

CLIFTON ADHESIVE INC -- FA1051 MMM-A-1617 TYPE II, ADHESIVE, RUBBER BASE, GENERAL PU --  
8040-00-290-4301

===== Product Identification =====

Product ID:FA1051 MMM-A-1617 TYPE II, ADHESIVE, RUBBER BASE, GENERAL PU

MSDS Date:07/27/1998

FSC:8040

NIIN:00-290-4301

Status Code:A

MSDS Number: CLPWS

=== Responsible Party ===

Company Name:CLIFTON ADHESIVE INC

Address:BURGESS PL

City:WAYNE

State:NJ

ZIP:07470

Country:US

Info Phone Num:201-694-0845; 973-694-0845

Emergency Phone Num:201-694-0543

Preparer's Name:ERNEST CARTER

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:TOLUENE

CAS:108-88-3

RTECS #:XS5250000

= Wt:16.

OSHA PEL:SEE TABLE Z-2

ACGIH TLV

:188 MG/M3;50 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:HEXANE  
CAS:110-54-3  
RTECS #:MN9275000  
= Wt:25.  
OSHA PEL:1800 MG/M3;500 PPM  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:METHYL ETHYL KETONE  
CAS:78-93-3  
RTECS #:EL6475000  
= Wt:13.  
OSHA PEL:590 MG/M3;200 PPM  
ACGIH TLV:590 MG/M3;200 PPM  
ACGIH STEL:885 MG/M3;300 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ACETONE  
CAS:67-64-1  
RTECS #:AL3150000  
= Wt:18.  
OSHA PEL:2400 MG/M3;1000 PPM  
ACGIH TLV:1780 MG/M3;750 PPM  
AC  
GIH STEL:2380 MG/M3;1000 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:POLYCHLOROPRENE  
CAS:9010-98-4  
RTECS #:EI9640000

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

Routes of Entry: Inhalation:YES Skin:UNKNOWN Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:NAUSEA AND/OR NARCOSIS. MAY CAUSE  
NERVE DAMAGE. MINOR EMDRYOTOXIC/FETOTOXIC EFFECTS HAVE BEEN  
OBSERVED IN LABORATORY RATE EXPOSED TO MEK BY I

**INHALATION AT LEVELS**

GREATER THAN 1000 PPM (5 TIMES THE OSH A PEL) FOR MOST OF THE GESTATION PERIOD. TARGET ORGANS: TOLUENE, BASED ON ANIMAL DATA, MAY CAUSE LIVER ABNORMALITIES, KIDNEY, LUNG & SPLEEN DAMAGE. IN HUMANS LIVER ABNORMALITIES. HEXANE MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS. MAY DAMAGE PERIPHERAL NERVE TISSUE. MEK, BASED ON ANIMAL DATA, MAY CAUSE LIVER ABNORMALITIES, KIDNEY, LUNG & BRAIN DAMAGE. TERATOGEN. ACETONE, BASED ON ANIMAL DATA. MAY CAUSE EYE OR KIDNEY

EYE DAMAGE.

Explanation of Carcinogenicity: THIS PRODUCT CONTAINS TOLUENE, A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE REPRODUCTIVE TOXICITY.

Effects of Overexposure: IRRITATION TO EYES AND MUCOUS MEMBRANES. DRY AND CRACKED SKIN. LIQUID INGESTION MAY RESULT IN VOMITING. CAN CAUSE SEVERE EYE BURNS. TINGLING AND WEAKNESS OF ARMS AND LEGS MAY OCCUR.

Medical Condition Aggravated by Exposure: RESPIRATORY AILMENTS.

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===== First Aid Measures =====  
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First Aid: UTILIZE THE SUGGESTED METHODS LISTED BELOW. IN EMERGENCY SITUATIONS NOTIFY A PHYSICIAN IMMEDIATELY. SKIN: WASH WITH SOAP AND WATER. REFER TO PHYSICIAN IF IRRITATION PERSISTS. EYES: FLUSH EYES ABUNDANTLY WITH CLEAN WATER AND REFER TO PHYSICIAN. INGESTION: DO NOT INDUCE VOMITING, REFER TO PHYSICIAN. INHALATION: REMOVE PATIENT TO FRESH AIR OR GIVE OXYGEN. USE CPR IF PATIENT IS NOT BREATHING. REFER TO PHYSICIAN.

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===== Fire Fighting Measures =====  
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Flash Point Method: TCC

Autoignition Temp: =260.C, 500.F

Lower Limits: 1.0%

Upper Limits: 12.8%

Extinguishing Media: CO2, FOAM, AND 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 A SOURCE OF IGNITION AND FLAS

HBACK.

===== 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: KEEP CONTAINERS TIGHTLY CLOSED AND STORE IN APPROVED SOLVENT STORAGE AREA. KEEP AWAY FROM OPEN FLAME, HEAT, SPARKS, HOT SURFACES AND OXIDIZING AGENTS.

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===== 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: LOCAL EXHAUST: REMOVE VAPORS DURING PROCESSING. MECHANICAL EXHAUST: EXPLOSION PROOF EQUIPMENT.  
Protective Gloves: 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: =55.6C, 132.F  
Vapor Pres: 116.6 AT 20DEG.  
Vapor Density: 2.64  
Spec Gravity: 0.828  
VOC Pounds/Gallon: 627  
VOC Grams/Liter: 5.25  
Appearance and Odor: OPAQUE, SWEET SOLVENTY PUNGENT ODOR.

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

St

ability Indicator/Materials to Avoid: YES

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

Hazardous Decomposition Products: OXIDES OF CARBON, MAGNESIUM, ZINC. HYDROGEN CHLORIDE.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

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

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vided with this information by the compiling agencies):

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