

3M COMPANY ADHESIVES, COATINGS, SEALERS DIVISION -- 3M EC-776 FUEL RESISTANT COATING -- 8040-00-597-9723

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

Product ID:3M EC-776 FUEL RESISTANT COATING

MSDS Date:06/30/1987

FSC:8040

NIIN:00-597-9723

MSDS Number: BFHDL

=== Responsible Party ===

Company Name:3M COMPANY ADHESIVES, COATINGS, SEALERS DIVISION

Address:3M CENTER

City:ST PAUL

State:MN

ZIP:55144-1000

Countr

y:US

Info Phone Num:SAME

Emergency Phone Num:612-733-1110

CAGE:04963

=== Contractor Identification ===

Company Name:3M MINNESOTA MINING AND MFG CO ADHESIVES SEALERS DIV

Address:3M CTR

Box:City:SAINT PAUL

State:MN

ZIP:55144-1000

Country:US

Phone:800-364-3577/651-737-6501(24 HOURS)

CAGE:04963

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

Ingred Name:ACRYLONITRILE/BUTADIENE RUBBER

Fraction by Wt:

Other REC Limits:NK

OSHA PEL:

ACGIH TLV:

Ingred Name:PHENOL-FORMALDEHYDE RE

SIN
Fraction by Wt:
Other REC Limits:
OSHA PEL:
ACGIH TLV:

Ingred Name:METHYL ISOBUTYL KETONE (SARA III)
CAS:108-10-1
RTECS #:SA9275000
Fraction by Wt: 61%
Other REC Limits:N/K
OSHA PEL:100 PPM/75 STEL
ACGIH TLV:50 PPM/75 STEL; 9293
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:N/K
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM; 9192

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)
CAS:78
-93-3
RTECS #:EL6475000
Fraction by Wt: 6%
Other REC Limits:N/K
OSHA PEL:200 PPM/300 STEL
ACGIH TLV:200 PPM/300STEL 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Explanation of Carcinogenicity:NIOAH:FORMALDEHYDE AS A POTENTIAL
OCCUPATIONAL CARC.NIOSH CURRENT INTELLIGENCE BULLETIN 34.APRIL 15
1981
Effects of Overexposure:EYE:SEVERE IRRITATION.EDEMA REDNESS,TEARING

BURN SENSATION,BLURED VISION.SKIN:IRRITATION ON PROLONG EXPOS.INHAL:VAPOR,RESP SYSTEM IRRIT & LIGHT HEADED.MIBK VAPORS MAY CAUSE LIVER &KIDNEY DAMAGE.SYMP TOMS:HEADACHE,DIZZY,WEAK,FATIGUE,UNCONSCIOUS.INGEST:IRRIT,LIGHT HEADED,NAUSEA&VOMITING.ASPIRATE INTO LUNG/DAMAGE/SUP DATA

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

First Aid:EYE:FLUSH W/PLENTY OF H*2O FOR 15 MIN CALL PHYS.SKIN:WASH W/ SOAP & H*2O.INHAL:MOVE TO FRESH AIR.RESTORE/SUPPORT

BREATHING.DIFFICULTY BREATH PERSISTS,CALL PHYS.INGEST:DO NOT INDUCE VOMITING.GIVE TWO GLASSES OF MILK OR H*2O TO DRINK.CALL PHYS.IF SPONTANEOUS VOMITING OCCURS,LOWER HEAD BELOW HIPS TO PREVENT ASPIRATION INTO THE LUNGS.

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

Flash Point:50F- 10C

Lower Limits:1.4

Upper Limits:19

Extinguishing Media:CO*2, FOAM, DRY CHEMICAL

Fire Fighting Procedures:FIRE FIGHTERS SHOULD BE EQUIPPED W/SCBA WHEN FIGHTING FIRES INVOLV ING THIS MATERIAL

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

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

Spill Release Procedures:EXTINGUISH IGNITION SOURCES.COLLECT SPILLED MAT.CLEAN UP RESIDUE & STORAGE IN CLOSED METAL CONTAINER.

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT,SPARKS & FLAME.KEEP CONTR

CLOSED WHEN NOT IN USE.KEEP OUT OF THE REACH OF CHILDREN.

Other Precautions:AVOID PROLONGED BREATHING OF VAPORS & PROLONGED OR REPEATED SKIN CONTACT.

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

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .

Ventilation:USE ONLY IN AREAS ADEQ VENT W/ ENOUGH AIR MOVEMENT TO REMOVE VAPORS & PREVENT VAPOR BUILD-UP.CONSULT LOCAL (SEE SUP DATA

Protective Gloves:IMPERVIOUS GLOVES

Eye

Protection:CHEMICAL WORKERS GOGGLES

Supplemental Safety and Health

SIGNS & SYMPTOMS OF OVEREXPOSURE:OR DEATH,MEK IS A POTENTIAL EMBRYO/FETOTOXIN BASED ON LAB STUDIES.THERE IS NO EVIDENCE OF REPRODUCTIVE EFFECTS ASSOCIATED W/ HUMAN EXPOS TO MEK.VENT:SAFETY/HEALTH AUTH ORITIES IF ADDITIONAL GUIDANCE IS NECESSARY .

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

HCC:F2

Boiling Pt:B.P. Text:164F-73.73C

Vapor Pres:42

Vapor Density:3.0

Spec Gravity:0.88

Evapora

tion Rate & Reference:>5 ETHER=1

Solubility in Water:INSOLUBLE

Appearance and Odor:TRANSPARENT AMBER THIN LIQUID CHARACTERISTIC KETONE ODOR

Percent Volatiles by Volume:74

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

Stability Indicator/Materials to Avoid:YES

Hazardous Decomposition Products:CO,CO*2,N & SMOKE PARTICLES,WHEN SUBJECTED TO EXCESSIVE HEAT OR FLAME.

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

Waste Disposal Methods:COMMERCIAL

INCINERATE W/ DESTRUCTION & REMOVAL

EFFICIENCY > 99.99% OR RECLAMATION IS PREFERRED.OTHERWISE DISPOSE IAW APPLICABLE REGS.

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