

MINNESOTA MINING AND MFG CO -- EC-776 FUEL RESISTANT COATING -- 8040-00-597-9723

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

Product ID:EC-776 FUEL RESISTANT COATING

MSDS Date:02/14/1995

FSC:8040

NIIN:00-597-9723

Status Code:A

MSDS Number: CLKVS

=== Responsible Party ===

Company Name:MINNESOTA MINING AND MFG CO

Address:3M CENTER

City:SAINT PAUL

State:MN

ZIP:55144-1000

Country:US

Info Phone Num:800-364-3557 / 651-737-6501(24 HR)

Emergency Phone Num:810-661-0260

Prepar

er's Name:RYAN MICKELSON

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:METHYL ISOBUTYL KETONE

CAS:108-10-1

RTECS #:SA9275000

Minumum % Wt:60.

Maxumum % Wt:70.

OSHA PEL:410 MG/M3;100 PPM

ACGIH TLV:205 MG/M3;50 PPM

ACGIH STEL:307 MG/M3;7

5 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:1900 MG/M3;1000 PPM
ACGIH TLV:1880 MG/M3;1000 PPM

Ingred Name:METHYL ALCOHOL
CAS:67-56-1
RTECS #:PC1400000
Minumum % Wt:.1
Maxumum % Wt:1.
OSHA PEL:260 MG/M3;200 PPM
ACGI
H TLV:262 MG/M3;200 PPM
ACGIH STEL:328 MG/M3;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:1400 MG/M3;400 PPM
ACGIH TLV:1440 MG/M3;400 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

Effects of Overexposure:EYE CONTACT: MODERATE EYE IRRITATION:
SIGNS/SYMPTOMS CAN INCLUDE REDNESS, SWELLING, PAIN, TEARING,AND
HAZY VISIO

N. SKIN CONTACT: MILD SKIN IRRITATION: SIGNS/SYMPTOMS CAN INCLUDE REDNESS, SWELLING, AND ITCHING. INHALATION: CENTRAL NERVOUS SYSTEM DEPRESSION: SIGNS/SYMPTOMS CAN INCLUDE HEADACHE, DIZZINESS, DROWSINESS, INCOORDINATION, SLOWED REACTION TIME, SLURRED SPEECH, GIDDINESS AND UNCONSCIOUSNESS .

===== 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 ATTENTION. INHALATION: REMOVE PERSON TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GET MEDICAL ATTENTION. IF SWALLOWED: IF SWALLOWED, CALL A PHYSICIAN IMMEDIATELY. 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
Lower Limits:1.40
Upper Limits:19.00
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING, INCLUDING HELMET, SELF-CONTAINED, POSITIVE PRESSURE 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 TO OTHER SECTIONS OF THIS MSDS THIS MSDS FOR INFORMATION REGARDING PHYSICAL AND HEALTH HAZARDS, RESPIRATORY PROTECTION, VENTILATION, AND PERSONAL PROTECTIVE EQUIPMENT. IN THE U.S.A., CALL (612) 733-1110 OR (612) 733-6100 FOR 24 HOUR SPILL ASSISTANCE. VENTILATE AREA. E

EXTINGUISH ALL IGNITION SOURCES. COVER
WITH ABSORBENT MATERIAL. COLLECT USING NON-SPARKING TOOLS. PLACE IN
A U. S. DOT-APPROVED

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED WHEN NOT IN USE.
KEEP OUT OF REACH OF CHILDREN.

Other Precautions:KEEP CONTAINER TIGHTLY CLOSED. FLAMMABLE LIQUID AND
VAPOR. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, AND OTHER SOURCES
OF IGNITION. GROUND CONTAINERS SECURELY WHEN
TRANSFERRING CONTENTS.
WEAR LOW STATIC OR PROPERLY GROUNDED SHOES. AVOID STATIC
DISCHARGE.

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

Respiratory Protection:AVOID BREATHING 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 WITH FUNCTIONING SPRAY BOOTH OR LOCAL EXHAUST. USE IN A
WELL VENTILATED AREA.

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

Eye Protection:AVOID EYE CONTACT WITH VAPOR, SPRAY OR MIST. WEAR VENTED
GOGGLES. SIDE SHIELDS

Supplemental Safety and Health

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

Boiling Pt:73.3C, 164.F

Vapor Pressure:42.1000MMHG

Vapor Density:3.00 AIR

Specific Gravity:0.880 WATER=1

Viscosity:CA. 9

50.0 CENTISTOKES

Evaporation Rate & Reference:>5.00 ETHER=1

Solubility in Water:INSOLUBLE

Appearance and Odor:THIN LIQUID, TRANSPARENT AMBER, CHARACTERISTIC
KETONE ODOR

Percent Volatiles by Volume:74

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE,
OXIDES OF NITROGEN, HYDROGEN CYANIDE, ALDEHYDES, KETONES,
HYDROCARBONS.

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

Waste Disposal Methods:INCINERATE IN A PERMITTED HAZARDOUS WASTE
INCINDERATE IN THE PRESENCE OF A COMBUSTIBLE MATERIAL. DISPOSE OF
WASTE PRODUCT IN A FACILITY PERMITTED TO ACCEPT CHEMICAL WASTE.

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