

RUBATEX CORP SUB OF GREAT AMERICAN INDUSTRIES INC -- R-373 RUBBER INSUL. ADHESIVE --  
8040-00-550-8835

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

Product ID:R-373 RUBBER INSUL. ADHESIVE

MSDS Date:01/24/1990

FSC:8040

NIIN:00-550-8835

MSDS Number: BQGNN

=== Responsible Party ===

Company Name:RUBATEX CORP SUB OF GREAT AMERICAN INDUSTRIES INC

Address:605 ADAMS ST

Box:340

City:BEDFORD

State:VA

ZIP:24523

Countr

y:US

Info Phone Num:703-586-2611

Emergency Phone Num:804-846-5277

Preparer's Name:W.E. CREASY

CAGE:82942

=== Contractor Identification ===

Company Name:MDS ENGINEERING INC

Address:3030 MAIN ST

Box:UNKNOW

City:SAN DIEGO

State:CA

ZIP:92133-3731

Country:US

Phone:714-238-1468

CAGE:6N437

Company Name:RUBATEX CORP SUB OF GREAT AMERICAN INDUSTRIES INC

Address:605 ADAMS ST

Box:340

City:BEDFORD

State:VA

ZIP:24523

Country:US

CAGE:82942

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

Ingred Name:TOLUENE (VAPOR PRESSURE 22.0 MM HG @ 68F)  
CAS:108-88-3  
RTECS #:XS5250000  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:200 PPM/150 STEL  
ACGIH TLV:50 PPM; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:HEXANE (VAPOR PRESSURE 140.0 MM HG @ 68F)  
CAS:110-54-3  
RTECS #:MN9275000  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:500 PPM  
ACGIH TLV:50 PPM; 9293  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:ACETONE (VAPOR PRESSURE 186.0 MM HG @ 68F)  
CAS:67-64-1  
RTECS #:AL3150000  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1000PPM  
ACGIH TLV:750PPM/1000STEL;9293  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:VOC: 5.46 LB/GL (654 GR/LT)  
RTECS #:9999999VO  
Other REC Limits:NONE SPECIFIED

Ingred Name:METHYL PENTANE (VP = 320.0 @ 100F)  
CAS:107-83-5  
RTECS #:SA2995000  
Fraction by Wt: 5.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:500 PPM  
ACGIH TLV:400 PPM

Ingred Name:3-METHYL PENTANE (SARA 302) (CERCLA) (VP = 320.0 @ 100F)  
CAS:96-14-0  
RTECS #:TG0175000  
Fraction by Wt: 5.0%  
Other REC

Limits:NONE RECOMMENDED

OSHA PEL:500 PPM

ACGIH TLV:400 PPM

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALE: DIZZY/BREATHING  
DIFFICULTY/HEADACHES/LOSS OF COORDINATION. SKIN:  
DRY/DEFAT/CRACKS/IRRITATE/DERMATITIS. EYE: SEVERE  
IRRITATE/TEAR/RED/BLURRED VISION. INGEST: GASTROINTESTINAL  
IRRITATE/VOMIT/NAUSEA/DIARRH

EA.

Effects of Overexposure:INHALE: DIZZY/BREATHING  
DIFFICULTY/HEADACHE/LOSS OF COORDINATION. SKIN:  
DRY/DEFAT/CRACKS/IRRITATE/DERMATITIS. EYE: SEVERE  
IRRITATE/TEAR/RED/BLURRED VISION. INGEST: GASTROINTESTINAL  
IRRITATE/VOMIT/NAUSEA/DIARRHEA.

Medical Cond Aggravated by Exposure:ANESTHESIA, RESPIRATORY TRACT  
IRRITATION,DERMATITIS, NAUSEA, VOMITING.

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

First Aid:INHALE: MOVE TO FRESH AIR. IF BREATHING STOPS, APPL

Y

ARTIFICIAL RESPIRATION, GET IMMEDIATE MEDICAL AID. EYE: FLUSH  
W/WATER 15 MIN. SKIN: WASH W/SOAP/WATER, SEE DR. INGESTION: DO NOT  
INDUCE VOMITING. CAN CAUSE CHEMICAL PNEUMONITIS EDEMA. CONTACT  
PHYSICIAN IMMEDIATELY.

