

CLIFTON ADHESIVE -- LA-4123CLIFTON ADHESIVE -- LA-4123  
MATERIAL SAFETY DATA SHEET  
NSN: 804000N050646  
Manufacturer's CAGE: 79833  
Part No. Indicator: A  
Part Number/Trade Name: LA-4123

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General Information  
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Company's Name: CLIFTON ADHESIVE INC  
Company's P. O. Box: 282  
Company's City: WAYNE  
Company's State: NJ  
Company's Country: US  
Company's Zip Code: 07474-0832  
Company's Emerg Ph #: 201-694-0845  
Company's Info Ph #: 201-694-0845  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 001  
Status: SMJ  
Date MSDS Prepared: 25OCT93  
Safety Data Review Date: 25APR94  
MSDS Serial Number: BVJYQ  
Hazard Characteristic Code: NK

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Ingredients/Identity Information  
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Proprietary: NO  
Ingredient: 2-BUTANONE; (METHYL ETHYL KETONE) (MEK)  
Ingredient Sequence Number: 01  
Percent: 32  
NIOSH (RTECS) Number: EL6475000  
CAS Number: 78-93-3  
OSHA PEL: 200 PPM;300 STEL  
ACGIH TLV: 200 PPM;300 STEL

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Proprietary: NO  
Ingredient: TETRAHYDROFURAN  
Ingredient Sequence Number: 02  
Percent: 49  
NIOSH (RTECS) Number: LU5950000  
CAS Number: 109-99-9  
OSHA PEL: 200 PPM;250 STEL  
ACGIH TLV: 200 PPM;250 STEL

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Proprietary: NO  
Ingredient: CYCLOHEXANONE  
Ingredient Sequence Number: 03  
Percent: 9  
NIOSH (RTECS) Number: GW1050000  
CAS Number: 108-94-1  
OSHA PEL: 50 PPM, S  
ACGIH TLV: 25 PPM, S  
Other Recommended Limit: 7N/K

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Physical/Chemical Characteristics  
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Appearance And Odor: CLEAR, PUNGENT SULFIDE  
Boiling Point: 149F,65C  
Vapor Pressure (MM Hg/70 F): 106  
Vapor Density (Air=1): 2.5  
Specific Gravity: 0.889

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Fire and Explosion Hazard Data  
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Flash Point: 4F,-16C  
Flash Point Method: OC  
Lower Explosive Limit: 1.1%  
Upper Explosive Limit: 13%  
Extinguishing Media: CO\*2, FOAM, DRY CHEMICAL.  
Special Fire Fighting Proc: NIOSH/MSHA APPRVD SCBA & FULL PROTECTIVE EQUIPMENT (FP N). USE WATER SPRAY TO COOL FIRE EXPOSED STRUCTURES AND DISPERSE VAPS CLOUD IF FIRE IS NOT PRESENT.  
Unusual Fire And Expl Hazrds: VAP IS HVR/AIR AND MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASHBACK.

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Reactivity Data  
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Stability: YES  
Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.  
Materials To Avoid: NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomp Products: OXIDES OF CARBON.  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): NOT RELEVANT

