

L S HARDENER HMS 15-1107 PART C

MSDS Number

BSXRF

National Stock Number

8010-00N042434

Product Name

L S HARDENER HMS 15-1107 PART C

Manufacturer

ADVANCED COATINGS AND CHEMICALS

Product Identification

Product ID:L S HARDENER HMS 15-1107 PART C

MSDS Date:09/15/1987

FSC:8010

NIIN:00N042434

Kit Part:Y

MSDS Number: BSXRF

Responsible Party

ADVANCED COATINGS & CHEMICALS

4343 TEMPLE CITY BLVD

TEMPLE CITY , CA 91780

US

Emergency Phone: 818-579-6270

Info Phone: 818-579-6270

Cage: ACTAD

Contractor

ADVANCED PRODUCTS DBA ADVANCED COATINGS & CHEMICAL

TEMPLE CITY, CA 91780-4229

US

818-579-6270

Cage: 51686

Ingredients

POLYISCOYANTE (POLYMERIC OLIGOMER) CONCS ARE KNOWN

RTECS: 9999999ZZ

(COMBINATION ORGANIC VAPORS AND PARTICULATE) RESP,

RTECS: 9999999ZZ

SPRAY PAINT ENVIRONMENTS, WILL PROVIDE SUFFICIENT

RTECS: 9999999ZZ

KNOWN, OR IF GUIDELINES ARE EXCEEDED, OR IF

RTECS: 9999999ZZ

VENT, THE USE OF NIOSH/MSHA APPRVD POSITIVE PRESSURE

RTECS: 9999999ZZ

OPERATIONS, SUCH AS MIXING, BRUSH OR ROLLER

RTECS: 9999999ZZ

OR ISOCYANATE VAPS. THEREFORE, WHEN AIRBORN CONCS

RTECS: 9999999ZZ

FOR ISOCYANATE MONOMER, BUT

RTECS: 9999999ZZ

SOLV CONCS SHLD BE ALSO CONSIDERED WHEN DETERMINING

RTECS: 9999999ZZ

HYGIENE & TOX, VOL I (3RD EDITION) CHAPTER 17 &

RTECS: 9999999ZZ

APPROPRIATE AIR SAMPLING STRATEGY TO DETERMINE

RTECS: 9999999ZZ

KEEP THE AREA COVERED TO A MINIMUM.

RTECS: 9999999ZZ

HEXANE, 1,6-DIISOCYANATO-; (HEXAMETHYLENE DIISOCYANATE)

CAS: 822-06-0

RTECS: MO1740000

ACGIH TLV: 0.005 PPM

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

ACETIC ACID, BUTYL ESTER; (N-BUTYL ACETATE) (SARA III)

CAS: 123-86-4

RTECS: AF7350000

OSHA PEL150 PPM;200 STEL

ACGIH TLV: 150 PPM;200 STEL

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

TOLUENE (SARA III)

CAS: 108-88-3

RTECS: XS5250000

OSHA PEL100 PPM;150 STEL

ACGIH TLV: 50 PPM, S

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

WASH DOWN AREA WITH LIQUID DECONTAMINANT AND

RTECS: 9999999ZZ

FROM HEAT, SPARKS AND OPEN FLAME. STORE IN

RTECS: 9999999ZZ

MATLS. AT MAX TEMP NOTED, MATL MAY SLOWLY POLYMERIZE

RTECS: 9999999ZZ

USE 29CFR 1910.134. WHEN THE AIRBORNE ISOCYANATE

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:VAPORS AND MIST: MAY CAUSE IRRIT TO SKIN, EYES & REP TRACT (NOSE, THROAT & LUNGS). SYMPTOMS MAY BE WATERING OF EYES, DRYNESS OF THROAT, COUGHING, HEADACHE, TIGHTNESS IN CHEST OR BURNING SENSATION, DIZ ZINESS OR NAUSEA. RESPIRATORY SENSITIVITY MAY RESULT IN ASTHMA-LIKE SYMPS. SKIN SENSITIVITY MAY RSLT (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ: IN ALLERGIC DERMATITIS, INCLUDING RASH, ITCHING, HIVES AND SWELLING OF EXTREMETIES. NOTE: TOLUENE (108-88-3) APPEARS ON THE NAVY LIST OF OCCUPATIONAL CHEM REPROD HAZS. SEEK CONSULTATION FROM APPROP HLTH PROFESSIONALS CONCERNING LATEST HAZ LIST INFO AND SAFE HANDLING AND EXPOSURE INFORMATION .

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:EYE: FLUSH WITH CLEAN WATER (LOW PRESSURE) FOR AT LEAST 15 MIN, OCCASIONALLY LIFTING EYELIDS. OBTAIN MEDICAL ATTENTION. SKIN: REMOVE CONTAM CLTHG & WASH BEFORE RE-USE. WASH AFFECTED AREA WITH SOAP AND WATER. INHAL: MOVE TO AREA FREE FROM FURTHER EXPOSURE. ADMINISTER OXYGEN OR ARTF RESP AS NEEDED. OBTAIN MED ATTN. INGEST: CONSULT PHYSICIAN. DO NOT INDUCE VOMITING.

