-60-7
RTECS #:VV7330000
Fraction by Wt: 15%
Other REC Limits:NONE SPECIFIED
OSHA PEL:SEE TABLE Z3
ACGIH TLV:0.1 MG/M3 RDUST;9293

Ingred Name:CARBON BLACK
CAS:1333-86-4
RTECS #:FF5800000
Fraction by Wt: 5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3; 9192

Ingred Name:ISOPHORONE DIISOCYANATE (RESIN) (SKIN) (VAPOR PRESSURE 1 MM
HG @ 20C)
CAS:4098-71-9
RTECS #:NQ5400000
Fraction by Wt: < 5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:S 0.005P

PM/0.02STEL
ACGIH TLV:0.005 PPM; 9394

Ingred Name:DIBUTYL TIN DILAURATE (ADDITIVE) (SKIN)
CAS:77-58-7
RTECS #:WH7000000
Fraction by Wt: < 1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1000 MG/M3
ACGIH TLV:0.1000 MG/M3

Ingred Name:POLYMERIC HEXAMETHYLENE DIISOCYANATE (RESIN)
CAS:28182-81-2
RTECS #:HQ9170000
Fraction by Wt: 20%
Other REC Limits:MFR: 1 MG/M3

Ingred Name:SOLVENT, NAPHTHA, LIGHT AROMATIC (SOLVENT)
CAS:64742-95-6
Fraction by Wt: < 5%
Other REC Limits:NONE SPECIFIED

Ingred Name:1,6
-DIISOCYANATOHEXANE (HEXAMETHYLENE DIISOCYANATE)
CAS:822-06-0
RTECS #:MO1740000
Fraction by Wt: < 0.100%
Other REC Limits:MFR: 0.0050 PPM
ACGIH TLV:0.005 PPM; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:VOC: 3.49 LB/GL LESS WATER & NPRS*; 419 G/L LESS WATER;
CALCULATED *NEGLIGIBLY PHOTOCHEMICALLY REACTIVE MATERIALS
RTECS #:9999999VO
Other REC Limits:NONE SPECIFIED

Ingred Name:VOC: 6.83 LB/GAL SOLIDS; 820 G/L SOLIDS; CALCULATED
RTECS #:9999999VO
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:INGEST/INHALE/EYE/SKIN: IRRITATION
(GASTROINT, NOSE, THROAT, EYE, SKIN). LUNG ASPIRATION: CHEM
PNEUMONITIS/FATAL. LUNG DAMAGE/ALLERGIC RESP REACTION. RESP SENSIT.
CENTRAL NERVE SYS DEPRESS. SKIN ABSOR P/DEFATTING/SENSIT. OVEREXPO:
PNEUMONCONIOSIS. LIVER,KIDNEY,BLOOD DAM
AGE. SOLVENT ASSOC W/PERM
BRAIN & NERVE SYS DAMAGE.
Explanation of Carcinogenicity:CRYSTALLINE SILICA IS LISTED AS A
POTENTIAL CARCINOGEN BY THE IARC.
Effects of Overexposure:INGEST: NAUSEA/VOMITING. INHALE: HEADACHES,
DIZZINESS, NAUSEA, CONFUSION.
Medical Cond Aggravated by Exposure:RESPIRATORY CONDITIONS MAY BE
AGGRAVATED BY EXPOSURE TO CRYSTALLINE SILICA. TOLUENE HAS BEEN
FOUND TO CAUSE KIDNEY, LUNG & SPLEEN DAMAGE IN LAB ANIMALS. METHYL
ISOBUTYL KETONE MAY DAMAGE THE
KIDNEYS.

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

First Aid:INGEST: DO NOT INDUCE VOMITING. CALL POISON CONTROL,
EMERGENCY ROOM OR PHYSICIAN IMMEDIATELY. INHALE: REMOVE TO FRESH
AIR IMMEDIATELY. GIVE ARTIFICIAL RESPIRATION IF NEEDED. KEEP WARM &
QUIET. GET IMM EDIATE MEDICAL AID. EYE: FLUSH THOROUGHLY WITH LARGE
AMOUNT OF WATER FOR 15 MIN. GET MEDICAL AID. SKIN: REMOVE
CONTAMINATED CLOTHES. WASH AFFECTED AREA WITH SOAP & WATER.
PERSISTANT IRR
IT GET MED AID.

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

Flash Point:40.0F,4.4C
Autoignition Temp:Autoignition Temp Text:572F
Lower Limits:1.0
Upper Limits:8.0
Extinguishing Media:USE NFPA CLASS B(CO2, ALL PURPOSE DRY CHEMICAL OR
ALCOHOL FOAM) FOR LIQUID FIRES. POLYMER FOAM PREFERRED FOR LARGE
FIRES
Fire Fighting Procedures:USE SCBA. WATER MAY BE INEFFECTIVE, USE TO
COOL CNTNRS(FOG NOZZLE PREFERABLE) TO PREVENT PRESSURE
BUILD-UP&AUTO-IGNITION/EXPLOSI

ON WHEN EXPOSED TO EXTREME HEAT.

