

3M GENERAL OFFICES -- S-W 2216 B/A PART A GRAY EPOXY ADHV. 32. -- 8040-00-145-0432  
===== Product Identification =====

Product ID:S-W 2216 B/A PART A GRAY EPOXY ADHV. 32.

MSDS Date:04/18/1995

FSC:8040

NIIN:00-145-0432

MSDS Number: CKBQC

=== Responsible Party ===

Company Name:3M GENERAL OFFICES

Address:3M CENTER

City:ST. PAUL

State:MN

ZIP:55144-1000

Country:US

Info Phone Num:612-733-1110

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:AMINE TERMINATED POLYMER- N.J. TRADE SECRET (T.S.) REGISTRY  
NO. 04499600-5569P

RTECS #:AT1005687

Minimum % Wt:55.

Maxumum % Wt:70.

Ingred Name:CAOBIN

CAS:1

332-58-7  
RTECS #:GF1670500  
Minumum % Wt:30.  
Maxumum % Wt:45.  
OSHA PEL:10 MG/M3  
ACGIH TLV:2 MG/M3

Ingred Name:CARBON BLACK  
CAS:1333-86-4  
RTECS #:FF5800000  
Minumum % Wt:.01  
Maxumum % Wt:.1  
OSHA PEL:3.5 MG/M3  
ACGIH TLV:3.5 MG/M3

===== 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:CHEMICAL RELATED EYE  
BURNS(CHEMICAL CORROSIVITY  
) :CLOUDY APPEARANCE OF CORNEA,CHEMICCAL  
BURNS,PAIN,TEARING,ULCERS,IMPAIRED VISION/LOSS OF VISION.VAPORS  
FROM HEATED MATERIAL MAY CAUSE EYE IR RITATION.DUST CREATED BY  
CUTTING,GRINDING,SANDING,/MACHINING MAY CAUSE EYE IRRITATION.SKIN  
CONTACT:ALLERGIC SKIN  
REACTION:REDNESS,SWELLING,BLISTERING,&ITCHING.MILD SKIN IRRITATION  
REDNESS,SWELLING&ITC HING.\*  
Effects of Overexposure:\*INH:IRR TATION(UPPER RESP.SORENESS OF  
NOSE&THROAT,COUGHING&SNEEZING.VAPORS OF HEATED MATERIAL:RESP  
.SYSTEM  
IRRITATION.DUST F/CUTTING,GRINDING,SANDING,/MACHININNG:IRRITATION OF  
RESP.SYSTEM.INGESTION:IRR TATION OF GI  
TISSUES:PAIN,VOMITING,ABDOMINAL TENDERNESS,NAUSEA,BLOOD IN  
VOMITUS&FECES.EXPOSURE IN NORMAL STORAGE&HANDLING HAS NOT BEEN  
REPORTED-CAUSE SIGNIFICANT ADVERSE HEALTH EFFECTS.UNDER NORMAL PRO  
CESSING CONDITIONS,E.G.GRINDING/HEATING,MAY RELEASE FUMES&VAPORS OF  
PROCESS RELEASES MAY PRODUCE IRRITATION/ANY HEALTH EFFECTS LISTED  
ABOVE WHEN EMISSIONS ARE PRESE  
NT@ELEVATED CONCENTRATIONS.USE W/APP  
ROPRIATE LOCAL EXHAUST VENTILATION.

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

First Aid:EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF  
WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.  
SKIN CONTACT: IMMEDIATELY WASH SKIN WITH SOAP AND LARGE AMOUNTS OF  
WATER. REMOVE CONTAMINATED CLOTHING. IF SIGNS/SYMPTOMS OCCUR,  
CALL A PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE AND  
DI

SPOUSE OF CONTAMINATED SHOES. INHALATION: IF SIGNS/SYMPTOMS OCCUR, REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMPTOMS CONTINUE, CALL A PHYSICIAN. INGESTION: IF SWALLOWED DO NOT INDUCE VOMITING. DRINK TWO GLASSES OF WATER, CALL A PHYSICIAN.

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

Extinguishing Media:WATER, CO2, FOAM, AND DRY CHEMICAL.

