

3M GENERAL OFFICES -- 3M EC-776QT, FUEL RESISTANT COATING -- 8040-00-597-9723

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

Product ID:3M EC-776QT, FUEL RESISTANT COATING

MSDS Date:02/11/1993

FSC:8040

NIIN:00-597-9723

Status Code:A

MSDS Number: CKBNV

=== Responsible Party ===

Company Name:3M GENERAL OFFICES

Address:3M CENTER

City:ST. PAUL

State:MN

ZIP:55144-1000

Country:US

Info Phone Num:651-737-4114

Emergency Phone Num:651-733-1110

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:METHYL ISO-BUTYL KETONE

CAS:108-10-1

RTECS #:SA9275000

Minumum % Wt:60.

Maxumum % Wt:70.

OSHA PEL:50 PPM

OSHA STEL:75 PPM

ACGIH TLV:50 PPM

ACGIH STEL:75 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:PHENOL-

FORMALDEHYDE POLYMER

CAS:9003-35-4

Minumum % Wt:10.

Maxumum % Wt:20.

Ingred Name:ACRYLONITRILE-BUTADIENE POLYMER

CAS:9003-18-3

Minumum % Wt:10.

Maxumum % Wt:20.

Ingred Name:ETHYL ALCOHOL

CAS:64-17-5

RTECS #:KQ6300000

Minumum % Wt:1.

Maxumum % Wt:10.

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM

Ingred Name:METHYL ALCOHOL

CAS:67-56-1

RTECS #:PC1400000

Minumum % Wt:.1

Maxumum % Wt:1.

OSHA PEL:200 PPM

OSHA STEL:250 PPM

ACGIH TLV:200 PPM

ACGIH STEL:250 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred

Name:ETHYL ACETATE

CAS:141-78-6

RTECS #:AH5425000

Minumum % Wt:.01

Maxumum % Wt:.1

OSHA PEL:400 PPM

ACGIH TLV:400 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE CONTACT: MODERATE EYE IRRITATION:

SIGNS SYMPTOMS INCLUDE REDNESS, SWELLING, PAIN, TEARING AND HAZY
VISION. SKIN CO

NTACT: MILD SKIN IRRITATION (AFTER PROLONGED OR REPEATED CONTACT): SIGNS/SYMP TOMS CAN INCLUDE REDNESS, SWELLING AND ITCHING. INHALATION: CENTRAL NERVOUS SYSTEM DEPRESSION: SIGNS/SYMPTOMS INCLUDE HEADACH, DIZZINESS, DROWSINESS, INCOORDINATION, SLOWED REACTION TIME, SLURRED S PEECH, GIDDINESS AND UNCONSCIOUSNESS.FATIGUE,BLURRED VISION,GIDDINESS,TREMORS&CONVULSIONS.ASPIRATION PNEUMONITIS:COUGHING,DIFFICULTY BREATHING,WHEEZING,COUGHING UP BLOOD&PNEUMONIA, WHICH CAN BE FATAL .

Effects of Overexposure:IRRITATION(UPPER RESPIRATORY):SORENESS OF NOSE&THROAT,COUGHING&SNEEZING.KIDNEY EFFECTS:REDUCED URINE VOLUME,BLOOD IN URINE&BACK PAIN.LIVER EFFECTS:YELLOW SKIN(JAUNDICE)&TENDERNESS OF UPPER ABDOMEN.IF SWALLOWED:IRRITATION OF GI TISSUES:PAIN,VOMITING,ABDOMINAL TENDERNESS,NAUSEA,BLOOD IN VOMITUS,&BLOOD IN FECES.WHILE EFFECTS ARE ASSOCIATED W/ONE/MORE INDIVIDUAL INGREDIENTS&ARE REQUIRED TO BE INCLUDED ON MSDS BY US OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE.

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

First Aid:EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER. GET IMMEDIATE MEDICAL ATTENTION. SKIN CONTACT: FLUSH SKIN WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTI ON. INHALATION: REMOVE PERSON TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GET IMMEDIATE MEDICAL ATTENTION. INGESTION: IF SWALLOWED, CALL A PHYSICIAN I MMEDIATELYT. ONLY INDUCE VOMITING AT THE INSTRUCTION OF A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point:=10.C, 50.F
50F

Lower Limits:1.4

Upper Limits:19

Extinguishing Media:CO2, FOAM, DRY CHEMICAL.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING, INCLUDING HELMET, SELF CONTAINED, POSITIVE PRES

SURE OR PRESSURE DEMAND

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

Unusual Fire/Explosion Hazard:CLOSED CONTAINERS EXPOSED TO HEAT FROM FIRE MAY BUILD PRESSURE AND EXPLODE. VAPORS MAY TRAVEL LONG DISTANCES ALONG THE GROUND OR FLOOR TO AN IGNITION SOURCE AND FLASH BACK.

