

HS Graph Arts

STARTEX CHEMICAL INC -- LACQUER THINNER -- 8010-00N051307

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

Gen. Purp.

Product ID: LACQUER THINNER
 MSDS Date: 09/27/1991
 FSC: 8010
 NIIN: 00N051307
 MSDS Number: BTZPQ
 === Responsible Party ===
 Company Name: STARTEX CHEMICAL INC
 Box: 687
 City: CONROE
 State: TX
 ZIP: 77305
 Country: US
 Info Phone Num: 409-539-6244
 Emergency Phone Num: 800-424-9300 (CHEMTREC)
 CAGE: OYFV5
 === Contractor Identification ===
 Company Name: STARTEX CHEMICAL INC
 Address: 5 HACKBERRY LANE
 Box: 3087
 City: CONROE
 State: TX
 ZIP: 77305
 Country: US
 Phone: 800-424-9300 (CHEMTREC) / 936-539-6244
 CAGE: OYFV5

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

Ingred Name: VM&P NAPHTHA; (ALIPHATIC PETROLEUM DISTILLATES) (CONTAINING INGS 2 & 3)
 CAS: 64742-89-8
 Fraction by Wt: 20-25%
 OSHA PEL: 300 PPM; 400 STEL
 ACGIH TLV: 300 PPM

Ingred Name: TOLUENE (SARA III)
 CAS: 108-88-3
 RTECS #: XS5250000
 Fraction by Wt: 7%
 OSHA PEL: 200 PPM
 ACGIH TLV: 50 PPM, S
 EPA Rpt Qty: 1000 LBS
 DOT Rpt Qty: 1000 LBS

Ingred Name: CYCLOHEXANE (SARA III)
 CAS: 110-82-7
 RTECS #: GU6300000
 Fraction by Wt: 3.5%
 OSHA PEL: 300 PPM
 ACGIH TLV: 300 PPM
 EPA Rpt Qty: 1000 LBS
 DOT Rpt Qty: 1000 LBS

Ingred Name: TOLUENE (SARA III)
 CAS: 108-88-3

RTECS #:XS5250000
Fraction by Wt: 40-45%
OSHA PEL:200 PPM
ACGIH TLV:50 PPM, S
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:2-BUTANONE; (METHYL ETHYL KETONE) (MEK) (SARA III)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 18-23%
OSHA PEL:200 PPM
ACGIH TLV:200 PPM;300 STEL
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:METHANOL; (METHYL ALCOHOL) (SARA III)
CAS:67-56-1
RTECS #:PC1400000
Fraction by Wt: <4%
OSHA PEL:200 PPM, S
ACGIH TLV:200 PPM;250 STEL, S
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ETHANOL, 2-BUTOXY-; (ETHYLENE GLYCOL MONOBUTYL ETHER)
(SARA III)
CAS:111-76-2
RTECS #:KJ8575000
Fraction by Wt: 2-4%
OSHA PEL:50 PPM, S
ACGIH TLV:25 PPM, S

Ingred Name:EFTS OF OVEREXP:KETONE/N-HEXANE. ING 7 CAUSES HARM TO FETUS
IN LAB ANIMAL STUDIES. HARM TO FETUS OCCURS ONLY AT (ING 9)
RTECS #:9999999ZZ

Ingred Name:ING 8:EXPOS LEVELS THAT HARM PREGNANT ANIMAL. OVEREXP TO
THIS MATL/ITS COMPONENTS HAS APPARENTLY BEEN FOUND TO (ING 10)
RTECS #:9999999ZZ

Ingred Name:ING 9:CAUSE FOLLOWING EFTS IN LAB ANIMALS:LIVER/BLOOD
ABNORMS, KIDNEY, LUNGS, SPLEEN, BRAIN, NERV SYS/TESTIS (ING 11)
RTECS #:9999999ZZ

Ingred Name:ING 10:DMG & HAS BEEN SUGGESTED AS CAUSE OF FOLLOWING EFTS
IN HUMANS:LIVER ABNORMS, EYE DMG. NOTE:TOLUENE (ING 12)
RTECS #:9999999ZZ