Fire Fighting

Flash Point Method:TCC

Flash Point:40F,4.4C

Lower Limits:1.3%

Upper Limits:7%

Extinguishing Media:FOAM, DRY CHEMICAL, CO2 AND/OR WATER FOG.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:DURING A FIRE, IRRIT & TOX GASES & SMOKE ARE PRESENT FROM DECOMP. ISOLATE FROM HEAT/SPARKS/OPEN FLAMES. CLSD CNTNRS MAY BURST WHEN EXPOSED TO EXTREME(SUPP DATA)

Accidental Release

Spill Release Procedures:EVAC NON-ESSENTIAL PERSONNEL. REMOVE ALL SOURCES OF IGNIT: VENT AREA. EQUIP CLEAN-UP CREW W/APPROP PROT EQUIP. DIKE OR IMPOUND SPILLED MATL & CONTROL FURTHER SPILLAGE IF FEASIBLE. NOTIFY APPROP AUTHOR ITIES IF NEC. COVER SPILL W/SAWDUST, (SUPP DATA)

Neutralizing Agent:DECONTAM SOLNS: AMMOUNIUM HYDROXIDE (0-10%), DETERGENT (2-5%) & BALANCE WATER.

Handling

Handling and Storage Precautions:STORAGE TEMP: MIN 32F/MAX 122F. AVERAGE SHELF LIFE: 1 YR AT 77F. SENSITIVE TO HEAT, LIGHT, MOISTURE.

Other Precautions:IF CNTNR IS EXPOSED TO EXTREME HEAT CNTNR CAN PRESSURIZE & BURST. IF MOISTURE ENTERS CNTNR, PRESSURE CAN BUILD UP DUE TO REACTION PRODUCING CO₂, WHICH CAN CAUSE SEALED CNTNR TO BURST. DO NOT RESEAL IF CONTAM IS SUSPECTED. KEEP AWAY (ING 5)

Exposure Controls

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPS THAT ARE APPRVD FOR USE IN ISOCYANTE CNTNG ENVIORNMENTS, (AIR PURIFYING OR FRESH AIR SUPPLIED). IN SPRAY APPLICATION, YOU MUST PROT AGAINST EXPOSURE TO BOTH VAP & SPRAY M IST. OBSERVE OSHA REGS FOR RESP(ING 7)

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:CHEM RESISTANT GLOVES/NEOPRENE/HYPALONS

Eye Protection:CHEM WORK GOGG/FULL LENGTH FSHLD .

Other Protective Equipment:COVER AS MUCH AS THE EXPOSED AREA AS POSSIBLE WITH APPROPRIATE CLTHG. SAFETY SHOWERS & EYE WASH STATIONS SHLD BE AVAIL.

Work Hygienic Practices:EDUCATE AND TRAIN EMPLOYEES IN SAFE USE OF THE PRODUCT. CNTCT LENSES SHDLD NOT BE WORN. IF SKIN CREAMS USED, (ING 19)

Supplemental Safety and Health

KEY1;T3.EXPLO HAZ: HEAT. VAPS FORM AN EXPLO MIX IN AIR BETWEEN THE UPPER & LOWER EXPLO LIMITS. SPILL PROC: VERMICULITE/OTHER ABSORBENT MATL, POUR LIQ DECONTAM OVER SPILLAGE & ALLOW TO REACT @ LST 10 M INS. COLLECT MATL IN OPEN CNTNRS & ADD FURTHER AMTS OF DECONTAM SOLN. REMOVE CNTNRS TO SAFE PLACE. COVER LOOSELY. (ING 4

Chemical Properties

HCC:T3

Boiling Pt:B.P. Text:230F,110C

Vapor Pres:22

Vapor Density:HVR/AIR

Spec Gravity:0.94 (H₂O=1)

Evaporation Rate & Reference:FASTER (BUTYL ACETATE=1)

Solubility in Water:NEGLEGIBLE

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

Percent Volatiles by Volume:73

Stability

Stability Indicator/Materials to Avoid:YES

AVOID CNTCT W/WATER, ALCOHOLS, AMINES, STRONG BASES, METAL CMPNDS OR SURFACE ACIVE AGENTS.

Stability Condition to Avoid:CONTACT WITH MOISTURE & OTHER MATERIALS WHICH REACT WITH ISOCYANATES. TEMPERATURE ABOVE MAX STORAGE TEMPERATURE.

Hazardous Decomposition Products:BY FIRE: CO₂, CO, OXIDES OF NITROGEN, TRACES OF HCN AND TDI.

Disposal

Waste Disposal Methods:WASTE MATL MUST BE DISPOSED OF I/A/W FEDERAL, STATE & LOC ENVIRONMENTAL CONTROL REGS. EMPTY CNTNRS MUST BE HNDLG W/CARE DUE TO PROD RESIDUE & COMBUST SOLV VAPOR. DECONTAM CNTNRS PRIOR TO DISPOSAL. DO NOT HEAT OR CUT EMPTY CNTNR W/ELEC OR GAS TORCH.

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