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Health Hazard Data  
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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.  
Route Of Entry - Inhalation: YES  
Route Of Entry - Skin: YES  
Route Of Entry - Ingestion: YES  
Health Haz Acute And Chronic: ACUTE: NAUS &/OR NARCOS. MAY CAUSE SEV EYE BURNS. CHRONIC: MAY CAUSE NERVE DAM. MAY DAM LIVER & KIDNEYS WHEN INGESTED/ INHALED @ HIGH CONC. MINOR EMBRYOTOX/FETOTOX EFTS HAVE BEEN OBSERVED IN LAB RATS EXPOSED TO MEK BY INHAL @ LEVELS >1000 PPM (5X OSHA-PEL) FOR MOST OF GESTATION PERIOD. SIGNS/SYMPS: IRRIT(EFTS OF OVEREXP  
Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO  
Explanation Carcinogenicity: NOT RELEVANT  
Signs/Symptoms Of Overexp: HLTH HAZ: TO EYES & MUC MEMB. CAN ALSO CAUSE SKIN DRY. LIQ INGEST MAY RSLT IN VOMIT. WEAK IN HANDS & FEET. TARGET ORGANS: CNTNS MEK WHICH, BASED ON ANIMAL DATA, MAY CAUSE LIVER ABNORM, KIDNEY, LUNG/BRAIN DAM. TERATOGEN. CNTNS THF WHICH, BASED ON ANIMAL DATA, MAY CAUSE LIVER ABNORM, KIDNEY DAM. CNTNS ING 3 (SUPDAT)  
Med Cond Aggravated By Exp: RESPIRATORY AILMENTS.  
Emergency/First Aid Proc: UTILIZE SUGGESTED METH BELOW. IN EMER SITUATIONS FLUSH ABUNDENTLY WITH CLEAN WATER FOR AT LEAST 15 MINUTES AND CONSULT A PHYS. INGEST: DO NOT INDUCE VOMIT. GET MED ATTN. INHAL: REMOVE TO FRESH AIR/GIVE OXYGEN. USE CPR IF PATIENT IS NOT BRTHG. GET MED ATTN.

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Precautions for Safe Handling and Use  
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Steps If Matl Released/Spill: NONE SPECIFIED BY MANUFACTURER.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.  
Waste Disposal Method: DISPOSE OF ADHESIVE I/A/W FEDERAL, STATE AND LOCAL  
CHEMICAL AND SOLVENT WASTE DISPOSAL REGULATIONS.  
Precautions-Handling/Storing: STORE IN APPROVED SOLVENT STORAGE AREA. KEEP  
TIGHTLY CLOSED. KEEP AWAY FROM HEAT, OPEN FLAMES, SPARKS, HOT SURF AND  
OXIDIZING AGENTS.  
Other Precautions: NONE SPECIFIED BY MANUFACTURER.

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Control Measures  
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Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR  
EXPOSURE OF CONCERN (FP N).  
Ventilation: LOC EXHST: REMOVE VAPS DURING PROCESSING. MECH EXHST: EXPLO-  
PROOF SPECIFIED LIM. SPECIAL: REDUCE VAP CONC BELOW (SUPDAT)  
Protective Gloves: PVA GLOVES.  
Eye Protection: ANSI APPVD CHEM WORK GOGG W/FULL(SUPDAT)  
Other Protective Equipment: USE PROT CLTHG AS REQD TO PVNT CONT W/SKIN, &  
PROT EYE SHIELDS TO PROTECT EYES. EMER EYE BATH MEETING ANSI (SUPDAT)  
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.  
Suppl. Safety & Health Data: EFTS OF OVEREXP: WHICH, BASED ON ANIMAL DATA,  
MAY CAUSE LIVER/KIDNEY DAMAGE. VENT: SPECIFIED LIMITS. OTHER PROT  
EQUIP:DESIGN CRITERIA (FP N). EYE PROT: LGTH FACESHIELD (FP N).

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Transportation Data  
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Disposal Data  
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Label Data  
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Label Required: YES  
Technical Review Date: 25APR94  
Label Date: 11AUG94  
Label Status: G  
Common Name: LA-4123  
Chronic Hazard: YES  
Signal Word: DANGER!  
Acute Health Hazard-Moderate: X  
Contact Hazard-Severe: X  
Fire Hazard-Severe: X  
Reactivity Hazard-None: X  
NAUSEA AND/OR NARCOSIS. MAY CAUSE SEVERE EYE BURNS. CHRONIC:MAY CAUSE NERVE  
DAMAGE. MAY DAMAGE LIVER AND KIDNEYS WHEN INGESTED OR INHALED AT HIGH  
CONCENTRATIONS.  
Protect Eye: Y  
Protect Skin: Y  
Protect Respiratory: Y  
Label Name: CLIFTON ADHESIVE INC  
Label P.O. Box: 282  
Label City: WAYNE  
Label State: NJ  
Label Zip Code: 07474-0282  
Label Country: US  
Label Emergency Number: 201-694-0845