

MINNESOTA MINING AND MFG CO -- 3M BRAND EC-776 FUEL RESISTANT COATING --  
8040-00-664-0439

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

Product ID:3M BRAND EC-776 FUEL RESISTANT COATING

MSDS Date:07/27/1986

FSC:8040

NIIN:00-664-0439

MSDS Number: BVZGW

=== Responsible Party ===

Company Name:MINNESOTA MINING AND MFG CO

Address:3M CTR 224-2S-25

City:ST. PAUL

State:MN

ZIP:55144-1000

Country:US

Info Phone Num:61

2-733-1341/612-733-1110

Emergency Phone Num:612-733-1341

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:ACRYLONITRILE BUTADIENE RUBBER

Other REC Limits:NONE RECOMMENDED

Ingred Name:PHENOL FORMALDEHYDE RESIN

Other REC Limits:NONE RECOMM

ENDED

Ingred Name:METHYL ISOBUTYL KETONE (HEXONE) (SARA III)

CAS:108-10-1

RTECS #:SA9275000

Fraction by Wt: 61%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

ACGIH TLV:50 PPM/75 STEL; 9394

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL ALCOHOL (ETHANOL)

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt: 7%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9394

tion by Wt: 6%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:200 PPM  
ACGIH TLV:200 PPM/300STEL;9394  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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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:EYE-LIQUID & VAPOR MAY CAUSE SEVERE  
EYE IRRITATION. SKIN-MAY CAUSE IRRITATION ON PROLONGED OR REPEATED  
CONTACT. INHALATION-VAPOR OVEREXPOSURE MAY CAUSE RESPIRATORY SYSTEM  
IRRITATION & LIGHTHEADEDNESS. INGESTION-MAY CAUSE DIGESTIVE SYSTEM  
IRRITATION AND LIGHTHEADEDNESS.  
Explanation of Carcinogenicity:METHYL ETHYL KETONE IS A POTENTIAL  
EMBRYO/FATOTOXIN BASED ON LABORATORY ANIMAL STUDIES.  
Effects of Overexposure:EYE--EDEMA, REDNESS, TEARING, BURNING SENSATION  
AND BLURRED VISION. SKIN-MAY PRODUCE ROUGH, RED, DRY SKIN WITH  
PROLONGED EXPOSURE. INHALATION-HEADACHE, DIZZINESS, WEAKNESS,  
FATIGUE AND ON EXTREME OVER  
EXPOSURE UNCONSCIOUSNESS.  
INGESTION-NAUSEA & VOMITING. SOLVENT ASPIRATED INTO THE LUNGS MAY  
CAUSE DAMAGE OR DEATH.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 10  
MINUTES. CALL A PHYSICIAN. SKIN: WASH WITH SOAP AND WATER.  
INHALATION: MOVE PERSON TO FRESH AIR AT ONCE. RESTORE OR SUPPORT  
BREATHING AS NEEDED. IF BREATHING DIFFICULTIES PERSISTS, CALL A  
PHYSICIAN. SWALLOWED: DO NOT INDUCE VOMITING. GIVE 2 GLASSES OF  
WATER & CALL A PHYSICIAN IMMEDIATELY. IF VOMITING OCCURS LOWER  
PERSONS HEAD BELOW HIPS.

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

Flash Point Method:SCC  
Flash Point:50.0F,10.0C  
Autoignition Temp:Autoignition Temp Text:N/D  
Lower Limits:1.4  
Upper Limits:19.0  
Extinguishing Media:CARBON DIOXIDE, FOAM, DRY CHEMICALS.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD BE EQUI

PPED WITH  
SELF-CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES INVOLVING  
THIS MATERIAL.

Unusual Fire/Explosion Hazard:FLAMMABLE. OVERHEATED, CLOSED CONTAINERS  
ADJACENT TO FIRE COULD EXPLODE DUE TO INTERNAL PRESSURE BUILDUP.

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

Spill Release Procedures:OBSERVE PRECAUTIONS IN ALL SECTIONS.  
EXTINGUISH ALL IGNITION SOURCES, COLLECT SPILLED MATERIAL, CLEANUP  
RESIDUE AND STORE IN CLOSED METAL CONTAINER (U.S. DOT A  
PPROVED IF  
SHIPPING).

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED WHEN NOT IN USE.  
KEEP OUT OF THE REACH OF CHILDREN. KEEP AWAY FROM HEAT, SPARKS &  
FLAMES.

Other Precautions:USE ONLY IN AREAS WITH SUFFICIENT VENTILATION TO  
PREVENT ODOR BUILDUP. PREVENT EYE CONTACT; WEAR CHEMICAL GOGGLES.  
AVOID SKIN CONTACT; WEAR IMPERVIOUS GLOVES. AVOID PROLONGED  
BREATHING OF VAPORS.

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

Respiratory Protection:AVOID PROLONGED BREATHING OF VAPORS.  
Ventilation:USE ONLY IN AREAS ADEQUATELY VENTILATED WITH ENOUGH AIR  
MOVEMENT TO REMOVE AND PREVENT VAPOR BUILDUP.  
Protective Gloves:IMPERVIOUS GLOVES.  
Eye Protection:CHEMICAL GOGGLES.  
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.  
Work Hygienic Practices:WASH HANDS AFTER USE.  
Supplemental Safety and Health  
NONE.

===== Physical/Chemical Properties =====  
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HCC:F3  
Boiling Pt:B.P. Text:164F,73C  
Melt/Freeze Pt:M.P/F.P Text:N/D  
Vapor Pres:42.10  
Vapor Density:3.0  
Spec Gravity:0.86  
Viscosity:950 CST  
Evaporation Rate & Reference:>5.0 ETHER=1  
Solubility in Water:INSOLUBLE  
Appearance and Odor:TRANSPARENT AMBER, THIN LIQUID--CHARACTERSITIC  
KETONE ODOR.  
Percent Volatiles by Volume:74

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

Stability Indicator/Materials to Avoid:YES  
Hazardous Decomposition Products:CO, CO2, ANS SMOK

E PARTICLES WHEN  
SUBJECTED TO EXCESSIVE HEAT OR FLAME.

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

Waste Disposal Methods:COMMERCIAL INCINERATION WITH DESTRUCTION AND  
REMOVAL EFFEICIENCY GREATER THAN 99.99% OR RECLAMATION IS  
PREFERRED. OTHERWISE, DISPOSE IN ACCORDANCE WITH APPLICABLE  
REGULATIONS. U.S. EPA HAZARDOUS WASTE NUMBER: D001 IGNITABLE.

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