

MINNESOTA MINING & MFG CO ELECTRICAL PRODUCTS,(3M) -- SCOTCHCAST BRAND 4
ELECTRICAL INSULATING RESIN, PART B -- 5970-00-810-1513

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

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

MSDS Date:03/03/1999

FSC:5970

NIIN:00-810-1513

Status Code:A

Kit Part:Y

MSDS Number: CKXKD

=== 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:512-984-5670

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.

Other REC Limits:NONE RECOMMENDED

Ingred Name:AMINE/FATTY ACID ADDUCT

CAS:68919-79-9

Minumum % Wt:15.

Maxumum % Wt:20.

Other REC Limits:NONE RECOMMENDED

0
Minumum % Wt:13.
Maxumum % Wt:15.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:300 PPM
ACGIH TLV:300 PPM

Ingred Name:N-AMINOETHYLPIPERAZINE
CAS:140-31-8
RTECS #:TK8050000
Minumum % Wt:10.
Maxumum % Wt:13.
Other REC Limits:NONE RECOMMENDED

Ingred Name:AMINE/EPOXY RESIN ADDUCT
CAS:70776-37-3
Minumum % Wt:10.
Maxumum % Wt:15.
Other REC Limits:NONE RECOMMENDED

Ingred Name:AROMATIC HYDROCARBONS, C12-20
CAS:70955-17-8
Minumum % Wt:3.
Maxumum % Wt:5.
Other REC Limits:NONE RECOMMENDED

Ingred Name:2,
4,6-TRIS(DIMETHYLAMINO METHYL) PHENOL
CAS:90-72-2
RTECS #:SN3500000
Minumum % Wt:2.
Maxumum % Wt:5.
Other REC Limits:NONE RECOMMENDED

Ingred Name:CARBON BLACK
CAS:1333-86-4
RTECS #:FF5800000
Minumum % Wt:1.
Maxumum % Wt:3.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3; 9596

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinog

enicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:EYE CONTACT: CHEMICAL RELATED EYE BURNS (CHEMICAL CORROSIVITY). SKIN CONTACT: ALLERGIC SKIN REACTION. SKIN BURNS. MAY BE ABSORBED THROUGH THE SKIN AND PRODUCE EFFECTS SIMILAR TO THOSE CAUSED BY INHALATION AND/OR INGESTION. INHALATION: ALLERGIC RESPIRATORY REACTION. IRRITATION (UPPER RESPIRATORY). IF SWALLOWED: IRRITATION OF GASTROINTESTINAL TISSUES. BURNS OF THE ORAL TISSUES.

Explanation of Carcinogenic

ity:CONTAINS A CHEMICAL WHICH CAN CAUSE CANCER (CAS# 64742-1-6) (IARC HUMAN CACINOGEN 1 FOR UNTREATED AND MILDY TREATED AND IARC NOT CLASSIFIABLE AS TO CARCINOGENICITY TO HUMANS 3).

Effects of Overexposure:EYES:CLOUDY APPEARANCE OF THE CORNEA,CHEMICAL BURNS,PAIN,TEARING,ULCERS,IMPAIRED VISION OR LOSS OF VISION.ALLERGIC SKIN REACTION:REDNESS,SWELLING,BLISTERING,ITCHING.SKIN BURNS:REDNESS,SWELLING,BLISTERING,ULCERATION,SLOUGHING,SCAR FORMATION.INHALATION: ALLERGIC RESPIRATORY REACTION:DIFFICULTY BREATHING,WHEEZING,TIGHTNESS OF CHEST, RESPIRATORY FAILURE.IRRITATION (UPPER RESPIRATORY):SORENESS OF NOSE & THROAT,COUGHING & SNEEZING.SWALLOWED:IRRITATION OF GI TISSUES:PAIN,VOMITING,ABDOMINAL TENDERNESS,NAUSEA,BLOOD IN VOMITUS,BLOOD IN FECES.BURNS TO ORAL TISSUE:PAIN,BURNS OF TONGUE & INSIDES OF MOUTH,REDNESS, TISSUE LOSS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures

=====

First Aid:EYE CONTACT: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. SKIN CONTACT: IMMEDIATELY FLUSH WITH LOTS OF WATER FOR AT LEAST 15 MINUTES IN A CHEMICAL SAFETY SHOWER WHILE REMOVING CONTAMINATED CLOTHES & SHOES. GET IMMEDIATE MEDICAL ATTENTION. INHALATION: IF SIGNS/SYMPTOMS OCCUR, REMOVE PERSON FRESH AIR. IF SIGNS/SYMPTOMS OCCUR, CALL A PHYSICIAN. IF SWALLOWED: DO NOT INDUCE VOMITING

!