Ingred Name:ING 11:APPEARS ON NAVY LIST OF OCCUP CHEM REPRO HAZS. SEEK
CONSULTATION FROM APPROP HLTH PROFESSIONALS (ING 13)
RTECS #:9999999ZZ

Ingred Name:ING 12:CONCERNING LATEST HAZ LIST INFO & SAFE HNDLG & EXPOS
INFO . ANIMAL STUDIES CLEARLY DEMONSTRATED (ING 14)
RTECS #:9999999ZZ

Ingred Name:ING 13:DOSE-RELATED ADVERSE EFTS ON CNS, HEMATOPOIETIC
TISS, BLOOD, KIDNEYS & LIVER, ASSOC W/ADMIN OF ETHYLENE (ING 15)
RTECS #:9999999ZZ

Ingred Name:ING 14:GLYCOL MONOBUTYL ETHER (EGBE). (EXTRACTED FROM DHHS
(NIOSH) PUBLICATION NO.90-118 .
RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC:TO FORMALDEHYDE & FORMIC ACID. THESE
METABOLITES MAY CAUSE METABOLIC ACIDOSIS, VISUAL DISTURBS & (ING
17)
RTECS #:9999999ZZ

Ingred Name:ING 16:BLINDNESS. SINCE METABOLISM IS REQD FOR THESE TOX
SYMPS, THEIR ONSET MAY BE DELAYED FROM 6-30 HRS (ING 18)
RTECS #:9999999ZZ

Ingred Name:ING 17:FOLLOWING INGEST. ETHANOL COMPETES FOR SAME
METABOLIC PATHWAY & HAS BEEN USED AS ANTIDOTE. METHANOL IS (ING 19)
RTECS #:9999999ZZ

Ingred Name:ING 18:EFTIVELY REMOVED BY HEMODIALYSIS. INHAL:REMOVE
INDIVIDUAL TO FRESH AIR. IF BRTHG IS DFCLT, ADMIN OXYGEN. (ING 20)
RTECS #:9999999ZZ

Ingred Name:ING 19:IF BREATHING HAS STOPPED GIVE ARTF RESP. KEEP PERSON
WARM, QUIET & GET MEDICAL ATTENTION.
RTECS #:9999999ZZ

Ingred Name:SPILL PROC:COMPLETED. STOP SPILL AT SOURCE, DIKE AREA OF
SPILL TO PVNT SPREADING, PUMP LIQ TO SALVAGE TANK. (ING 22)
RTECS #:9999999ZZ

Ingred Name:ING 21:REMAINING LIQ MAY BE TAKEN UP ON SAND, CLAY, EARTH,
FLOOR ABSORB/OTHER ABSORB MATL & SHOVELED INTO (ING 23)
RTECS #:9999999ZZ

Ingred Name:ING 22:CNTNRS. PVNT RUN-OFF TO SEWERS, STREAMS/OTHER BODIES
OF WATER. IF RUN-OFF OCCURS, NOTIFY PROPER AUTHS AS (ING 24)
RTECS #:9999999ZZ

Ingred Name:ING 23:REQUIRED, THAT A SPILL HAS OCCURED.
RTECS #:9999999ZZ

Ingred Name:RESP PROT:CNDTNS (SEE YOUR SAFETY SUPPLIER).
ENGINEERING/ADMIN CONTROLS SHOULD BE IMPLEMENTED TO REDUCE
EXPOSURE.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE:EYES:CAN CAUSE SEV IRRIT,
REDNESS, TEARING, BLURRED VISION. SKIN:PRLNG/RPTD CONT CAN CAUSE
MOD IRRIT, DEFAT, DERM. INHAL:EXCESSIVE INHAL OF VAPS CAN CAUSE
NASAL & RESP IRRIT, CNS EFTS INCL DIZZ, WEAK, FATG, NAUS, HDCH,
POSS UNCON & EVEN DEATH. INGEST:CAN CAUSE GI IRRIT, NAUS, VOMIT &
DIARR. ASPIR(EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ:OF MATL INTO LUNGS CAN CAUSE CHEM
PNEUM WHICH CAN BE FATAL. CHRONIC:MINOR EMBRYOTOX/FETOTOX EFTS HAVE