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

Spill Release Procedures:REFER T

O OTHER SECTIONS OF THIS MSDS FOR

INFORMATION REGARDING PHYSICAL AND HEALTH HAZARDS, RESPIRATORY PROTECTION, VENTILATION, AND PERSONAL PROTECTIVE EQUIPMENT. CALL 612-733-1110 FOR 24 HOUR SPILL ASSISTANCE. VENTILATE AREA.

EXTINGUISH ALL IGNITION SOURCES. COLLECT USING NON-SPARKING TOOLS.

COVER WITH ABSORBENT MATERIAL. PLACE IN A US DOT APPROVED CONTAINER AND SEAL.

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

Handling and Storage Precautions:

KEEP CONTAINER CLOSED WHEN NOT IN

USE.KEEP OUT OF THE REACH OF CHILDREN.FLAMMALE LIQUID&VAPOR.KEEP AWAY FROM HEAT,SPARKS,OPEN FLAME,&OTHER SOURCES OF IGNITION.GROUND CONTAINERS SECURELY WHEN TRANSFERR ING CONTENTS.WEAR LOW STATIC/PROPERLY GROUNDED SHOES.AVOID STATIC DISCHARGE.

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

Respiratory Protection:AVOID INHALATION OF VAPORS, MISTS, OR SPRAY.

SELECT ONE OF THE FOLLOWING NIOSH APPROVED RESPIRATORS BASED ON

AIRBORNE CONCENTRATION OF CONTAMINANTS AND IN ACCORDANCE WITH OSHA REGULATIONS: HALF MASK ORGANIC VAPOR RESPIRATOR, HALF MASK ORGANIC VAPOR RESPIRATOR WITH DUST/MIST PREFILTER.

Ventilation:USE IN A WELL VENTILATED AREA. PROVIDE SUFFICIENT VENTILATION TO MAINTAIN EMISSIONS BELOW RECOMMENDED EXPOSURE LIMITS.

Protective Gloves:BUTYL RUBBER, POLYETHYLENE/ETHYLENE VINYL ALCOHOL, POLYTETRAFLUOROETHYLENE

Eye Protection:WEAR VENTED GOGGLES. WEAR SAFETY GLASSES WITH SIDE

SHIELDS.

Supplemental Safety and Health

USE WITH FUNCTIONING SPRAY BOOTH OR LOCAL EXHAUST. USE IN A WELL VENTILATED AREA. PROVIDE SUFFICIENT VENTILATION TO MAINTAIN EMISSIONS BELOW RECOMMENDED EXPOSURE LIMITS. IF EXHAUST VENTILATION IS NOT ADEQUATE, USE APPROPRIATE RESPIRATORY PROTECTION.

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

Boiling Pt:=73.3C, 164.F
B.P. Text:164F ETHYL ALCOHOL
Vapor Pres:42.1 MM HG @ 68' F
Vapor Density:>AIR
Spec Gravity:0
.880 (WATER= 1)
VOC Pounds/Gallon:647
Viscosity:950.0 CENTISTOKES
Evaporation Rate & Reference:> 5.0 (ETHER= 1)
Solubility in Water:INSOLUABLE
Appearance and Odor:AMBER LIQUID/KETONE ODOR
Percent Volatiles by Volume:74%

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS.
Hazardous Decomposition Products:CO, CO2, OXIDES OF NITROGEN, HYDROGEN CYANIDE, ALDEHYDES, KETONES, AND HYDROCARBONS.

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

Ecological:EPA NO.: D002

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

Waste Disposal Methods:INCINERATE IN A PERMITTED HAZARDOUS WASTE INCINERATOR IN THE PRESENCE OF A COMBUSTIBLE MATERIAL. DISPOSE OF WASTE PRODUCT IN A FACILITY PERMITTED TO ACCEPT CHEMICAL WASTE. REGULATORY DATA: SINCE REGULATIONS VARY, CONSULT APPLICABLE REGULATIONS OR AUTHORITIES BEFORE DISPOSAL. US EPA HAZARDOUS WASTE

NUMBER = D001 (IGNITABLE)

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

SARA Title III Information:THIS PRODUCT CONTAINS THE FOLLOWING TOXIC
CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIRMENTS OF
SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND
REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372 1) METHYL
ISOBUTYL KETONE 2) METHYL ALCOHOL

State Regulatory Information:

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

Dis
claimer (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.