View NSN Online: https://aerobasegroup.com/nsn/8010-00-016-8755

Product ID:MIL-L-19537C LACQUER ACRYLIC - NITROCELLULOSE AACY MSDS Date:04/22/1994 FSC:8010 NIIN:00-016-8755 MSDS Number: CGDRZ === Responsible Party === Company Name: RALRUBE INC Address:36977 FOX GLEN **City:FARMINGTON HILLS** State:MI ZIP:48331 Country:US Info Phone Num:810-661-0 260 Emergency Phone Num:810-661-0260; 800-253-3436 CAGE:GO659 === Contractor Identification === Company Name:RALRUBE INC Address:36977 FOX GLEN **City:FARMINGTON** State:MI ZIP:48331-5000 Country:US Phone:313-661-0260 CAGE:GO659 Company Name:RALRUBE INC. Address:36977 FOX GLEN Box:City:FARMINGTON HILLS State:MI ZIP:48331 Country:US Phone:248-661-0260, FAX 248-661-3941 CAGE:6X798

Ingred Name: ACETIC ACID, 2-METHOXY-1-METHYLETHYL ES

TER; (PROPYLENE GLYCOL METHYL ETHER ACETATE) VP: 3.7 @ 20C CAS:108-65-6 RTECS #:AI8925000 Fraction by Wt: 28-38% **OSHA PEL:N/K** ACGIH TLV:N/K Ingred Name: ACETIC ACID, BUTYL ESTER; (N BUTYL ACETATE) (CERCLA) VP: 9 @ 20C CAS:123-86-4 RTECS #:AF7350000 Fraction by Wt: 8-18% OSHA PEL:150 PPM ACGIH TLV:150 PPM; 200 STEL EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS Ingred Name:2-BUTANONE; (METHYL ETHYL KETONE) (SARA 313) (CERCLA) VP: 70 @ 20C CAS:78-93-3 RTECS #:EL6475000 Fraction by Wt: 8-18% OSHA PEL:200 PPM ACGIH TLV:200 PPM; 300 STEL EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS Ingred Name: TOLUENE (SARA 313) (CERCLA) VP: 22 @ 20C CAS:108-88-3 RTECS #:XS5250000 Fraction by Wt: 5-15% OSHA PEL:200 PPM ACGIH TLV:50 PPM, S EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS Ingred Name: ISOPROPYL ALCOHOL; (ISOPROPANOL) (SARA 313) VP: 33 @ 20C CAS:67-63-0 RTECS #:NT8050000 Fraction by Wt: 1-10% OSHA PEL:400 PPM ACGIH TLV:400 PPM; 500 STEL

Ingred Name:BUTYL ALCOHOL; (BUTANOL) (SARA 313) (C

ERCLA) VP: 5.5 @ 20C CAS:71-36-3 RTECS #:EO1400000 Fraction by Wt: 1-8% **OSHA PEL:100 PPM** ACGIH TLV:50 PPM, S, C EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS Ingred Name: ACETONE (SARA 313) (CERCLA) VP: 180 @ 20C CAS:67-64-1 RTECS #:AL3150000 Fraction by Wt: 1-6% OSHA PEL:1000 PPM ACGIH TLV:750 PPM; 1000 STEL EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS Ingred Name:NITROCELLULOSE CAS:9004-70-0 RTECS #:QW0970000 Fraction by Wt: 1-10% OSHA PEL:N/K ACGIH TLV:N/K Ingred Name: PHTHALIC ACID, BIS(2-ETHY LHEXYL) ESTER; (DIOCTYL PHTHALATE) (SARA 313) (CERCLA) CAS:117-81-7 RTECS #:TI0350000 Fraction by Wt: 1-9% OSHA PEL:5 MG/M3 ACGIH TLV:5 MG/M3 EPA Rpt Qty:100 LBS

Ingred Name:EFTS OF OVEREXP: HUMANS, ANIMAL STUDIES SHOW INHAL OF HIGH LEVELS OF TOLUENE PRDCE CARD SENSIT; MAY CAUSE FATAL (ING 11) RTECS #:9999999ZZ

Ingred Name:ING 10: CHGS IN HEART RHYTHMS. LATTER EFT ENHANCED BY HYPOXIA/INJECTION OF ADRENALIN-LIKE AGENTS. RATS EXPOS TO (ING 12) RTECS #:9999999ZZ

I

DOT Rpt Qty:100 LBS

ngred Name:ING 11: 1400 PPM/1200 PPM OF TOLUENE FOR 14TH/DAY FOR 4/5 WKS (RESPECTIVELY) SHOWED HIGH FREQUENCY HEARING (ING 13) RTECS #:9999999ZZ

Ingred Name:ING 12: DEFICITS. SIGNFICANCE TO MAN UNKNOWN. OVEREXP TO TOLUENE (ITS COMPONENTS) FOUND TO CAUSE FOLLOWING IN (ING 14) RTECS #:9999999ZZ