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

Flash Point Method:CC

Flash Point:-14F,-26C

Lower Limits:1.0

Extinguishing Media:FOAM, CARBON DIOXIDE, DRY CHEMICAL

Fire Fighting Procedures:RESPIRATORY EQUIPMENT WORN TO AVOID INHALATION  
OF

CONCENTRATED VAPORS. WATER NOT USED EXCEPT AS FOG TO COOL NEARBY  
CONTAINERS.

Unusual Fire/Explosion Hazard:HANDLE AS FLAMMABLE LIQUID. VAPORS FORM  
EXPLOSIVE MIX IN AIR-IGNITED BY MANY SOURCES-PILOT LIGHTS/OPEN  
FLAMES/ELECTRICAL MOTORS/SWITCHES.

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

Spill Release Procedures:ELIMINATE IGNITION SOURCES, PROVIDE GOOD  
VENTILATION, DIKE SPILL AREA AND USE ABSORBENT MATERIAL TO CLEANUP.

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===== Handling an

d Storage =====

Handling and Storage Precautions:NON-SPARKING UTENSILS WHEN HANDLING.  
AVOID HOT METAL SURFACES. COOL WELL-VENTED AREAS. CONTAINERS  
CLOSED-NOT IN USE. NO EXCESSIVE HEAT/OPEN FLAME.

Other Precautions:NO SMOKING. TOOLS USED WITH THIS MATERIAL SHOULD BE  
MADE OF ALUMINUM, BRASS, COPPER. PLASTIC UTENSILS SHOULD NOT BE  
USED.

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

Respiratory Protection:SPRAY: NIOSH APPROVED CARTRIDGE RESP  
IRATOR/GAS

MASK SUITABLE TO KEEP AIRBORNE MISTS/CONCENTRATIONS BELOW TWA  
LIMIT. WHEN USING IN POORLY VENTILATED/CONFINED SPACES USE A  
FRESH-AIR SUPPLYING RESPIRATOR /SELF-CONTAINED BREATHING APPARATUS.

Ventilation:GENERAL MECHANICAL VENTILATION/LOCAL EXHAUST SUITABLE TO  
KEEP VAPOR CONCENTRATIONS BELOW TLV. EXPLOSION-PROOF EQUIPMENT.

Protective Gloves:IMPERMEABLE CHEMICAL GLOVES

Eye Protection:CHEMICAL SAFETY GOGGLES/FACESHIELDS

Other Protective Equipment:IMPERMEABLE APRONS/PROTEC  
TIVE

CLOTHING/HEADCAPS

Work Hygienic Practices:EYE WASHES AND SAFETY SHOWERS IN THE WORKPLACE  
IS RECOMMENDED.

Supplemental Safety and Health

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

HCC:F2

Boiling Pt:B.P. Text:132 TO 231F

Vapor Pres:>AIR

Spec Gravity:0.8 (WATER=1)

Evaporation Rate & Reference:SLOWER THAN ETHER

Solubility in Water:NO

Appearance and Odor:BLUE, OFFENSIVE

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

Stability Indicat

or/Materials to Avoid: YES

ALKALINE MATERIALS, STRONG ACIDS AND OXIDIZING MATERIALS.

Stability Condition to Avoid: EXCESSIVE HEAT, POOR VENTILATION,  
CORROSIVE ATMOSPHERES, EXCESSIVE AGING.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE,  
OXIDES OF NITROGEN AND POSSIBLE ACROLEIN.

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

Waste Disposal Methods: COLLECT ABSORBENT/SPILLED LIQUID MIXTURE AND  
PLACE INTO METAL CONTAINERS. CONSULT LOCAL, STATE AND F  
EDERAL  
HAZARDOUS WASTE REGULATIONS BEFORE DISPOSING INTO APPROVED  
HAZARDOUS WASTE LANDFILLS. OBEY RELEVANT LAWS.

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