

RANBAR ELECTRICAL MATERIALS INC -- B-534-1-66 RULE 66 INSULATING VARNISH --
5970-01-439-5298

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

Product ID:B-534-1-66 RULE 66 INSULATING VARNISH
MSDS Date:11/01/2000
FSC:5970
NIIN:01-439-5298
MSDS Number: CKWKM
=== Responsible Party ===
Company Name:RANBAR ELECTRICAL MATERIALS INC
Address:RT 993
Box:607
City:MANOR
State:PA
ZIP:15665
Country:US
Info Phone Num:724-86
4-8200
Emergency Phone Num:800-424-9300
Chemtrec Ind/Phone:(800)424-9300
CAGE:1PP28

=== Contractor Identification ===

Company Name:RANBAR ELECTRICAL MATERIALS INC
Address:RT 993
Box:607
City:MANOR
State:PA
ZIP:15665
Country:US
Phone:724-864-8200
Contract Num:SP0430-01-M-H345
CAGE:1PP28
Company Name:RANBAR ELECTRICAL MATERIALS INC
Address:RT 993
Box:607
City:MANOR
State:PA
ZIP:15665
Country:US
Phone:724-864-8200
Contract Num:SP0430-02-M-Q098
CAGE:1PP28

===== Composition/Information on I

ngredients =====

Ingred Name:2-PROPOXYETHANOL
CAS:2807-30-9
RTECS #:KM2800000
Minumum % Wt:10.
Maxumum % Wt:15.
OSHA PEL:NOT AVAILABLE
ACGIH TLV:NOT AVAILABLE

Ingred Name:XYLENES
CAS:1330-20-7
RTECS #:ZE2100000
Minumum % Wt:.1
Maxumum % Wt:1.
ACGIH TLV:TWA: 100 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYLBENZENE
CAS:100-41-4
RTECS #:DA0700000
Minumum % Wt:.1
Maxumum % Wt:1.
OSHA PEL:435 CEIL: 545 MG/M3
ACGIH TLV:100 CEIL:125 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:100
0 LBS

Ingred Name:V.M. & P. NAPHTHA (ALIPHATIC PETROLEUM DISTILLATES)
CAS:64742-89-8
Minumum % Wt:20.
Maxumum % Wt:30.
OSHA PEL:100 PPM
ACGIH TLV:100 PPM

Ingred Name:METHYL ISOBUTYL KETONE
CAS:108-10-1
RTECS #:SA9275000
Minumum % Wt:.1
Maxumum % Wt:1.
OSHA PEL:100CEIL:125 PPM
ACGIH TLV:410 CEIL: 510 MG/M3
ACGIH STEL:307 MG/M3;75 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:1-BUTANOL
CAS:71-36-3
RTECS #:EO1400000
Minumum % Wt:1.
Maxumum % Wt:5.
OSHA PEL:100 PPM; 300 MG/M3
ACGIH T

LV:50 PPM (SKIN)
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:FORMALDEHYDE
CAS:50-00-0
RTECS #:LP8925000
Minumum % Wt:.1
Maxumum % Wt:1.
OSHA PEL:0.3 PPM
ACGIH STEL:.3 PPM
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:HCS CLASS: TARGET ORGAN EFFECTS.
ACUTE: HAZARDOUS IN CASE
OF SKIN CONTACT(IRRITANT), OF EYE
CONTACT(IRRITANT), OF INGESTION, OF INHALTION. SLIGHTLY DANGEROUS
IN CASE OF SKIN CONTACT(PERMEATOR). CHRONI C: HAZARDOUS IN CASE OF
SKIN CONTACT(IRRITANT), OF EYE CONTACT(IRRITANT), OF INGESTION, OF
INHALTION.
Explanation of Carcinogenicity:CLASSIFIED 4(NONE) BY IARC, NONE BY NTP,
NONE BY OSHA [V.M.&P. NAPHTHA (ALIPHATIC PETROLEUM DISTILLATES)].
CLASSIFIED D(NOT CLASSIFIABLE FOR HUMAN OR ANIMAL.) BY EPA
[1-BUTANOL]. CLASSIFIED+(PROVE
N) B Y OSHA [FORMALDEHYDE].
CLASSIFIED A2(SUSPECT FOR HUMAN) BY ACGIH, 2A(PROBABLE FOR HUMAN)
BY IARC, 2(REASONABLY ANTICIPATED) BY NTP[FORMALDEHYDE].
Effects of Overexposure:OTHER TOXIC EFFECTS ON HUMANS: HAZARDOUS IN
CASE OF SKIN CONTACT (IRRITANT), OF EYE CONTACT (IRRITANT), OF
INGESTION, OF INHALATION. SLIGHTLY DANGEROUS TO DANGEROUS IN CASE
OF SKIN CONTACT (PERMEATOR) .

