

ASHLAND CHEMICAL INC SUBSIDIARY OF ASHLAND OIL INC -- LITTON LACQUER THINNER --
8010-00-160-5788

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

Product ID:LITTON LACQUER THINNER

MSDS Date:05/31/1989

FSC:8010

NIIN:00-160-5788

MSDS Number: BJYDX

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL INC SUBSIDIARY OF ASHLAND OIL INC

Box:22219

City:COLUMBUS

State:OH

ZIP:43216

Country:US

Info Phone Num:614-889-3338

Emergency Phone Num:800-274-5263

CAGE:7L600

=== Contractor Ide

ntification ===

Company Name:ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC

Address:3849 FISHER RD

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Country:US

Phone:614-790-3333 / 800-325-3751

CAGE:7L600

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

Ingred Name:METHYL ISOBUTYL KETONE (SARA III)

CAS:108-10-1

RTECS #:SA9275000

Fraction by Wt: 21%

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

Ingred

Name:TOLUENE (SARA III)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 49%
Other REC Limits:*
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: 11%
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:N-BUTYL ALCOHOL (SARA III)
CAS:71-36-3
RTECS #:EO1400000
Fraction by Wt: 11%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM
ACGIH TLV:S, C 50 PPM; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPYL ALCOHOL (SARA III)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 1-10%
Other REC Limits:NONE SPECIFIED
OSHA PEL:400 PPM/500 STEL
ACGIH TLV:400 PPM/500STEL;9192

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Health Hazards Acute and Chronic:OVEREXPOSURE HAS BEEN BEEN SUGGESTED

AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS:KIDNEY DAMAGE, EYE DAMAGE, LIVER ABNORMALITIES. EYES: SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION. SKIN: MODERATE IRRITATION.

Effects of Overexposure:EYES:SEVERE IRRIT,RED,TEAR,BLURRED VISION.SKIN:MODERATE IRRIT,DEFATTING,DERMATITIS.BREATHING:NASAL & RESPIRATORY IRRIT,CENTRAL NERVE SYSTEM EFFECTS,DIZZY,WEAK,FATIGUE,NAUSEA,HEADACHE/POSS UNCONSCIOUSNESS/DEATH.SWALLOWING:GASTROINTESTINAL IRRIT,NAUSEA,VOMIT/DIARRHEA.ASPIRATION OF MATERIAL INTO LUNGS CAN CAUSE CHEM PNEUMONITIS.

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

First Aid:SKIN:THOROUGHLY WASH AREA W/SOAP/WATER.REMOVE CONTAM CLOTHES.WASH BEFORE RE-USE.REMOVE CONTAM SHOES/DISCARD.EYES:FLUSH W/LOTS OF WATER,LIFTING UPPER/LOWER LIDS OCCASIONALLY.GET MED ATTN.SWALLOWED.DO NOT INDUCE VOMIT.KEEP PERSON WARM/QUIET.GET MED ATTN.BREATHED:REMOVE TO FRESH AIR.IF BREATHING IS DIFFICULT,GIVE OXYGEN.IF BREATHING HAS STOPPED,GIVE CPR.KEEP PERSON WARM,QUIET AND GET MED ATTN.

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

Flash Point:< 73F/< 23C

Lower Limits:1.2

Extinguishing Media:REGULAR FOAM OR WATER FOG OR CARBON DIOXIDE OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR & MAY TRAVEL ALONG

THE GROUND OR BE MOVED BY VENTILATION & IGNITED BY IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.

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

Spill Release Procedures:ABSORB LIQUID ON PAPER,VERMICULITE,FLOOR ABSORB/OTHER ABSORB MATERIAL & TRANSFER TO HOOD.ELIMINATE IGNITION SOURCES.PERSONS NOT WEARING PROTECT EQUIP,EXCLUDE FROM AREA.STOP SPILL AT SOURCE,DIKE AREA,PUMP LIQUID TO SALVAGE TANK.SHOVEL REMAINING TO CONTAINER

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

Other Precautions:CONTAINERS OF THIS MAT'L MAY BE HAZARDOUS WHEN
EMPTIED,SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES,ALL HAZARD
PRECAUTIONS MUST BE OBSERVED.NEVER USE WELDING OR CUTTING TORCH ON
OR NEAR DRUM(EVEN EMPTY BECAUSE IT CAN IGNIT EXPLOSIVELY.

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

Respiratory Protection:IF WORKPLACE EXPOS LIMIT OF PRODUCT/ANY
COMPONENT IS EXCEEDED,AN AIR SUPPLIED RSP
RTR IS ADVISED IN ABSENCE
OF PROPER ENVIRONMENTAL CONTROL.OSHA REGS ALSO PERMIT OTHER RSPRTRS
UNDER SPECIFIED CONDITION S.USE ADMIN CONTROLS TO REDUCE EXPOSURE.

Ventilation:PROVIDE SUFFICIENT MECHANICAL(GENERAL AND/OR LOCAL
EXHAUST)VENTILATION TO MAINTAIN EXPOSURE BELOW TLV'S.

Protective Gloves:WEAR NITRILE RUBBER GLOVES.

Eye Protection:CHEM SPLASH GOGGLES/OTHER SAFETY GLASSES

Other Protective Equipment:TO PREVENT REPEATED OR PROLONGED SKIN
CONTACT, WEAR IMPERVIOUS CLOTHING AND B
OOTS.

Supplemental Safety and Health

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

HCC:F3

Boiling Pt:B.P. Text:180F,82C

Vapor Pres:33 MM HG

Vapor Density:> AIR

Spec Gravity:< WATER

Evaporation Rate & Reference:SLOWER THAN ETHER

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Hazardous Decomposition Products:MAY FORM TOXIC MATERIALS, CARBON
DIOX

IDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS, ETC.

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

Waste Disposal Methods:ALLOW VOLATILE PORTION TO EVAP IN HOOD.ALLOW
SUFFICIENT TIME FOR VAPORS TO COMPLETE CLEAR HOOD DUCT WORK.DESTROY
BY LIQUID INCINERATION IN ACCORD W/APPLIC REGS.CONTAM ABSORB MAY BE
DEPOSITED IN A LAND FILL IN ACCORDANCE W/LOCAL,STATE, & FEDERAL
REGS.

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