

3M GENERAL OFFICES -- ADHESIVE -- 8040-00-079-7158

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

Product ID:ADHESIVE
MSDS Date:02/02/1999
FSC:8040
NIIN:00-079-7158
Status Code:A
MSDS Number: CKZPM
=== Responsible Party ===
Company Name:3M GENERAL OFFICES
Address:3M CENTER BLDG 224-5S-04
City:ST PAUL
State:MN
ZIP:55144-1000
Country:US
Info Phone Num:1-800-364-3577; 651-737-6501
Emergency Phone Num:999-999-99
99
Preparer's Name:ERNEST CARTER
Chemtrec Ind/Phone:(800)424-9300
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:CYCLOHEXANE
CAS:110-82-7
RTECS #:GU6300000
Minumum % Wt:50.
Maxumum % Wt:70.
OSHA PEL:1050 MG/M3;300 PPM
ACGIH TLV:1030 MG/

M3;300 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:.POLYTERPENE RESIN
CAS:31393-98-3
Code:F
Minumum % Wt:10.
Maxumum % Wt:20.

Ingred Name:METHYLENE CHLORIDE
CAS:75-09-2
RTECS #:PA8050000
Minumum % Wt:10.
Maxumum % Wt:20.
OSHA PEL:SEE TABLE Z-2
ACGIH TLV:174 MG/M3;50 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:STYRENE-BUTADIENE POLYMER
CAS:9003-55-8
RTECS #:WL6478000
Minumum % Wt:5.
Maxumum % Wt:10.

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

Health Hazards Acute and Chronic:EYE CONTACT: MODERATE EYE IRRITATION:
SIGNS/SYMPTOMS CAN INCLUDE REDNESS, SWELLING, PAIN, TEARING, AND
HAZY VISION. SKIN CONTACT: MILD SKIN IRRITATION: SIGNS/SYMPTOMS CAN
INCLUDE REDNESS, SWELLING, AN D ITCHING. MAY BE ABSORBED THROUGH
THE SKIN AND PRODUCE EFFECTS SIMILAR TO THOSE CAUSED BY INHALATION
AND/OR INGESTION. INHALATION: CARBOXYHEMOGLOBINEMIA: SIGNS/SYMPTOMS
CAN INCLUDE HEADACHE, DROWSINE SS, AND SHORTNESS OF BREATH.

CHER
RY-RED SKIN COLOR, COMA AND DEATH CAN RESULT FROM SEVERE
OVEREXPOSURE.

Effects of Overexposure:KIDNEY EFFECTS: SIGNS/SYMPTOMS CAN INCLUDE
REDUCED URINE VOLUME, BLOOD IN URINE AND BACK PAIN. LIVER EFFECTS:
SIGNS/SYMPTOMS CAN INCLUDE YELLOW SKIN(JAUNDICE) AND TENDERNESS OF
UPPER ABDOMEN.

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

First Aid:EYE CONTACT: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER.
GET IMMEDIATE MEDICAL ATTENTION. SKIN CONTACT: FLUS

H 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 DIFFICULT, GET IMMEDIATE MEDICAL ATTENTION. 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 Method:CALC

Flash

Point:=-18.C, -4F

Autoignition Temp: =245.C, 473.F

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING, INCLUDING HELMET, SELF-CONTAINED, POSITIVE 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. CONTACT WITH ALUMINUM OR ZINC

IN A PRESSURIZED SYSTEM MAY GENERATE HYDROGEN GAS WHICH COULD CREATE AN EXPLOSION HAZARD. VAPORS MAY TRAVEL LONG DISTANCE 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 FOR INFORMATION REGARDING PHYSICAL AND HEALTH HAZARDS, RESPIRATORY PROTECTION, VENTILATION, AND PERSONAL PROTECTIVE EQUIPMENT.

=====

=====
===== 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 SUPPLIED AIR RESPIRATOR.

Ventilation:USE WITH FUNCTIONING SPRAY BOOTH OR LOCAL EXHAUST. USE IN A WELL-VENTILATED AREA. PROVIDE SUFFICIENT VENTILATION TO MAINTAIN

Protective Gloves:WEAR APPROPRIATE GLOVES

WHEN HANDLING THIS MATERIAL.

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

Supplemental Safety and Health

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

Boiling Pt:=40.C, 104.F

Vapor Pres:349 MMHG

Vapor Density:2.9 AIR=1

Volatile Org Content %:76

Spec Gravity:0.87 WATER=1

Viscosity:225 CENTIPOISE

Evaporation Rate & Reference:2.2 ETHER=1

Solubility in Water:NIL

Appearance and Odor:LIQUID,LIGHT AMBER, SOLVENT ODOR

=====

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

Stability Indicator/Materials to Avoid:YES

Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE, HYDROGEN CHLORIDE, PHOSGENE, CHLORINE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

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

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.