

FRAZEE S R CO (FRAZEE INDUSTRIES) -- 4210600 LACQUER THINNER 28X  
-- 8010-00F014585

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

Product ID:4210600 LACQUER THINNER 28X  
MSDS Date:03/08/1996  
FSC:8010  
NIIN:00F014585  
MSDS Number: BZBXT  
=== Responsible Party ===  
Company Name:FRAZEE S R CO (FRAZEE INDUSTRIES)  
Address:6625 MIRAMAR RD  
City:SAN DIEGO  
State:CA  
ZIP:92121-2508  
Country:US  
Info Phone Num:619-276-9500/619-543-6000  
Emergency Phone Num:619-543-6000/619-276-9500  
Preparer's Name:ZEKE  
CAGE:6D488  
=== Contractor Identification ===  
Company Name:FRAZEE S R CO (FRAZEE INDUSTRIES)  
Address:6625 MIRAMAR RD  
City:SAN DIEGO  
State:CA  
ZIP:92121-2508  
Country:US  
Phone:619-276-9500/619-543-6000  
CAGE:6D488

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

Ingred Name:ISOPROPANOL (ISOPROPYL ALCOHOL), 2-PROPANOL, DIMETHYL  
CARBINOL  
CAS:67-63-0  
RTECS #:NT8050000  
Fraction by Wt: 20%  
Other REC Limits:400 PPM  
OSHA PEL:400 PPM  
ACGIH TLV:400 PPM

Ingred Name:TOLUENE (IARC CARC- GROUP 3) \*96-1\*  
CAS:108-88-3  
RTECS #:XS5250000  
Fraction by Wt: 16.1%  
Other REC Limits:375 MG/CUM  
OSHA PEL:100 PPM  
ACGIH TLV:100 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:2-BUTANONE (METHYL ETHYL KETONE) (MEK)  
CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 5%  
Other REC Limits:590 MG/CUM

OSHA PEL:200 PPM  
ACGIH TLV:590 MG/CUM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:2-BUTOXYETHANOL (ETHYLENE GLYCOL MONOBUTYL ETHER), BUTYL  
CELLOSOLVE, BUTYL GLYCOL, GLYCOL ETHER EB \* 96-1 \*  
CAS:111-76-2  
RTECS #:KJ8575000  
Fraction by Wt: 3%  
Other REC Limits:25 PPM (SKIN)  
OSHA PEL:50 PPM (SKIN)  
ACGIH TLV:25 PPM (SKIN)

Ingred Name:XYLENE, DIMETHYLBENZENE, XYLOL (IARC - GROUP 3) \*96-1\*  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 2%  
Other REC Limits:100 PPM  
OSHA PEL:100 PPM  
ACGIH TLV:100 PPM, SKIN  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:LIGHT ALIPHATIC NAPHTHA, VM & P NAPHTHA, LACOLENE  
CAS:64742-89-8  
Fraction by Wt: 30%  
OSHA PEL:300 PPM  
ACGIH TLV:300 PPM

Ingred Name:ISOBUTYL ACETATE  
CAS:110-19-0  
RTECS #:AI4025000  
Fraction by Wt: 23%  
Other REC Limits:150 PPM  
OSHA PEL:150 PPM  
ACGIH TLV:713 MG/CUM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: VAPORS CAN CAUSE NASAL  
RESPIRATORY IRRITATION. SKIN: IRRITATION, DERMATITIS. INGESTION:  
MAY BE HARMFUL/FATAL, GI IRRITATION. REPEATED/PROLONGED  
OVEREXPOSURE TO SOLVENTS MAY CAUSE PERMANENT BRAIN & NERVOUS  
SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY  
INHALING/CONCENTRATING CONTENTS MAY BE HARMFUL/FATAL.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:DIZZINESS, BREATHING DIFFICULTIES, HEADACHES,  
LOSS OF COORDINATION, IRRITATION, DEFATTING, DRYING/CRACKING,  
NAUSEA, VOMITING, DIARRHEA, REDNESS, TEARING, BLURRED VISION,  
FATIGUE, DIZZINESS.  
Medical Cond Aggravated by Exposure:ANESTHESIA, RESPIRATORY TRACT,  
DERMATITIS, NAUSEA, VOMITING, UNCONSCIOUSNESS, ASPHYXIATION.

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

First Aid:SKIN: CLEAN W/SOAP & WATER. INGESTION: DON'T INDUCE VOMITING.  
INHALATION: REMOVE TO FRESH AIR. EYES: FLUSH W/WATER. OBTAIN  
MEDICAL ATTENTION IN ALL CASES.

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

Flash Point Method:TCC  
Flash Point:22F  
Lower Limits:1  
Upper Limits:12  
Extinguishing Media:FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG.  
Fire Fighting Procedures:DON'T USE WATER EXCEPT IN THE FORM OF A FOG.  
EXCLUDE AIR. WEAR SCBA.  
Unusual Fire/Explosion Hazard:FLAMMABLE. VAPORS FORM EXPLOSIVE MIXTURE  
W/AIR BETWEEN UPPER & LOWER EXPLOSIVE LIMITS. DON'T OPEN/USE NEAR  
ANY FLAME/SPARK SOURCES.

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

Spill Release Procedures:WIPE UP & SAFELY DISCARD ABSORBENTS. LARGE:  
DIKE AREA & PUMP THE MATERIAL TO AN EPA PERMITTED WASTE TANK.

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

Handling and Storage Precautions:USE NON-SPARKING TOOLS. PRIOR TO  
OPENING CONTAINER, ELECTROSTATIC BONDING BETWEEN DISPENSING &  
RECEIVING CONTAINER MUST BE ACCOMPLISHED.  
Other Precautions:IN ADDITION, ELECTROSTATIC GROUNDING OF THE  
CONTAINERS MUST BE PROVIDED. AVOID PROLONGED BREATHING OF VAPORS &  
PROLONGED/REPEATED CONTACT. AVOID HEAT & OTHER IGNITION SOURCES.

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

Respiratory Protection:NONE REQUIRED IF AIRBORNE CONCENTRATIONS ARE  
MAINTAINED BELOW THE OCCUPATIONAL EXPOSURE LIMITS. AIRBORNE  
CONCENTRATIONS HIGHER THAN SUCH LIMITS, WEAR NIOSH/MSHA APPROVED  
MASK FOR ORGANIC VAPOR, DUST, MIST & FUMES.  
Ventilation:EXPLOSION PROOF VENTILATION.  
Protective Gloves:NEOPRENE  
Eye Protection:GOGGLES/FACE SHIELD  
Other Protective Equipment:PROTECTIVE CLOTHING, BOOTS, EYEWASHES,  
SAFETY SHOWERS, BARRIER CREAMS.  
Supplemental Safety and Health

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

Boiling Pt:B.P. Text:175-340F  
Vapor Density:>1  
VOC Pounds/Gallon:810  
Evaporation Rate & Reference:SLOWER THAN ETHER  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:CLEAR LIGHT LIQUID W/TYPICAL LACQUER THINNER ODOR.

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

Stability Indicator/Materials to Avoid: YES  
STRONG OXIDIZING AGENTS.  
Stability Condition to Avoid: OPEN FLAME, EXCESSIVE HEAT & OTHER  
IGNITION SOURCES.  
Hazardous Decomposition Products: COMBUSTION: CO, CO2, VARIOUS  
HYDROCARBONS.

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

Waste Disposal Methods: DISPOSE OF IAW/FEDERAL, STATE & LOCAL  
REGULATIONS.

===== Other Information =====

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