

RALRUBE INC. -- LAM 4123, MIL-R-7575C

=====
MSDS Safety Information
=====

FSC: 8040
NIIN: 00-200-3793
MSDS Date: 01/05/2000
MSDS Num: CKSBC
Product ID: LAM 4123, MIL-R-7575C
MFN: 01
Responsible Party
Cage: 6X798
Name: RALRUBE INC.
Address: 36977 FOX GLEN
City: FARMINGTON HILLS MI 48331
Info
Phone Number: 810-661-0260
Emergency Phone Number: 248-661-0260
Resp. Party Other MSDS No.: 0301130-002.00

=====
Item Description Information
=====

Item Manager: GSA
Item Name: ADHESIVE
Unit of Issue: GL
UI Container Qty: 0

=====
Ingredients
=====

Name: *** PROPRIETARY ***

=====
Health Hazards Data
=====

Route Of Entry Inds - Inhalation: YES
Skin: YES
Carcinogenicity Inds - NTP: NO
IARC: YES
OSHA: NO
Effects of Exposure: EYE: EXPOSURE CAUSES EYE IRRITATION. SKIN: CAUSES IRRITATION. PROLONGED OR REPEATED EXPOSURE MAY DRY THE SKIN. SKIN ABSORPTION IS POSSIBLE, BUT HARMFUL EFFECTS ARE NOT EXPECTED FROM THIS ROUTE OF EXPOSURE UNDER NORMAL CONDITIONS OF HA

NDLING AND USE. SWALLOWING: SINGLE DOSE ORAL

TOXICITY IS LOW. SWALLOWING SMALL AMOUNTS DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. SWALLOWING LARGE AMOUNTS MAY BE HARMFUL. THIS MATERIAL CAN ENTER THE LUNGS DURING SWALLOWING OR VOMITING AND CAUSE LUNG INFLAMMATION AND/OR DAMAGE. INHALATION: EXPOSURE TO VAPOR OR MIST IS POSSIBLE. EXPOSURE TO AEROSOL AND/OR MIST IS POSSIBLE.

Explanation Of Carcinogenicity: THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER HAS CLASSIFIED

STYRENE IN GROUP 2B (POSSIBLY CARCINOGENIC TO HUMANS). THIS CLASSIFICATION IS NOT BASED ON ANY SIGNIFICANT NEW EVIDENCE FOR GROUP 2B AND CONSIDERATION OF NEW DATA ON STYRENE OXIDE.

Signs And Symptoms Of Overexposure: METALLIC TASTE, GASTROINTESTINAL IRRITATION (NAUSEA, VOMITING, DIARRHEA), IRRITATION (NOSE, THROAT, RESPIRATORY TRACT), CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION (DIZZINESS, DROWSINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS) AND OTHER CNS EFFECTS, IMPAIRED

COORDINATION, CONFUSION, LIVER DAMAGE.

Medical Condition Aggravated By Exposure: CNS, EFFECTS ON HEARING, RESPIRATORY SYSTEM.

First Aid: EYES: IF SYMPTOMS DEVELOP, IMMEDIATELY MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. FLUSH EYES GENTLY WITH WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS APART; SEEK IMMEDIATE MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH EXPOSED AREA WITH LARGE AMOUNTS OF WATER. SEEK IMMEDIATE MEDICAL ATTENTION. LAUNDRY CLOTHING BEFORE REUSE.

SWALLOWING: DO NOT INDUCE VOMITING. THIS MATERIAL IS AN ASPIRATION HAZARD. IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS, PLACE ON LEFT SIDE WITH THE HEAD DOWN. SEEK MEDICAL ATTENTION.

=====
Handling and Disposal
=====

Spill Release Procedures: SMALL SPILL: ABSORB LIQUID IN VERMICULITE, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND TRANSFER TO HOOD. LARGE SPILL: ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS). PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: CONTAMINATED ABSORBENT MAY BE DEPOSITED IN A LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DESTROY BY LIQUID INCINERATION IN ACCORDANCE WITH APPLICABLE REGULATIONS.

Handling And Storage Precautions: ALL FIVE GASES

LLON PAILS AND LARGER METAL

CONTAINERS INCLUDING TANK CARS AND TANK TRUCKS SHOULD BE GROUNDED AND/OR BONDED WHEN MATERIAL IS TRANSFERRED.

Other Precautions: CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

=====
Fire and Explosion Hazard Information
=====

=====
Flash Point: =22.8C, 73.F

Flash Point Text: 73.0 - 100.0 F

Autoignition Temp Text: NODATA

Lower Limits: NO DATA

Upper Limits: NO DATA

Extinguishing Media: REGULAR FOAM, WATER FOG, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures: WEAR A SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WITH APPROPRIATE TURN-OUT GEAR AND CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard: VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG

THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.

=====
Control Measures
=====

Respiratory Protection: IF WORKPLACE EXPOSURE LIMIT(S) OF PRODUCT OR ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS

ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS UNDER SPECIFIED CONDITIONS. ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

Ventilation: PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves: RESISTANT GLOVES SUCH AS: POLYVINYL ALCOHOL

Eye Protection: CHEMICAL SPLASH GOGGLES

Other

Protective Equipment: WEAR NORMAL WORK CLOTHING COVERING ARMS AND LEGS.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health: NONE SPECIFIED BY MANUFACTURER.
=====

Physical/Chemical Properties
=====

HCC: F3

Boiling Point: =145.2C, 293.4F

B.P. Text: @760MMHG

Vapor Pres: 4.500 MMHG @ 68F

Spec Gravity: 1.100@77F

Solubility in Water: NEGLIGIBLE

Appearance and Odor

: VISCOUS CLEAR LIQUID; STYRENATED ODOR.

