

MINNESOTA MINING & MFG CO ELECTRICAL PRODUCTS,(3M) -- SCOTCHCAST BRAND 4  
ELECTRICAL INSULATING RESIN, PART B -- 5970-00-814-1788

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

Product ID:SCOTCHCAST BRAND 4 ELECTRICAL INSULATING RESIN, PART B

MSDS Date:06/01/1989

FSC:5970

NIIN:00-814-1788

Status Code:A

Kit Part:Y

MSDS Number: CKXMB

=== Responsible Party ===

Company Name:MINNESOTA MINING & MFG CO ELECTRICAL PRO  
DUCTS,(3M)

Address:3M AUSTIN CTR

Box:2963

City:AUSTIN

State:TX

ZIP:78769-2963

Country:US

Info Phone Num:512-984-5670

Emergency Phone Num:612-733-1110

Resp. Party Other MSDS Num.:10-2577-4

CAGE:75037

=== Contractor Identification ===

Company Name:MINNESOTA MINING AND MFG CO, DBA 3M

Address:3M CENTER BLDG 224-5S-04

Box:City:SAINT PAUL

State:MN

ZIP:55144-1000

Country:US

Phone:866-556 5712 / 612-733-1110

CAGE:76381

Company Name:MINNESOTA MINING AND MFG CO ELECTRICAL PRODUCTS DIV

Address:3M AUSTIN C

TR

Box:City:AUSTIN

State:TX

ZIP:78769-2963

Country:US

Phone:512-984-1800

CAGE:75037

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

Ingred Name:NONYLPHENOL

CAS:25154-52-3

RTECS #:SM5600000

Minumum % Wt:35.

Maxumum % Wt:45.

OSHA PEL:NONE

ACGIH TLV:NONE

Ingred Name:EPOXY RESIN

CAS:70776-37-3

Minumum % Wt:25.

Maxumum % Wt:35.

-AMINOE PIPERAZINE  
CAS:140-31-8  
RTECS #:TK8050000  
Minumum % Wt:10.  
Maxumum % Wt:13.  
OSHA PEL:NONE  
ACGIH TLV:NONE

Ingred Name:AROMATIC HYDROCARBONS  
CAS:70955-17-8  
Minumum % Wt:3.  
Maxumum % Wt:5.  
OSHA PEL:NONE  
ACGIH TLV:NONE

Ingred Name:2,4,6-TRIS(DIMETHYLAMINOMETHYL.)PHENOL  
CAS:90-72-2  
RTECS #:SN3500000  
Minumum % Wt:2.  
Maxumum % Wt:5.  
Other REC Limits:5 PPM-YWA (CMRG)

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

LD50 LC50 Mixture:LD50 ALBINO RAT BETWEEN 2500MG-5000MG.K  
G

Health Hazards Acute and Chronic:EYE: IRRITATING TO EYES ON DIRECT CONTACT WITH MIXTURE OF PART A AND PART B OR EITHER PART SEPERATELY. SKIN: IRRITATING ON DIRECT CONTACT. (MIXTURE OF PART A AND PART B: IRRITATING TO SKIN OF ALB INO RABBIT AFTER 24 HOUR OCCLUDED CONTACT.) MAY CAUSE SKIN SENSITIZATION IN SUCCEPTIBLE INDIVIDUALS. INHALATION: VAPORS MAY BE IRRITATING TO RESPIRATORY SYSTEM. INGESTION: PART A IS PRACTICALLY NON-TOXIC ORALLY.

Explanation of Carcino

genicity:IARC STATES THE DATA AVAILABLE ON CARBON

BLACKS ARE INADEQUATE TO PERMIT AN EVALUATION OF THEIR CARCINOGENICITY TO EXPERMIMENTAL ANIMALS. THERE IS SUFFICIENT EVIDENCE THAT BENZENE EXTRACTS OF MOST OF THE CARBON BLACKS TESTED ARE CARCINOGENIC TO EXPERMIMENTAL ANIMALS.

Effects of Overexposure:IRRITATING TO EYES AND SKIN ON DIRECT CONTACT.  
IRRITATING TO RESPIRATORY SYSTEM

Medical Cond Aggravated by Exposure:NO DATA PROVIDED BY MANUFACTURER.

