

MINNESOTA MINING AND MFG CO -- EC-678-M INDUSTRIAL ADHESIVE -- 8040-00-262-9060

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

Product ID:EC-678-M INDUSTRIAL ADHESIVE

MSDS Date:01/01/1992

FSC:8040

NIIN:00-262-9060

MSDS Number: BRNKR

=== Responsible Party ===

Company Name:MINNESOTA MINING AND MFG CO

Address:3M CTR

City:SAINT PAUL (FORMALLY IN DETROITT, MI)

State:MN

ZIP:55144-1000

Country:US

Info Phone Num:61

2-733-1341/612-733-1110

Emergency Phone Num:612-733-1341

Preparer's Name:C. A. EISENHARD

CAGE:76381

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

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

===== Composit

ion/Information on Ingredients =====

Ingred Name:METHYL ETHYL KETONE  
CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 50-60%  
Other REC Limits:NONE SPECIFIED  
ACGIH TLV:200 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:POLY (VINYLIDENE CHLORIDE)  
CAS:9002-85-1  
Fraction by Wt: 40-50%  
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IA  
RC:NO OSHA:NO

Health Hazards Acute and Chronic:EXPOSURE TO VAPOR CONCENTRATIONS IN EXCESS OF RECOMMENDED EXPOSURE LIMITS MAY RESULT IN RESPIRATORY SYSTEM IRRITATION & TEMPORARY NERVOUS SYSTEM IMPAIRMENT. SYMPTOMS OF OVEREXPOSURE INCLUDE DIZZINESS, WEAKNESS, HEADACHE, NAUSEA, LOSS OF CO-ORDINATION & IN THE EXTREME STUPOR. INGESTION: DIGESTIVE SYSTEM IRRITATION.

Effects of Overexposure:EYE: LIQUID/VAPOR, EYE IRRITATION. SKIN: PROLONGED CONTACT CAUSE DRY, CRACKED SKIN LEADING TO INFECTION & DERMATITIS. INGESTION: TEMPORARY NERVOUS SYSTEM IMPAIRMENT. SYMPTOMS OF OVEREXPOSURE INCLUDE NAUSEA, VOMITING, DIARRHEA, DIZZINESS. SOLVENT ASPIRATION INTO LUNGS DUE TO VOMITING CAUSE LUNG DAMAGE, IN EXTREME,DEATH.

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

First Aid:EYE: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST 10 MINUTES. CALL A PHYSICIAN. SKIN: WASH AFFECTED AREA WITH SOAP & WATER. INHALATION: REMOVE

TO FRESH AIR. CALL A  
PHYSICIAN. INGESTION: DO NOT INDUCE VOMITING. IMMEDIATELY CALL A  
PHYSICIAN OR POISON CONTROL CENTER.

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

Flash Point:20.0F,-6.7C

Lower Limits:1.80 %

Upper Limits:11.50 %

Extinguishing Media:CO2, FOAM, DRY CHEMICAL

Fire Fighting Procedures:FIRE-FIGHTERS SHOULD BE EQUIPPED WITH  
SELF-CONTAINED BREATHING APPARATUS (SCBA) WHEN FIGHTING FIRES  
INVOLVING THIS MATERIAL.

Unusual Fire/Explosion Hazard:E

EXTREMELY FLAMMABLE. OVERHEATED, CLOSED  
CONTAINERS ADJACENT TO FIRE COULD EXPLODE DUE TO INTERNAL PRESSURE  
BUILDUP.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. VENTILATE THE  
AREA. CONTAIN THE SPILL. COVER WITH ABSORBENT MATERIALS AS NEEDED.  
COLLECT THE SPILLED MATERIAL USING NON-SPARKING TOOLS. PLACE IN A  
U.S. DEPT OF TRANSPORTATION APPROVED METAL CONTAINER & SEAL.

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

Handling and Storage Precautions:KEEP PRODUCT & ITS VAPORS AWAY FROM  
HEAT, SPARKS, OPEN FLAME & OTHER SOURCES OF IGNITION. EXTINGUISH  
ALL IGNITION SOURCES. VAPORS CAN IGNITE EASILY.

Other Precautions:GROUND CONTAINERS WHEN TRANSFERRING PRODUCT TO PREVENT  
STATIC ELECTRICITY.

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

Respiratory Protection:BASED UPON CONTAMINATION LEVELS IN THE WORK  
PLACE. AVOID PROLONGED BREATHING  
OF VAPORS.

Ventilation:LOCAL EXHAUST VENTILATION (E.G.) SPRAY BOOTH IF NEED TO  
KEEP VAPOR CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS.

Protective Gloves:IMPERVIOUS GLOVES

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:IMPERVIOUS CLOTHING, QUICK DRENCH SHOWER,  
EYE WASH FOUNTAIN.

Supplemental Safety and Health

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

HCC:F2

Boiling Pt:B.P. Text:175F,79C

Vapor Pres:80 @ 68F

Vapor Density:2.50

Spec Gravity:1.00

0

Viscosity:11000.0 CPS

Evaporation Rate & Reference:2.70

Solubility in Water:SLIGHT

Appearance and Odor:BLACK, THIN, SYRUP, KETONE ODOR

Percent Volatiles by Volume:57.000

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

Stability Indicator/Materials to Avoid:YES

Hazardous Decomposition Products:CO, CO2, HCl, & NITROGEN DECOMPOSITION PRODUCTS WHEN SUBJECTED TO EXCESSIVE HEAT OR FLAME.

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

Waste Disposal

Methods:INCINERATE ABSORBED & BULK PRODUCT AFTER MIXING WITH FLAMMABLE MATERIAL IN A LICENSED HAZARDOUS WASTE FACILITY. DISPOSAL SHOULD BE IN ACCORDANCE WITH APPLICABLE REGULATIONS. U.S. EPA HAZARDOUS WASTE NO. D001 IGNITABLE.

Disclaimer (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.