Unusual Fire/Explosion Hazard:DURING EMERGENCY CONDITIONS, OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. GET MEDICAL ATTENTION.

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

Spill Release Procedures:USE SCBA, PROTECT GEAR. SPECTATORS AWAY. ELIM IGNITE SOURCES. DIKE & CONTAIN W/INERT MAT'L(SAND,ETC).TRANSFER LIQ TO COVERED METAL CNTNR FOR RECOVERY/DISPOSAL. REMOVE W/INERT ABSORB. USE NON-SPARK TOO LS. PREVENT CONTAM OF SEWERS,STREAMS,GROUNDWATERS.

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

Handling and Storage Precautions:DO NOT STORE ABOVE 100F. LARGE QUANTITY STORAGE: COMPLY WITH OSHA 29CFR1910.106. DO NOT TAKE INTERNALLY. CONTAINERS SHOULD BE CLOSED AFTER USE.
Other Precautions:DO NOT REUSE CONTAINERS FOR ANY PURPOSE. CONTAINERS SHOULD BE GROUNDED AND BONDED TO THE RECEIVING CONTAINER. DO NOT WELD, BR
AZE OR CUT ON EMPTY CONTAINER. NEVER USE PRESSURE TO EMPTY.
DRUM IS NOT A P RESSURE VESSEL.

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

Respiratory Protection:WEAR APPROP PROPER FIT (PREFER) POSITIVE PRESS AIR SUPPLIED RESPIRATOR WHILE EXPOSED OR VAPOR PARTICULATE (PAINT SPRAY) RESPIRATOR FOR ISOCYANBATE VAPORS/MISTS. WEAR RESPIRATOR FOR WHOLE TIME OF MIX, SPRAY & UNTIL VAPORS/MISTS ARE GONE.

Ventilation:GENERAL DILUTION/LOCAL EXHAUST VENTILATION IN SUFFICIENT

VOLUME & PATTERN TO KEEP CONCENTRATIONS BELOW EXPOSURE LIMITS.

Protective Gloves:WEAR IMPERMEABLE GLOVES.

Eye Protection:SAFETY SPECTACLES, CHEM SPLASH GOGGLES.

Other Protective Equipment:EYEWASH FACILITY, SAFETY SHOWER. AS REQUIRED TO PREVENT SKIN CONTACT.

Work Hygienic Practices:DO NOT BREATHE SANDING DUST. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

THIS PRODUCT SHOULD NOT BE USED BY PERSONS WHO HAVE HAD CHRONIC (LONG TERM) BREATHING PROBLEMS OR REACT

IONS TO ISOCYANATES. DO NOT
BREATHE VAPOR SPRAY OR MIST. DO NOT GET IN EYES, ON SKIN OR
CLOTHING. KEEP AWAY FROM HEAT SPARKS OR FLAME. USE ONLY WITH
ADEQUATE VENTILATION.

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

HCC:F2
Boiling Pt:B.P. Text:139 TO 419F
Melt/Freeze Pt:M.P/F.P Text:-50F,-46C
Decomp Temp:Decomp Text:1832F,1000C
Vapor Pres:22
Vapor Density:>THAN AIR
Spec Gravity:1.2
pH:4-7
Viscosity:65-80 KU
Evaporation Rate & Reference:SLOWER THAN DIETH
YL ETHER
Solubility in Water:SLIGHT
Appearance and Odor:LIQUID, SOLVENT ODOR
Percent Volatiles by Volume:48

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

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS OR ALKALINE MATERIALS. OXIDIZING MATERIALS.
Stability Condition to Avoid:AVOID EXCESS HEAT (>100F) & IGNITION
SOURCES.
Hazardous Decomposition Products:BURNING,INCLD HEATING BY WELDING OR
CUTTING WILL PRODUCE SMOKE, CARBON MONOXIDE & CARBON DIOXIDE,
POSS
IBLE NITROGEN.*

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

Waste Disposal Methods:FOLLOW FEDERAL, STATE AND LOCAL REGULATIONS &
LAWS. INCINERATE IN EPA PERMITTED FACILITY. DO NOT INCINERATE
CLOSED CONTAINERS. FLAMMABLE-USE PRECAUTIONS FOR DISPOSAL OF
HAZARDOUS MATERIAL-D001. USE HAZARDOUS WASTE LANDFILL FOR USED
ABSORBENT.

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