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

First Aid:EYE-CHECK FOR & REMOV

E CONTACT LENSES. IMMEDIATELY FLUSH WITH RUNNING WATER FOR 15 MINS, KEEP EYELIDS OPEN. CAN USE COLD WATER. DON'T USE EYE OINTMENTS. SEEK MEDICAL AID. SKIN-IMMEDIATELY WASH WITH P LENTY OF WATER. GENTLY & THOROUGHLY WASH SKIN WITH RUNNING WATER & NON-ABRASIVE SOAP. BE CAREFUL TO CLEAN FOLDS, CREVICES, CREASES & GROIN. CAN USE COLD WATER. COVER SKIN WITH AN EMOLIENT. IF IRRITATI ON PERSISTS, SEEK MEDICAL AID. INHALTION-ALLOW VICTIM TO REST IN WELL VENTED AREA. SEEK IMM EDIATE MEDICAL AID. INGESTION-DO NOT INDUCE VOMITING. LOOSEN TIGHT CLOTHES. IF BREATHING PERFORM MOUTH-TO-MOU TH RESUSCITATION. SEEK MEDICAL AID.

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

Flash Point Method:CC
Flash Point:=10.C, 50.F
TAGLIABUE
Autoignition Temp:=232.C, 449.6F
Autoignition Temp Text:VM&P N
Lower Limits:1.26%
Upper Limits:15.8%
Extinguishing Media:SMALL-DRY CHEMICAL, CO2, ALCOHOL FOAM OR WATER SPRAY. LARGE: ALCOHOL FOAM, WATER SPRAY OR FOG.
Fire Fighting Procedures:FLAMMABLE LIQUID, SOLUBLE OR DISPERSED IN WATER. LARGE FIRE-USE ALCOHOL FOAM, WATER SPRAY OR FOG. COOL CONTAINING VESSEL WITH WATER JET IN ORDER TO PREVENT PRESSURE BUILD-UP, AUTOIGNITION OR EXPLOSIO N. CONTAINER EXPLOSION MAY OCCUR UNDER FIRE CONDITIONS OR WHEN HEATED. (VM&P NAPHTHA (ALIPHATIC PETROLEUM DISTILLATES))
Unusual Fire/Explosion Hazard:EXTREMELY FLAMMABLE IN PRESENCE OF OPEN FLAMES & SPARKS. FLAMMABLE IN PRESENCE OF HEAT, OXIDIZI NG MATERIALS, OF COMBUSTIBLE MATERIALS. SLIGHTLY FLAMMABLE TO FLAMMABLE IN PRESENCE OF REDUCING MATERIALS .

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

Spill Release Procedures:LARGE-KEEP AWAY FROM HEAT & SOURCE OF IGNITION. STOP LEAK IF WITHOUT RISK. ABSORB WITH DRY EARTH, SAND, OTHER NONCOMBUSTIBLE MATERIAL. DO NOT TOUCH SPILLED MATERIAL. PREVENT ENTRY TO SEWER, BASEMENT O R CONFINED AREAS. ELIMINATE SOURCE OF IGNITION. BE CAREFUL THAT PRODUCT

IS NOT PRESENT AT A
CONCENTRATION LEVEL ABOVE TLV. CHECK TLV ON MSDS & WITH LOCAL
AUTHORITIES. "SEE PRECAUTION FOR SMALL SPILL"

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

Handling and Storage Precautions:FLAMMABLE MATERIALS SHOULD BE STORED
IN SEPARATE STORAGE CABINET OR ROOM. KEEP AWAY FROM HEAT & SOURCES
OF IGNITION. KEEP CONTAINER TIGHTLY CLOSED. KEEP IN COOL,
WELL-VENTILATED PLACE. GROUND EQUIPMENT CONTAINING MATERIAL. A
REFRIGERATED ROOM
WOULD BE PREFERABLE FOR MATERIALS WITH FLASHPOINT