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:NONE KNOWN

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

Spill Release Procedures:REFER TO OTHER SECTIONS OF THIS MSDS FOR INFORMATION REGARDING PHYSICAL AND HEALTH HAZARDS, RESPIRATORY PROTECTION, VENTILATION, PERSONAL PROTECTIVE EQUIPMENT. CALL 612-733-1110 OR 6

12-733-6100 FOR 24 HOUR SPILL ASSISTANCE. COVER WITH ABSORBENT MATERIAL. COLLECT SPILLED MATERIAL. PLACE IN A U.S. DOT APPROVED CONTAINER AND SEAL .

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

Handling and Storage Precautions:STORE AWAY FROM HEAT. KEEP OUT OF THE REACH OF CHILDREN. KEEP CONTAINER TIGHTLY CLOSED.

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

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

Ventilation:USE IN A WELL-VENTILATED AREA. IF EXHAUST VENTILATION IS NOT ADEQUATE, USE APPROPRIATE RESPIRATORY PROTECTION.

Protective Gloves:POLYETHYLENE/ETHYLENE VINYL ALCOHOL.

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

Work

Hygienic Practices:DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WASH EXPOSED AREAS THOROUGHLY WITH SOAP AND WTER. DO NOT INGEST.

Supplemental Safety and Health

PROVIDE APPROPRIATE LOCAL EXHAUST FOR GRINDING, CUTTING OR SANDING CURED MATERIAL. CURING OVENS MUST BE EXHAUSTTED TO OUTDOORS OR TO A SUITABLE EMISSION CONTROL DEVICE.

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

Spec Gravity:1.26 (WATER= 1)  
Viscosity:40000-80000 CPS  
Appearance and Odo  
r:GRAY PASTE/ PUNGENT ODOR

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

Stability Indicator/Materials to Avoid:YES  
HEAT IS GENERATED DURING CURE. DO NOT CURE A MASS LARGER THAN 50-GRAMS IN A CONFINED SPACE TO PREVENT A PREMATURE REACTION (EXOTHERMIC) WITH PRODUCTION OF INTENSE HEAT AND SMOKE.  
Hazardous Decomposition Products:CO, CO2, OXIDES OF NITROGEN, AMINE COMPOUNDS, TOXIC VAPORS, GASES OR PARTICULATES.

=====  
Toxicological Information  
=====

Toxicological Information:\*OTHER: EXPOSURE TO THIS MATERIAL IN NORMAL STORAGE AND HANDLING HAS NOT BEEN REPORTECD TO CAUSE SIGNIFICANT ADVERSE HEALTH EFFECTS. HOWEVER, UNDER NORMAL PROCESSING CONDITIONS, E.G. GRINDING OR HEAT ING, THIS PRODUCT MAY RELEASE FUMES ANDVAPORS OF VARIABLE COMPOSITION BASED ON SPECIFFIC PROCESS CONDITIONS. THESE PROCESS RELEASES MAY PRODUCE IRRITATION OR ANY OF THE HEALTH EFFECTS LISTED ABOVE WHE N THE EMISSIONS ARE PRESENT AT ELEVATED CONCENTRATIONS. USE WITH APPROPRIATE LOCAL EXHAUST VENTILATION.

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

Waste Disposal Methods:CURE PRODUCT ACCORDING TO PRODUCT INSTRUCTIONS. INCINERATE UNCURED WASTE IN AN INDUSTRIAL OR COMMERCIAL INCINERATOR. DISPOSE OF COMPLETELY CURED (OR POLYMERIZED) MATERIAL IN A SANITARY LANDFILL.

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

State Regulatory Information:NFPA HAZARD  
C

ODES:HEALTH:1,FIRE:0,REACTIVITY:1,EPCRA  
HAZARD:FIRE:NO,PRESSURE:NO,REACTIVITY:NO,ACUTE:YES,CHRONIC:YES  
INFORMATION BELIEVED CORRECT AS OF DATE ISSUED.3M MAKES NO  
WARRANTIES.EXPRESSED/IMPLIED.INCLUDING,BUT NOT  
LIMITED-IMPLIED WARRANTY OF MERCHANTABILITY/FITNESS FOR  
PURPOSE/COURSE OF PERFORMANCE/USAGE OF TRADE.USER  
RESPONSIBLE FOR DETERMINING IF FIT FOR PURPOSE&SUITABLE FOR  
METHOD OF APPLICATION.\*\*

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

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.