Ingred Name:ING 13: LAB ANIMALS:LIVER ABNORMS & KIDNEY, LUNG & SPLEEN DMG. HUMANS:LIVER ABNORMS. CONTACT NEHC FOR MORE INFO . RTECS #:99999992Z

Ingred Name:FIRST AID PROC:VOMIT HAS NOT OCCURR ED, INDUCE EMISIS W/SUPERVISION. KEEP HEAD BELOW HIPS TO PVNT ASPIR. IF SYMPS(ING 16) RTECS #:9999999ZZ

Ingred Name:ING 15: SUCH AS LOSS OF GAG REFLEX, CONVLS/UNCON BEFORE EMESIS, CONSIDER GASTRIC LAVAGE USING CUFFED ENDOTRACHEAL TUBE. RTECS #:9999999ZZ

Ingred Name:OTHER PRECS: PILOT LIGHTS. USE NON-SPKG TOOLS & EXPLO-PROOF EQUIP. KEEP AWAY FROM HEAT, SPKS & OPEN FLAME. DO (ING 18) RTECS #:9999999ZZ

Ingred Name:ING 17: NOT APPLY TO HOT SURFS. USE ONLY W/ADEQ VENT. EMPTY CNTNRS RETAIN RESIDUE (LIQ &/OR VAP) & CAN BE (ING 19)

RTECS #:9999992Z

Ingred Name:ING 18: DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CNTNRS TO HEAT, (ING 20) RTECS #:9999999ZZ

Ingred Name:ING 19: FLAME, SPKS/OTHER IGNIT SOURCES. DO NOT ATTEMPT TO CLEAN SINCE RESIDUE IS DFCLT TO REMOVE. EMPTY DRUMS (ING 21) RTECS #:9999999ZZ

Ingred Name:ING 20: SHOULD BE COMPLETELY DRAINED, PROPERLY RETURNED TO DRUM RECONDITIONER. DISP OF ALL OTHER CNTNRS IN (I

NG 22) RTECS #:9999999ZZ

Ingred Name:ING 21: ENVIRONMENTALLY SAFE MANNER & I/A/W GOVT REGS. FOR WORK ON TANKS REFER TO OSHA REGS, ANSI Z49.1 & OTHER (ING 23) RTECS #:9999999ZZ

Ingred Name:ING 22: GOVT & INDUSTRIAL REFERENCES PERTAINING TO CLEANING, REPAIRING, WELDING OR OTHER OPERATIONS. RTECS #:9999999ZZ

Ingred Name:RESP PROT: USE APPRVD AIRLINE-TYPE RESPS/HOODS. WEAR PROPERLY FITTED, NIOSH APPRVD RESP DURING & AFTER APPLICATN(ING 25) RTECS #:9999999ZZ

Ingred Name: ING 24: UNLESS

AIR MONITORING SHOWS VAP/MIST LEVELS ARE BELOW ACCEPTABLE LIMS. FOLLOW RESP MFR'S DIRECTIONS FOR USE. RTECS #:9999999ZZ

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER. Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO Health Hazards Acute and Chronic:INHAL: ANESTH. IRRIT OF RESP TRACT/ACUTE NERVOUS SYS DEPRESS CHARACT BY HDCH, DIZZ, STAG GAIT, CONF

USION, UNCON/COMA. SKIN/EYE CNTCT: PRIMARY IRRITANT. RPTS HAVE ASSOC RPTD & PRLNGD OCCUP OVEREXP TO S OLVS W/PERM BRAIN & NERVOUS SYS DMG. INTENTIONAL MISUSE BY DELIB CONC & INHALING MATL MAY BE HARMFUL/ (EFTS OF OVEREXP)

Explanation of Carcinogenicity:DIOCTYL PHTHALATE: IARC MONO, SUPP, VOL 7, PG 56, 1987:GROUP 2B. NTP 7TH ANNUAL RPT ON CARCINS, 1994:ANTIC TO BE CARCIN.

Effects of Overexposure:HLTH HAZ: FATAL. EFTS OF OVEREXP: TOLUENE APPEARS ON THE NAVY LIST OF OCCUP CH

EM REPRO HAZS. SEEK

CONSULTATION FROM APPROP HLTH PROFESSIONALS CONCERNING LATEST HAZ LIST INFO & SAFE HNDLG & EXPOS INFO . WHILE THERE IS NO EVID THAT INDUST ACCEPTABLE LEVELS OF TOLUENE VAPS (EG TLV) HAVE PRDCED CARD EFTS IN (ING 10)

Medical Cond Aggravated by Exposure:NONE KNOWN.

