View NSN Online: https://aerobasegroup.co.il/nsn/3439-00-400-1972

Product ID:1544-MIL TYPE RA FLUX MSDS Date:05/11/1993 FSC:3439 NIIN:00-400-1972 MSDS Number: BWPDS === Responsible Party === Company Name: KESTER SOLDER DIV, LITTON SYSTEMS INC Address:515 E TOUHY City: DES PLAINES State:IL ZIP:60018-2675 Country:US Info Phone Num:708-297-1600 Emerg ency Phone Num:708-297-1600 CAGE:75297 === Contractor Identification === Company Name: KESTER SOLDER DIVISION OF LITTON SYSTEMS, INC. Address:515 E. TOUHY AVENUE Box:City:DES PLAINES State:IL ZIP:60018 Country:US Phone:847-297-1600 CAGE:75297

Ingred Name:ETHYL ALCOHOL (ETHANOL) CAS:64-17-5 RTECS #:KQ6300000 Fraction by Wt: 25% Other REC Limits:NONE RECOMMENDED OSHA PEL:1000 PPM ACGIH TLV:1000 PPM; 9394

Ingred Name:SEC-BUTYL A

LCOHOL (SARA III) CAS:78-92-2 RTECS #:EO1750000 Fraction by Wt: 25% Other REC Limits:NONE RECOMMENDED OSHA PEL:150 PPM ACGIH TLV:100 PPM; 9394

Ingred Name:ROSIN ACID CAS:8050-09-7 Fraction by Wt: 50% Other REC Limits:NONE RECOMMENDED

LD50 LC50 Mixture:LD50 (ORAL) 4.4 G/KG Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic: INHALATION-FUMES DURING SOLDERING MAY IRRITATE MUCOUS MEMBRANES AND RESPIRATORY SYSTEM. SKIN- LOCAL IRRITATION. EYES- IRRITATION FROM CONTACT WITH LIQUID AND SMOKE FROM SOLDERING. INGESTION- BURNI NG SENSATION IN THE DEGESTIVE TRACT. Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN. Effects of Overexposure: INHALATION- HIGH CONCENTRATIONS CAN CUASE HEADACHE, DIZZINESS, NARCOSIS AND NAUSEA. Medical Cond Aggravated by Exposure: CHEMICAL HYPERSENSITIVITY, ASTHMA AND OTHER RESPIRATORY CONDITIONS.

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE MOUTH-TO-MOUTH RESUSCITATION IF NOT BREATHING. GET MEDICAL ATTENTION IMMEDIATELY. EYE: IMMEDIATELY FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING EYELID. G ET MEDICAL ATTENTION IMMEDIATELY. SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. INGESTION: INDUCE VO MITING. NOTHING BY MOUTH IF UNCONSCIOUS. GET MEDICAL ATTENTION IMMEDIATELY.

Flash Point Method:TOC
Flash Point:65.0F,18.3C
Autoignition Temp:Autoignition Temp Text:720F
Lower Limits:2.5
Upper Limits:15.0
Extinguishing Media: USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WIT
H WATER SPRAY.
Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.
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Spill Release Procedures:NOTIFY SAFETY PERSONNEL OF SPILL/LEAK. PROVIDE MAXIMUM EXPLOSION-PROOF VENTILATION. ELIMINATE ALL SOURCES OF IGNITION. WEAR PROTECTIVE EQUIPMENT. CONTAIN LARGE SPILL FOR VACUUM PICK-UP. CONSIDER WATER DILUTION. ABSORB SMALL AMOUNTS W/ INERTMATERIAL.
Neutr
alizing Agent:NOT APPLICABLE.
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Handling and Storage Precautions:PROTECT CONTAINERS FROM PHYSICAL DAMAGE. STORAGE AND USE CONDITIONS MUST BE SUITABLE FOR AN OSHA CLASS IB FLAMMABLE LIQUID.
Other Precautions:MAKE FREQUENT CAREFUL LEAKAGE INSPECTIONS. ISOLATE FROM OXIDEZERS, CHEMICALS CAPABLE OF SPONTANEOUS HEATING, MATERIALS REACTING WITH AIR OR MOISTURE TO LIBERATE HEAT, IGNITION SOURCES AND EXPLOSIVES. KEEP
OUT OF DIRECT SUN & AWAY FROM HEAT.
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Respiratory Protection: IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATORS. RESPIRATORS SHOULD BE SELECTED BASED ON THE FORM AND CONCENTRATION OF CONTAMINANT IN AIR & IN ACCORDANCE WITH OSHA (29 CFR 1910.134). Ventilation: USE BOTH GENERAL AND LOCAL NONSPARKING, EXPLOSION-PROOF EXHAUST VENTILATION TO MAINTAIN AIRBORNE LEVE

LS BELOW TLV/PEL. Protective Gloves:WEAR IMPERVIOUS GLOVES Eve Protection: SAFETY GLASSES/CHEMICAL SAFETY GOGGLES. Other Protective Equipment: WEAR RUBBER BOOTS, APRONS, AND OTHER APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT SUITABLE TO THE WORK SITUATION. Work Hygienic Practices: PRACTICE GOOD PERSONAL HYGIENE. KEEP MATERIAL OFF CLOTHES AND EQUIPMENT. DO NOT SMOKE ANYWHERE NEAR WORK AREA. Supplemental Safety and Health AVOID REPEATED OR PROLONGED SKIN CONTACT OR INHALATION OF VAPORS. USE ONLY WITH ADEQUATE VENTILATION AND ELIMINATE ALL SOURCES OF HAZARDOUS OR UNINTENDED IGNITION. EXPOSURE TO ETHYL ALCOHOL ENHANCES T OXICITY HAZARDS OF OTHER MATERIALS SUCHAS CHLORINATED HYDROCARBON SOLVENTS OR DRUGS. WASH THOROUGHLY AFTER USE. HCC:F2 Boiling Pt:B.P. Text: 170F,77C Vapor Pres:40 Vapor Density:1.8 Spec Gravity:0.926 Evaporation Rate & amp; Reference: 1.8 (N-BUTYL ACETATE=1) Solubility in Water:50% А ppearance and Odor:DARK, AMBER STICKY LIQUID. Percent Volatiles by Volume:57 Stability Indicator/Materials to Avoid:YES STRONG OXIDIZING AGENTS Stability Condition to Avoid: HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION Hazardous Decomposition Products: WHEN HEATED TO SOLDERING TEMPERATURES,

THE SOLVENTS ARE EVAPORATED AND PRODUCE ALIPHATIC ALKEHYDES, ACIDS & TERPENES.

====== Disposal Considera

Waste Disposal Methods:MATERIAL SHOULD BE RECLAIMED, RECYCLED OR INCINERATED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. EMPTY CONTAINERS MAY CONTAIN RESIDUE.

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