

MINNESOTA MINING & MFG CO -- SCOTCHCAST BRAND 4 ELECTRICAL INSULATING RESIN PART B  
-- 5970-00-682-8999

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

Product ID:SCOTCHCAST BRAND 4 ELECTRICAL INSULATING RESIN PART B

MSDS Date:08/19/1992

FSC:5970

NIIN:00-682-8999

Kit Part:Y

MSDS Number: BVHDW

=== Responsible Party ===

Company Name:MINNESOTA MINING & MFG CO

Address:3M CTR 224-2S-25

City:ST. PAUL

State:MN

ZIP:551

44-1000

Country:US

Info Phone Num:612-733-1110

Emergency Phone Num:612-733-1110

CAGE:76381

=== 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

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

Ingred Name:NONYLPHENOL

CAS:25154-52-3

RTECS #:SM5600000

Fraction by Wt: 35-40%

Other REC Limits:NONE RECOMMENDED

Ingred

Name:AMINE/EPOXY RESIN ADDUCT  
CAS:70776-37-3  
Fraction by Wt: 25-35%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:EXTRACTS, HEAVY NAPHTHENIC DISTILLATE SOLVENT  
CAS:64742-11-6  
RTECS #:PY8042000  
Fraction by Wt: 13-16%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:300 PPM  
ACGIH TLV:300 PPM

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

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

Ingred Name:TRIS(2,4,6-DIMETHYLAMINOMONOMETHYL)PHENOL  
CAS:90-72-2  
RTECS #:SN3500000  
Fraction by Wt: 2-5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:CARBON BLACK  
CAS:1333-86-4  
RTECS #:FF5800000  
Fraction by Wt: 0.1-1.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:3.5 MG/M3  
ACGIH TLV:3.5 MG/M3; 9394

===== 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:ACUTE: MAY IRRITATE SKIN, EYES, OR RESPIRATORY SYSTEM. INGESTION MAY CAUSE GI TRACT IRRITATION. INHALATION AND INGESTION MAY CAUSE (UNLIKELY) KIDNEY/LIVER/CNS EFFECTS. CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN SENSITIZATION.

Explanation of Carcinogenicity:CARBON BLACK IS LISTED BY IARC (3) AS HAVING INSUFFICIENT DATA/UNCLASSIFIABLE TO CARCINOGENICITY.

Effects of Overexposure:INHALED/INGESTED: BLOOD IN URINE, BACK PAIN,

YELLOW SKIN, TENDERNESS OF UPPER ABDOMEN, EMOTIONAL CHANGES, LOSS OF COORDINATION, TREMORS AND SENSORY LOSS. INHALATION: COUGHING, WHEEZING, SHORTNESS OF BREATH. EYES: REDNESS, TEARING, ITCHING.SKIN: REDNESS, RASH, ITCHING.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE: FLUSH EYE 15 MINUTES WITH PLENTY OF WATER. SKIN: WASH SOAP & WATER. INHALED: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION OR OXYGEN AS REQUIRED. INGESTED: IF CONSCIOUS GIVE TWO GLASSES WATER, INDUCE VOMITING. CALL PHYSICIAN IMMEDIATELY ALL CASES IF SYMPTOMS PERSIST.

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

Flash Point Method:PMCC  
Flash Point:230F,110C  
Extinguishing Media:CARBON DIOXIDE,FOAM,DRY CHEMICALS  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.  
Unusual Fire/Explosion Hazard:NO UNUSUAL FIRE OR EXPOSITION HAZARDS ARE ANTICIPATED.

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

Spill Release Procedures:ABSORB SPILL WITH ABSORBENT, PLACE IN CLOSABLE CONTAINER FOR DISPOSAL.  
Neutralizing Agent:NONE

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

Handling and Storage Precautions:USE ONLY IN WELL VENTILATED AREAS. STORE IN A COOL, DRY PLACE.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

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Respiratory Protection:NONE SPECIFIED BY MANUFACTURER. NONE NORMALLY REQUIRED. IF REGULATORY LIMITS EXCEEDED; USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:NONE NORMALLY REQUIRED.

Eye Protection:SAFETY GLASSES

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

PART B OF TWO-PART A/B KIT. UPDATE PER 3M MSDS DOC #00-617-3082 DATED 19AUG1992. KEY1: N1.

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

HCC:N1

Spec Gravity:0.98

Viscosity:3500 CPS

Solubility in Water:NEGLIGIBLE

Appearance and Odor:BLACK LIQUID; AMINE ODOR

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES

NOT APPLICABLE.

Stability

Condition to Avoid:NOT APPLICABLE.

Hazardous Decomposition Products:OXIDES OF CARBON AND NITROGEN

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

Waste Disposal Methods:INCINERATE OR BURY IN SECURE LANDFILL IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS.

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