=====
Reactivity Data
=====

Stability Indicator: YES

Stability Condition To Avoid: NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid: AVOID CONTACT WITH STRONG ALKALIES, STRONG MINERAL ACIDS.

Hazardous Decomposition Products: MAY FORM CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS.

Hazardous Polymerization Indicator: YES

Conditions To Avoid Po

lymerization: AVOID EXPOSURE TO EXCESSIVE HEAT, PEROXIDES AND POLYMERIZATION CATALYSTS.

=====
Toxicological Information
=====

Toxicological Information: TARGET OTGANS:KIDNEY, LIVER, RESPIRATORY TRACT, TESTIS, AND HEARING.

=====
Ecological Information
=====

=====
MSDS Transport Information
=====

Transport Information: PSN: RESIN SOLUTION, 3, UN1866, III.

=====
Regulatory Information
=====

Sara Title III Information: CERCLA RQ FOR STYRENE = 1,000 LBS. SEC 302 COMPONENTS = NONE; SEC 311/312 HAZARD CLASS; IMMEDIATE= YES; DELAYED = YES; FIRE= YES; REACTIVE= YES. SECTION 313 COMPONETS: S TYRENE 26.67%.

Federal Regulatory Information: THE COMPONENTS OF THIS PRODUCT ARE LISTED IN THE TSCA INVENTORY.

State Regulatory Information: CANADIAN DSL: LISTED. CALIFORNIA PROPOSITION 65 - THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS AND OTHER REPRODUCTIVE HARM= BENZENE. NEW JERSEY AND P ENNSYLVANIA RTK LABEL INFORMATION; STYRENE MONOMER (CAS 100-42-5)

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

=====
=====
Transportation Information
=====

Responsible Party Cage: 6X798
Trans ID NO: 154356
Product ID: LAM 4123, MIL-R-7575C
MSDS Prepared Date: 01/05/2000
Review Date: 08/07/2000
MFN: 1
Net Unit Weight: 9.15 LB/GL
Multiple KIT Number: 0
Unit Of Issue: GL
Container QTY: 0
Additional Data: PSN PER MSDS.
=====

=====
Detail DOT Information
=====

DOT PSN QS
DOT Proper Shipping Name: RESIN SOLUTION
DOT PSN Modifier: FLAMMABLE
Hazard Class: 3
UN ID Num: UN1866
DOT Packaging Group: III
Label: FLAMMABLE LIQUID
Special Provision: B1,B52,T7,T30
Packaging Exception: 150
Non Bulk Pack: 173
Bulk Pack: 242
Max Qty Pass: 60 L
Max Qty Cargo: 220 L
Vessel Stow Req: A
=====

=====
Detail IMO Information
=====

=====
IMO PSN Code: NBJ
IMO Proper Shipping Name: RESIN,SOLUTION
IMO PSN Modifier: FLAMMABLE o
IMDG Page Number: 3379
UN Number: 1866
UN Hazard Class: 3.3
IMO Packaging Group: III
Subsidiary Risk Label: -
EMS Number: 3-05
MED First Aid Guide NUM: 310
=====

=====
Detail IATA Information
=====

IATA PSN Code: VSA
IATA UN ID Num: 1866
IATA Proper Shipping Name: RESIN SOLUTION

IATA PSN Modifier: ,FLAMMABLE
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
UN Packing Group: III
Packing Note Passenger: 309
Max Quant Pass: 60L
Max Quant Cargo: 220L
Packaging Note Cargo: 310

=====
Detail AFI Information
=====

AFI PSN Code: VSA
AFI Proper Shipping Name: RESIN SOLUTION
AFI PSN Modifier: ,FLAMMABLE
AFI Hazard Class: 3
AFI UN ID NUM: UN1866
AFI Packing Group: III
Special Provisio
ns: P5
Back Pack Reference: A7.3

=====
HAZCOM Label
=====

Product ID: LAM 4123, MIL-R-7575C
Cage: 6X798
Company Name: RALRUBE INC.
Street: 36977 FOX GLEN
City: FARMINGTON HILLS MI
Zipcode: 48331
Health Emergency Phone: 248-661-0260
Label Required IND: Y
Date Of Label Review: 08/07/2000
Status Code: A
Year Procured: 2000
Origination Code: F
Chronic Hazard IND: Y
Eye Protection IND: YES
Skin Protec
tion IND: YES
Signal Word: WARNING
Respiratory Protection IND: YES
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: Moderate
Reactivity Hazard: None
Hazard And Precautions: TARGET ORGANS: LIVER, KIDNEY, CNS AND HEARING. EXPOSURE
CAUSES EYE & SKIN IRRITATION. SWALLOWING: LOW TOXICITY. SWALLOWING LARGE
AMOUNTS MAY BE HARMFUL. ASPIRATION HAZARD, CAN CAUSE LUNG DAMAGE. INH
ALATION: BREATHING LARGE AMOUNTS MAY BEHARMFUL. FIRST AID:EYES: FLUSH EYES
GENTLY WITH WATER FOR AT LEAST

15 MINUTES WHILE HOLDING EYELIDS APART; SEEK MEDICAL HELP. SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH EXPOSUED AREA WITH WATER. SEEK MEDICAL ATTENTION. LAUNDER CLOTHING BEFORE REUSE. SWALLOWING: DO NOT INDUCE VOMITING. IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS, PLACE ON LEFT SIDE WITH THE HEAD D OWN. SEEK MEDICAL ATTENTION.

=====
Disclaimer (provided with this information by the compiling agencies): This information is formulated for us

e by elements of the Department of Defense.

The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee

of the

United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.