First Aid:INHAL:REMOVE TO FRESH AIR. GIVE O*2 IF BRTHG DFCLT. CALL MD. EYES:FLUSH IMMED W/COPIOUS QTYS OF RUNNING WATER FOR AT LST 15 MIN. SEE MD FOR DEFINITIVE MED TREATMENT. SKIN:WASH AREAS PROMPTLY W/WATER. REMOVE CONTAMD CLTHG & LAUNDER BEFORE REUSE. CONSULT MD. INGEST:CALL MD/POIS CTL CTR IMMED. IF CONSCIUOS GIVE ONE/TWO GLASSES OF WATER. DO NOT INDUCE VOMIT. NOTE TO MD:IF >2.0 ML/KG INGESTED &(ING 15)

Flash Point Method:SCC Flash Point:51.0F,10.6C Lower Limits:1.4% Extinguishing Media: FOAM, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG. Fire Fighting Procedures: USE NIOSH APPRVD SCBA & FULL PROT EQUIP . WATER MAY BE INEFTIVE, HOWEVER, USE WATER SPRAY TO COOL FIRE-EXPOS CLSD CNTNRS TO PVNT EXPLO. AVOID (SUPDAT) Unusual Fire/Explosion Hazard: TOX GASES EVOLVE WHEN BURNING. KEEP CNTNRS TIGHTLY CLSD. ISOLATE FROM HEAT, ELEC EQUIP, SPKS, OPEN FLAME & AREAS WHERE STATIC ELEC MAY BE GENERATED. (SUPDAT) Spill Release Procedu res:REMOVE ALL IGNIT SOURCES. MOP UP SPILLS/ADD ABSORB. USE NON-SPKG TOOLS. USE ADEQ VENT. MOVE LEAKING CNTNRS OUTDOORS, OBSERVING PRECS W/REGARD TO FIRE, SPK & FLAME HAZ. RUNOFF TO WATERWAY CREATES FIRE HAZS; NOTIFY FIRE & HEALTH AGENCIES. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER. Handling and Storage Precautions: STORE IN WELL-VENTD WAREHOUSE. KEEP OUT OF DIRECT SUN/OTHER HEAT SOURCE. KEEP CNTNRS CLS D. NO SMKNG. DO NOT TAKE INTERNALLY - HARMFUL/FATAL. Other Precautions: GROUND CNTNRS WHEN POURING. AVOID FREE FALL OF LIQ IN EXCESS OF FEW INCHES, CLOSE CNTNR AFTER EACH USE, DO NOT TRANSFER CONTENTS TO BOTTLES/OTHER UNLABELED CNTNRS. AVOID PRLNGD CNTCT W/SKIN & BRTHG OF VAP/SPRAY MIST. EXTINGUISH (ING 17)

Respiratory Protection: IN OPEN AREAS USE NIOSH APPRVD RESP TO REMOVE SOLID AIR-BORNE PARTICLES DURING SPRAY APPLICATN. IN RESTRICTED

VENT AREAS USE NIOSH APPRVD CHEM/MECH FILTERS DESIGNED TO REMOVE COMBINATION OF PARTICULAT ES & VAP. IN CONFINED AREAS (ING 24) Ventilation:USE APPRVD SPRAY BOOTH. PROVIDE GEN DILUTION/LOC EXHST VENT

IN VOL & PATTERN TO KEEP CONC OF MOST HAZ INGRED BELOW TLV. Protective Gloves: IMPERVIOUS GLOVES .

Eye Protection: ANSI APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipment: ANSI APPROVED EYE WASH & DELUGE SHOWER . Work Hygienic Practices: NONE REQUIRED.

S

upplemental Safety and Health

FIRE FIGHT PROC: UNNEC EXPOS TO FUMES. ANY PERSON EXPOS TO SUCH FUMES SHOULD RECEIVE IMMED MED ATTN. EXPLO HAZ: CLSD CNTNRS MAY EXPLODE WHEN EXPOS TO EXTREME HEAT. WATER MAY BE USED TO COOL CLSD CNTNR S. DO NOT APPLY TO HOT SURFS. DO NOT STORE OR MIX W/STRONG OXIDANTS.

Boiling Pt:B.P. Text:>133F,>56C Vapor Pres:SEE INGS Vapor Density:HVR/AIR Spec Gravity:0.93 Evaporation Rate & amp; R eference:FASTER THAN ETHER Appearance and Odor:NONE SPECIFIED BY MANUFACTURER. Percent Volatiles by Volume:52

Stability Indicator/Materials to Avoid:YES
OXIDIZING AGENTS.
Stability Condition to Avoid:TEMPERATURES IN EXCESS OF 150F IN CLOSED
CONTAINER. EXPOSURE TO HEAT, SPARKS, OPEN FLAME AND HOT SURFACES.
Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN.

al Considerations ======= Dispos

Waste Disposal Methods:RECLAIM MATERIAL, INCINERATE OR USE SANITARY LANDFILL METHOD OF DISPOSAL IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS. SEAL DRUMS TIGHTLY.

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 manner whatsoever, expressly or implied, war rants 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.