=====

== First Aid Measures =====

First Aid:EYE: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER AND CONTINUE FOR AT LEAST TEN MINUTES. CALL PHYSICIAN. SKIN: WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. INHALATION: PROVIDE FRESH AIR; I F COUGHING, WHEEZING OR SHORTNESS OF BREATH DEVELOPS, CALL A PHYSICIAN. IF SWALLOWED, GIVE ONE TO TWO GALASSES OF WATER IMMEDIATELY AND IMMEDIATELY INDUCE VOMITING. CALL PHYSICIAN.

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

Flash Point Method:CC  
Flash Point:>110.C, 230.F  
Autoignition Temp:Autoignition Temp Text:N/D  
Lower Limits:N/D  
Upper Limits:N/D  
Extinguishing Media:CARBON DIOXIDE, FOAM, DRY CHEMICAL.  
Fire Fighting Procedures:FIREFIGHTERS SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:PART A OR PART B: OBSERVE PRECAUTIONARY INFORMATION FROM OTHER SECTIONS. USE ABSORBENT MATERIAL AS NEEDED AND SWEEP UP. MIXTURE OF PART A AND PART B: OBSERVE PRECAUTIONARY INFORMATION FROM OTHER SECTIONS. CLEAN UP SPILL.  
Neutralizing Agent:NO DATA PROVIDED BY MANUFACTURER.

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

Handling and Storage Precautions:USE ONLY IN WELL VENTILATED AREAS WITH SUFFICIENT AIR MOVEMENT TO MAINTAIN AIRBORNE VAPOR CONCENTRATION LEVELS AT RECOGNIZED HEALTH AND SAFETY LEVELS.  
Other Precautions:DO NOT GET INTO EYES; USE OF COMMERCIAL SAFETY GLASSES IS RECOMMENDED. AVOID SKIN CONTACT. AVOID PROLONGED BREATHING OF VAPORS. LAUNDER CONTAMINATED CLOTHING BEFORE RE-USE.

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

Respiratory Protection:NO DATA PROVIDED BY MANUFACTURER.  
Ventilation:USE ONLY IN WELL VENTILATED AREAS WITH SUFFICIENT AIR MOVEMENT TO MAINTAIN AIRBORNE VAPOR CONCENTRATION LEVELS AT RECOMMENDED LEVELS.  
Protective Gloves:NO DATA

PROVIDED BY MANUFACTURER.  
Eye Protection:CHEMICAL SAFETY GLASSES  
Other Protective Equipment:NO DATA PROVIDED BY MANUFACTURER.  
Work Hygienic Practices:LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.  
Supplemental Safety and Health  
DLA-HMIS NOTE: PART B OF TWO PART KIT. PART A IS DOD-HMIS SERIAL NUMBER CKXLZ.

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

HCC:V5  
Spec Gravity:0.98  
Viscosity:3500 CPS  
Solubility in Water:NIL  
Appearance and Odor:BLACK LIQUID, AMINE ODOR  
Percent  
Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES  
NONE  
Stability Condition to Avoid:NONE  
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE AND  
OXIDES OF NITROGEN  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:NO DATA PROVIDED BY MANUFACTURER.

===== Ecological Information =====  
=====

Ecological:NONE.

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

Waste Disposal Methods:PART A OR PART B: DISPOSE BY INCINERATION OR  
SEND FULLY ADSORBED MATERIAL FOR LANDFILL IN ACCORDANCE WITH LOCAL  
AND STATE REGULATIONS. MIXTURE OF PART A AND PART B: FULLY CURED  
MATERIAL MAY BE LANDFIL LED IN ACCORDANCE WITH LOCAL AND STATE  
REGULATIONS.

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

Transport Information:NO DATA PRO

VIDED BY MANUFACTURER.

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

SARA Title III Information:SARA HAZARD CLASS: FIRE: NO, PRESSURE: NO,  
REACTIVITY-NO, ACUTE: YES, CHRONIC: YES.  
Federal Regulatory Information:NO DATA PROVIDED BY MANUFACTURER.  
State Regulatory Information:NO DATA PROVIDED BY MANUFACTURER.

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

Disclaimer (provided with this information 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.