

RUBATEX CORP -- R-27705-1 CONTACT ADHESIVE -- 1560-01-061-8530

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

Product ID:R-27705-1 CONTACT ADHESIVE

MSDS Date:01/01/1999

FSC:1560

NIIN:01-061-8530

Status Code:A

MSDS Number: CJDSV

=== Responsible Party ===

Company Name:RUBATEX CORP

Address:906 ADAMS STREET

City:BEDFORD

State:VA

ZIP:24523-2168

Country:US

Info Phone Num:540-586-2611

Emergency Phone Num:800-378-409

1 EXT 4364

Resp. Party Other MSDS Num.:PRODUCT CODE 27705

Preparer's Name:CAROL N. BUSH

Chemtrec Ind/Phone:(800)424-9300

CAGE:1D2U1

=== Contractor Identification ===

Company Name:RUBATEX CORP

Address:906 ADAMS STREET

Box:City:BEDFORD

State:VA

ZIP:24523-2168

Country:US

Phone:540-586-2611

CAGE:1D2U1

Company Name:WINDING SPECIALISTS CO INC

Address:1225 WELLINGTON PL

Box:City:WICHITA

State:KS

ZIP:67203-3898

Country:US

Phone:316-265-9358

CAGE:30150

===== Composition/Information on Ingredient =====

ts =====

Ingred Name:TOLUENE
CAS:108-88-3
RTECS #:XS5250000
= Wt:16.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM
ACGIH TLV:188 MG/M3;50 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:N-HEXANE
CAS:110-54-3
RTECS #:MN9275000
= Wt:19.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:50 PPM
ACGIH TLV:50 PPM
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:CYCLOHEXANE
CAS:110-82-7
RTECS #:GU6300000
= Wt:1.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:300 PPM
ACGIH TLV:400 PPM
EPA R
pt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:2-METHYLPENTANE
CAS:107-83-5
RTECS #:SA2985000
= Wt:10.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM
ACGIH TLV:400 PPM

Ingred Name:3-METHYLPENTANE
CAS:96-14-0
= Wt:10.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM
ACGIH TLV:400 PPM

Ingred Name:MEK
CAS:78-93-3
RTECS #:EL6475000
= Wt:28.
Other REC Limits:NONE RECOMMENDED
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

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

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

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

Health Hazards Acute and Chronic:TARGET ORGANS: EYES, SKIN, CNS, BRAIN, LIVER, KIDNEYS, LUNG. ACUTE - MAY CAUSE SEVERE EYE IRRITATION, TEARING AND BLURRED VISION. SKIN CONTACT CAN DRY AND DEFAT SKIN CAUSING CRACKS, IRRITATION, AND DERMATITIS. CAN BE ABSORBED THROUGH SKIN.HARMFUL IF INGESTED.

ASPIRATION HAZARD. CAN CAUSE

GASTROINTESTINAL IRRITATION, VOMITING, AND DIARRHEA. CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS. INHALATION CAUSES IRRITATION, DIZZINESS, HEADACHE, BREATHING DIFFICULTY, AND LOSS OF COORDINATION. CHRONIC - MAY CAUSE LIVER, KIDNEYS EFFECTS, DERMATITIS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SEVERE IRRITATION, NAUSEA, VOMITING, TEARING, BLURRED VISION, DRY SKIN, HEADACHE, LOSS OF COORDINATION

N

Medical Conditions Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED CENTRAL NERVOUS SYSTEM, LIVER, KIDNEY OR RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. IF BREATHING IS DIFFICULT, OXYGEN MAY BE GIVEN BY QUALIFIED PERSONNEL. EYE

CONTACT:

IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. SKIN: WASH WITH SOAP AND PLENTY OF WATER. INGESTION: DO NOT INDUCE VOMITING. CAN CAUSE CHEMICAL PNEUMONITIS. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:=-28.9C, -20.F

Lower Limits:1.0 %

Upper Limits:11.0 %

Extinguishing Media:FOAM, CO2

, DRY CHEMICAL

Fire Fighting Procedures: RESPIRATORY EQUIPMENT SHOULD BE WORN TO AVOID INHALATION OF CONCENTRATED VAPORS. WATER SHOULD NOT BE USED EXCEPT AS FOG TO KEEP NEARBY CONTAINERS COOL.

Unusual Fire/Explosion Hazard: HANDLE AS FLAMMABLE LIQUID. VAPORS FORM AN EXPLOSIVE MIXTURE IN AIR BETWEEN THE UPPER AND LOWER LIMITS WHICH CAN BE IGNITED BY MANY SOURCES SUCH AS POCKET LIGHTS, OPEN FLAMES, ELECTRICAL MOTORS AND SWITCHES.

===== Accidental Release Measures

=====

Spill Release Procedures: WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. DO NOT WALK THROUGH SPILL; STOP SPILL IF POSSIBLE. USE A VAPOR SUPPRESSING FOAM TO REDUCE VAPORS. CONTAIN AND PICK UP WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND, VERMICULITE. GROUND ALL HANDLING EQUIPMENTS. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS, CONFINED SPACES.

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

Handling and Storage

Precautions: STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM IGNITION SOURCES, AND INCOMPATIBLES. KEEP CONTAINER CLOSED WHEN NOT IN USE.

Other Precautions: AVOID BREATHING VAPORS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. REMOVE CONTAMINATED CLOTHING PROMPTLY. LAUNDRY BEFORE REUSE. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection: NON

RE NORMALLY REQUIRED. IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR OR AIR-PURIFYING RESPIRATOR. IN EMERGENCY OR CONFINED SPACES, WEAR A NIOSH-APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS OR A FRESH-AIR SUPPLYING RESPIRATOR..

Ventilation: MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves: RUBBER

Eye Protection: CHEMICAL SAFETY GLASSES OR GOGGLES

OGGLES OR FACE SHIELD

Other Protective Equipment:EYE BATH, WASHING FACILITY, EMERGENCY
SHOWER, LAB COAT OR UNIFORM. THE USE OF HEAD CAPS WHENEVER POSSIBLE
IS STRONGLY RECOMMENDED.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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

HCC:F2

Boiling Pt:=61.1C, 142.F

B.P. Text:142 TO 231 DEG F

Vapor Density:> AIR

Spec Gravity:0.8 (H2O=1)

Evaporat

ion Rate & Reference:SLOWER THAN ETHER

Solubility in Water:NO

Appearance and Odor:BLACK AND OFFENSIVE

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONG ALKALIES

Stability Condition to Avoid:EXCESSIVE HEAT, POOR VENTILATION,
CORROSIVE ATMOSPHERE, EXCESSIVE AGING, SPARKS, OPEN FLAMES, HOT
SURFACES, STATIC ELECTRICITY AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products

:MAY FORM CARBON MONOXIDE, CARBON

DIOXIDE, NITROGEN OXIDES AND POSSIBLE ACROLEIN.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. DISPOSE OF IN AN APPROVED HAZARDOUS WASTE
LANDFILLS, OR AN APPROVED INCINERATOR OR CONTRACT WITH A LICENSED
WASTE DISPOSAL SERVICE. RECYCLING, REUSING OR BURNING FOR
ENERGYRECOVERY IS RECOMMENDED.

Disclaimer (provided with this inform

ation by the compiling agencies):

This information is formulated for use 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.