

3M GENERAL OFFICES -- EC-1137 ADHESIVE -- 8030-00-680-2039

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

Product ID:EC-1137 ADHESIVE

MSDS Date:11/25/1997

FSC:8030

NIIN:00-680-2039

MSDS Number: CHVND

=== Responsible Party ===

Company Name:3M GENERAL OFFICES

Address:3M CENTER

City:ST PAUL

State:MN

ZIP:55144-1000

Country:US

Info Phone Num:612-737-6501

Emergency Phone Num:800-364-3577

CAGE:1BY21

=== 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

Company Name:MINNESOTA MINING AND MFG CO ENGINEERING DOCUMENT SYSTEMS  
DIV

Address:3M CTR

Box:City:SAINT PAUL

State:MN

ZIP:55144-1000

Country:US

Phone:612-737-4114

CAGE:1BY21

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

Ingred Name:SODIUM SILICATE

CAS:1344-09-8

Fraction by Wt: 40-50%

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:WATER

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AS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 30-40%  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:COPPER; (COPPER POWDER) (SARA 313) (CERCLA)  
CAS:7440-50-8  
RTECS #:GL5325000  
Fraction by Wt: 7-13%  
OSHA PEL:0.1MG/M3 FUME/1 DUST  
ACGIH TLV:0.2 MG/M3 FUME; 9495  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ZINC OXIDE (SARA 313) (CERCLA)  
CAS:1314-13-2  
RTECS #:ZH4810000  
Fraction by Wt: 1-5%  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9495

Ingred Name:STAINLESS STEEL FLAKES  
Fraction by Wt:  
20-30%  
OSHA PEL:N/K  
ACGIH TLV:N/K

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE: SEV EYE IRRIT: SIGNS/SYMPS CAN  
INCL REDNESS, SWELL, PAIN, TEARING, CLOUDY APPEAR OF CORNEA,  
IMPAIRED VISION & POSS PERMANENTLY IMPAIRED VISION. SKIN: SEV SKIN  
IRRIT (AFTER PRLNG/RPTD  
CNTCT): SIGN S/SYMP CAN INCL REDNESS,  
SWELL, ITCHING, DRYNESS, CRACKING, BLISTERING, & PAIN. INHAL: DUST  
FROM (EFTS OF OVEREXP)  
Explanation of Carcinogenicity:NOT RELEVANT.  
Effects of Overexposure:HLTH HAZ: CUTTING, GRINDING, SANDING/MACHINING  
MAY CAUSE IRRIT OF THE RESP SYSTEM. INGEST: MAY CAUSE: IRRITATION  
OF GI TISSUES: SIGNS/SYMPTOMS CAN INCLUDE PAIN, VOMITING, ABDOMINAL  
TENDERNESS, NAUSEA, BLOOD IN VOMITUS, AND BLOOD IN FECES.  
Medical Cond Aggravated by Exposure:NONE SP

ECIFIED BY MANUFACTURER.X

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

First Aid:EYE: IMMEDIATE FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MIN. GET IMMEDIATE MEDICAL ATTENTION. SKIN: IMMEDIATE FLUSH WITH LARGE AMOUNTS OF WATER. REMOVE CONTAMINATED CLOTHING. IF IRRITATION PERSISTS, CALL A PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE. INHALATION: IF SIGNS/SYMPTOMS OCCUR, REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMPTOMS CONTINUE, CALL A DOCTOR. INGESTION: DO NOT INDUCE VOMITING. DRINK TWO GLASSES OF WATER. CALL A DOCTOR.

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

Flash Point:NONE  
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL, FOAM.  
Fire Fighting Procedures:USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .  
Unusual Fire/Explosion Hazard:CONTACT WITH ALUMINUM OR ZINC IN A PRESSURIZED SYSTEM MAY GENERATE HYDROGEN GAS WHICH COULD CREATE AN EXPLOSION HAZARD.

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

Spill Release Procedures:REFER TO OTHER SECTIONS OF THIS MSDS FOR INFORMATION REGARDING PHYSICAL & HEALTH HAZARDS, RESPIRATORY PROTECTION, VENTILATION, AND PERSONAL PROTECTIVE EQUIPMENT. COVER WITH ABSORBENT MATERIAL. COLLECT SPILL MATERIAL. PLACE IN A U.S. DOT - APPROVED CONTAINER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE AT TEMPERATURES ABOVE 32 DEGREES F (0 DEGREES C). KEEP AWAY FROM ALUMINUM & ZINC. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.  
Other Precautions:FIRE AND EXPLOSION AVOIDANCE: KEEP CONTAINER TIGHTLY CLOSED.

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

Respiratory Protection:AVOID BREATHING OF DUST CREATED BY CUTTING, SANDING OR GRINDING. SELECT ONE OF THE FOLLOWING NIOSH APPROVED RESPIRATORS BASED ON AIRBORNE CONCENTRATIONS OF CONTAMINANTS AND IN ACCORDANCE WITH OSHA REGULATIONS: HALF-MASK DUST

T RESPIRATOR.

Ventilation:PROVIDE APPROP LOC EXHST FOR GRINDING, CUTTING/SANDING  
CURED MATL. USE IN WELL-VENTD AREA. PROVIDE SUFFICIENT (SUPDAT)

Protective Gloves:BUTYL/NATURAL/NEOPRENE/NITRILE RUBBER.

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS .

Other Protective Equipment:EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET  
ANSI DESIGN CRITERIA .

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

VENT: VENTILATION TO MAINTAIN EMISSIONS BELOW RECOMMENDED  
EXPOSURE

LIMITS. IF EXHAUST VENTILATION IS NOT ADEQUATE, USE NIOSH APPROVED  
APPROPRIATE RESPIRATORY PROTECTION.

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

Boiling Pt:B.P. Text:212F,100C

Vapor Pres:25.0000

Vapor Density: