

CLIFTON ADHESIVE INC -- FA1076 MM-A-1617 TYPE 3 -- 8040-00-298-1946  
===== Product Identification =====

Product ID:FA1076 MM-A-1617 TYPE 3  
MSDS Date:03/09/1998  
FSC:8040  
NIIN:00-298-1946  
Status Code:A  
MSDS Number: CKLXZ  
=== Responsible Party ===  
Company Name:CLIFTON ADHESIVE INC  
Address:BURGESS PL  
City:WAYNE  
State:NJ  
ZIP:07474-0832  
Country:US  
Info Phone Num:201-694-0845  
Emergency Phone Num:800-424-9300  
Chemtrec Ind/Phone:(800)424-9300  
CAGE:79833  
=== Contractor Identification ===  
Company Name:CLIFTON ADHESIVE INC  
Address:BURGESS PL  
Box:City:WAYNE  
State:NJ  
ZIP:07470  
Country:US  
Phone:201-694-0845; 973-694-0845  
CAGE:79833

===== Composition/Information on Ingredients =====

Ingred Name:METHYL ETHYL KETONE  
CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 65%  
OSHA PEL:200  
ACGIH TLV:200  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:TETRAHYDROFURON (THF)  
CAS:109-99-9  
RTECS

#:LU5950000  
Fraction by Wt: 4%  
OSHA PEL:200  
ACGIH TLV:200  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:METHYL ISOBUTYL KETONE  
CAS:108-10-1  
RTECS #:SA9275000  
Fraction by Wt: 4%  
OSHA PEL:50  
ACGIH TLV:50  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:NITRILE RUBBER (NO FURTHER INFO PROVIDED) TSR #:  
1397250002-5004P  
CAS:9003-18-3

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute

and Chronic:ACUTE: NAUSEA AND/OR NARCOSIS.

CHRONIC: MAY CAUSE LIVER AND KIDNEY DAMAGE. CAN DAMAGE NERVOUS SYSTEM. WEAKNESS IN HANDS AND FEET MAY OCCUR. MINOR EMBRYOTOXIC/FETOTOXIC EFFECTS HAVE BEEN OBSERVED IN LA B RATS EXPOSED TO MEK BY INHALATION AT LEVELS GREATER THAN 1000 PPM (5 TIMES THE OSHA-PEL) FOR MOST OF THE GESTATION PERIOD. TARGET ORGANS: MEK, BASED ON ANIMAL DATA, MAY CAUSE LIVER ABNORMALITIES, KIDNEY, LUNG AND BRAIN DAMAGE. TERATOGEN. THF-MAY CAUSE LIV

ER OR

KIDNEY ABNORMALITIES. MIBK - MAY CAUSE LIVER ABNORMALITIES, LUNG OR BRAIN DAMAGE, BASED ON ANIMAL DATA.

Explanation of Carcinogenicity:CARCINOGENICITY: NO

Effects of Overexposure:IRRITATION TO EYES AND SKIN. CAN ALSO CAUSE SKIN DRYNESS. LIQUID INGESTION MAY RESULT IN VOMITING. CAN SEVERELY BURN EYES. MAY CAUSE VOMITING AND DIARRHEA.

Medical Cond Aggravated by Exposure:RESPIRATORY AILMENTS, MAY CAUSE INJURY TO LIVER AND KIDNEYS WHEN INGESTED OR INHALED AT HIGH CONCE

NTRATIONS.

=====  
First Aid Measures  
=====

First Aid:IN EMERGENCY SITUATIONS NOTIFY PHYSICIAN IMMEDIATELY. SKIN:  
WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION. EYES: FLUSH EYES  
ABUNDANTLY WITH CLEAR WATER AND REFER TO PHYSICIAN. INGESTION: DO  
NOT IND UCE VOMITING. REFER TO PHYSICIAN. EXCESSIVE INHALATION:  
REMOVE PATIENT TO FRESH AIR OR GIVE OXYGEN. USE CPR IF PATIENT IS  
NOT BREATHING. REFER TO PHYSICIAN.

=====  
Fire F  
ighting Measures  
=====

Flash Point Method:OC  
Flash Point:=-15.6C, 4.F  
Autoignition Temp:=-321.1C, 610.F  
Lower Limits:1.4  
Upper Limits:11.8  
Extinguishing Media:CO2, FOAM, DRY CHEMICAL  
Fire Fighting Procedures:NIOSH/MSHA - APPROVED SELF-CONTAINED BREATHING  
APPARATUS SHOULD BE WORN. USE WATER SPRAY TO COOL FIRE EXPOSED  
STRUCTURES AND DISPERSE VAPOR CLOUD IF FIRE IS NOT PRESENT.  
Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND MAY TRAVEL  
CONSIDERABLE DISTANCE  
TO SOURCE OF IGNITION AND FLASHBACK.

=====  
Accidental Release Measures  
=====

Spill Release Procedures:ABSORB SPILL IN SAND, EARTH, VERMICULITE,  
OIL-DRI, OR SOL-SPEED-DRI. SHOVEL ABSORBED MATERIAL INTO STEEL  
CONTAINER AND COVER.

=====  
Handling and Storage  
=====

Handling and Storage Precautions:STORE IN APPROVED SOLVENT STORAGE  
AREA. KEEP TIGHTLY CLOSED. KEEP AWAY FROM HEAT, OPEN FLAMES,  
SPARKS, HOT SURFACES AND OX  
IDIZING AGENTS/  
Other Precautions:NA

=====  
Exposure Controls/Personal Protection  
=====

Respiratory Protection:USE NIOSH-APPROVED ATMOSPHERE SUPPLYING OR AIR  
PURIFYING RESPIRATOR FOR ORGANIC VAPORS AS REQUIRED TO MAINTAIN  
EXPOSURE LEVELS BELOW RECOMMENDED LIMITS.  
Ventilation:AS SPECIFIED, LOCAL EXHAUST: REMOVE VAPORS DURING  
PROCESSING. MECHANICAL EXHAUST: EXPLOSION-PROOF EQUIPMENT. SPECIAL:  
REDUCE VAPOR CONCENTRATIONS BELOW LIMITS.  
Protective Gloves:PVA GLOVES

Eye Protection:SAFETY GLASSES

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO PREVENT SKIN CONTACT.

Work Hygienic Practices:KEEP AREA CLEAN. CLEAN UP SPILLS IMMEDIATELY. PRACTICE GOOD PERSONAL HYGIENE.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

Boiling Pt:=65.C, 149.F

Vapor Pres:71.3 MMHG @ 20C OR 68F

Vapor Density:N/P2.55

Spec Gravity:0.867

VOC Grams/Liter:5.43

Appearance and Odor:LIGHT AMBER, SWEET PUNGENT ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NA

Stability Condition to Avoid:AVOID HEAT, OPEN FLAMES, SPARKS, HOT SURFACES, AND OXIDIZING AGENTS.

Hazardous Decomposition Products:OXIDES OF CARBON, NITROGEN ZINC, SULFUR. HYDDROGEN CHLORIDE.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CHEMICAL AND SOLVENT WASTE DISPOSAL REGULATIONS.

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

Transport Information:ADHESIVES, UN1133

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

Federal Regulatory Information:US POSTAL SERV LIMITED QUANTITIES OR BY PRIOR APPROVAL.

State Regulatory Information:

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

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 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.