BEEN OBSERVED IN LAB RATS EXPOS TO ING 5 BY INHAL OF LEVELS >1000 PPM (5X PEL) FOR MOST O F GESTATION PERIOD. ING 5 MAY POTENTIATE (SHORTEN TIME OF ONSET) PERIPHERAL NEUROPATHY CAUSED BY METHYL N-BUTYL (ING 8)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN:THORO WASH EXPOS AREA W/SOAP & WATER. REMOVE & LAUNDER CONTAM CLTHG BEFORE RE-USE. EYES:FLUSH W/LG AMTS OF WATER FOR AT LST 15 MINS, LIFTING UPPER & LOWER LIDS OCCAS, GET MED ATTN. INGEST:DO NOT INDUCE VOMIT, KEEP PERS WARM, QUIET & GET MED ATTN. ASPIR OF MATL INTO LUNGS DUE TO VOMIT CAN CAUSE CHEM PNEUM WHICH CAN BE FATAL. NOTE TO MD:THIS PROD CNTNS METHANOL. METHANOL IS METABOLIZED (ING 16)

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

Flash Point:>10F,>-12C
Lower Limits:1.1%
Extinguishing Media:REGULAR FOAM, CARBON DIOXIDE OR DRY CHEMICAL.
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .
Unusual Fire/Explosion Hazard:NEVER USE WELDING/CUTTING TORCH ON/NEAR DRUM(EVEN EMPTY) BECAUSE PROD(OR RESIDUE) CAN IGNITE EXPLO. ALL 5 GAL PAILS & LGR METAL CNTNRS INCL TANK CARS/(SUPDAT)

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

Spill Release Procedures:SM SPILL:ABSORB LIQ ON PAPER, VERMICULITE, FLOOR ABSORB/OTHER ABSORB MATL. LG SPILL:ELIM ALL IGNIT SOURCES(FLARES, FLAMES INCL PILOT LIGHTS, ELEC SPKS). PERS NOT WEARING PROT EQUIP SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN(ING 21)
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.
Other Precautions:CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID &/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THIS MSDS MUST BE OBSERVED.

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

Respiratory Protection:IF WORKPLACE EXPOS LIM(S) OF PROD/ANY COMPONENT IS EXCEEDED, NIOSH/MSHA APPRVD AIR SUPPLIED RESP IS ADVISED IN ABSENCE OF PROPER ENVIRON CONTROL. OSHA REGS ALSO PERMIT OTHER NIOSH/MSHA APPRVD RESPS (N EG PRESS TYPE) UNDER SPECIFIED (ING 25)
Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL &/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).
Protective Gloves:RESISTANT GLOVES.
Eye Protection:ANSI APPRVD CHEM WORKER GOGGLES .
Other Protective Equipment:TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING & BOOTS.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
EXPLO HAZ:TRUCKS SHOULD BE GROUNDED &/OR BONDED WHEN MATL IS TRANSFERRED. MATL IS HIGHLY VOLAT & READILY GIVES OFF VAPS WHICH

MAY TRAVEL ALONG GROUND/BE MOVED BY VENT & IGNITED BY PILOT LIGHTS,
OTHER FLAMES, SPKS, HEATERS, SMOKING, ELEC MOTORS, STATIC
DISCHARGE/OTHER IGNIT SOURCES AT LOCATIONS DIST FROM MATL HNDLG PT.

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

Boiling Pt:B.P. Text:147F, 64C
Vapor Pres:97.68 @20C
Vapor Density:>1
Spec Gravity:<1
Evaporation Rate & Reference:SLOWER THAN ETHER
Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
AVOID CONTACT W/STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:MAY FORM TOXIC MATERIALS:CARBON
DIOXIDE, CARBON MONOXIDE, VARIOUS HYDROCARBONS, ETC.

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

Waste Disposal Methods:DISPOSE OF I/A/W ALL APPLICABLE LOCAL, STATE &
FEDERAL REGULATIONS.

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