GIVE VICTIM 2 GLASSES WATER. CALL PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point Method:CC

Flash Point:>110.C, 230.F

Autoignition Temp:Autoignition Temp Text:ND

Lower Limits:ND

Upper Limits:ND

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING INCLUDING HELMET, SELF-CONTAINED POSITIVE PRESSURE OR PRESSURE DEMAN

D

BREATHING APPARATUS, BUNKER COAT, PANTS, BANDS AROUND ARMS, WAIST AND LEGS, FACE MASK, AND PROTECTIV E COVERING FOR EXPOSED AREAS OF HEAD.

Unusual Fire/Explosion Hazard:NO UNUSUAL FIRE OR EXPLOSION HAZARDS ARE ANTICIPATED. OSHA FIRE HAZARD CLASS IIIB COMBUSTIBLE LIQUID.

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

Spill Release Procedures:OBSERVE PRECAUTIONS FROM OTHER SECTIONS. COVER WITH ABSORBENT MATERIAL. COLLECT SPILLED MATERIAL. PLACE IN AN

APPROVED METAL CONTAINER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE AWAY FROM ACIDS. STORE AWAY FROM HEAT. KEEP OUT OF REACH OF CHILREN. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME AND OTHER IGNITION SOURCES.

Other Precautions:PREVENT ALL SOURCES OF IGNITION. COMBUSTIBLE LIQUID AND VAPOR. NO SMOKING WHILE HANDLING THIS MATERIAL.

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

Respiratory Protection:AVOID PROLONGED BREATHING OF VAPORS.

Ventilation:PROVIDE SUFFICIENT VENTILATION TO MAINTAIN EMISSIONS BELOW RECOMMENDED EXPOSURE LIMITS.

Protective Gloves:APPROPRIATE GLOVES

Eye Protection:VENTED GOGGLES, SAFETY GLASSES WITH SIDE SHIELDS

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH CONTAMINATED CLOTH BEFORE REUSE.WASH HANDS AFTER HANDLING, BEFORE EATING. AVOID EYE/SKIN CONTACT.

Supplemental Safety and Health

DLA-HMIS NOTE: PART B OF A TWO PART KIT. PART A IS DOD-HMIS SERIAL NUMBER CKXKF.

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

HCC:V5

Melt/Freeze Pt:M.P/F.P Text:N/D

Vapor Density:NA

Spec Gravity:0.98

pH:NA

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

Hazardous Decompo

sition Products:ALDEHYDES, HYDROCARBONS, IRRITATING
VAPORS & GASES.OXIDES OF NITROGEN, CARBON MONOXIDE, CARBON DIOXIDE.
OTHER SUBSTANCES THAT COULD BE GENERATED ARE ALKYLATED PHENOLS,
BENZENE, ALKYLATED AMINES, CRESOLS
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:NO DATA PROVIDED BY MANUFACTURER

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

Ecological:NO DATA
AVAILABLE.

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

Waste Disposal Methods:CURE PRODUCT ACCORDING TO PRODUCT INSTRUCTIONS.
INCINERATE UNCURED WASTE IN AN INDUSTRIAL OR COMMERCIAL
INCINERATOR. DISPOSE OF COMPLETELY CURED (OR POLYMERIZED) MATERIAL
IN A SANITARY LANDFILL.

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

Transport Information:NO DATA PROVIDED BY MANUFACTURER.

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

SARA Title III Information:EPCRA HAZARD CLASS: FIRE HAZARD: NO,
PRESSURE: NO, REACTIVITY: NO, ACUTE: YES, CHRONIC: YES.
Federal Regulatory Information:SINCE REGULATIONS VARY, CONSULT
APPLICABLEE REGULATIONS OR AUTHORITIES BEFORE DISPOSAL. U.S. EPA
HAZARDOUS WASTE NUMBER: NONE (NOT US EPA HAZARDOUS). VOLATILE
ORGANIC COMPOUNDS: N/D. VOC LESS H2O & EX EMPT SOLVENTS: N/D. NOTE:
THIS MATERIAL CONTAINS ONE OR MORE SUBSTANCES NOT LISTED ON THE
TSCA INVENTORY AND IS MAN
UFACTURED FOR EXPORT ONLY. WITHIN THE
UNITED STATES, IT MAY ONLY BE USED FOR R&D PURP OSES. ALL
INGRDIENTS LISTED ON TSCA, AICS, AND DSL INVENTORIES.
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.