

3M (MINNESOTA MINING & MFG) AD -- POLYURETHANE PROTECTIVE TAPE ADHESION PROMOTO

MSDS Safety Information

FSC: 6850

NIIN: 01-326-1607

MSDS Date: 08/06/1998

MSDS Num: CKPLP

Product ID: POLYURETHANE PROTECTIVE TAPE ADHESION PROMOTOR 86A (SEE SUPP

MFN: 01

Responsible Party

Cage: 1A9T3

Name: 3M (MINNESOTA MINING & MFG) ADH

ESIVES DIVISION

Address: 3M CENTER

City: SAINT PAUL MN 55144-1000

Info Phone Number: 651-733-1341 OR 800-364-3577

Emergency Phone Number: 612-733-1110

Resp. Party Other MSDS No.: 07-9764 7

Item Description Information

Item Manager: S9G

Item Name: PRIMER,PRESSURE SENSITIVE TAPE

Specification Number: UNKNOWN

Unit of Issue: PT

UI Container Qty: 1

Type of Container: UNKNOWN

Ingredients

Cas: 67-63-0

RTECS #: NT8050000

Name: ISOPROPYL ALCOHOL (SARA 313)

% low Wt: 40.

% high Wt: 70.

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 400 PPM

ACGIH TLV: 400 PPM/500STEL;9596

Cas: 68989-76-4

Name: POLYAMIDE RESIN OR FATTY ACIDS,C18-UNSATD DIMERS POLYMERS

W/ETHYLENEDIAMINE,(1,3-PROPANEDIYL)BIS [PIPERIDINE] & SEBACIC ACID

% low Wt: 5.

% high Wt:

10.

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

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Cas: 71-23-8

RTECS #: UH8125000

Name: PROPANOL

% low Wt: 15.

% high Wt: 40.

OSHA PEL: 500 MG/M3;200 PPM

ACGIH TLV: 492 MG/M3;200 PPM

ACGIH STEL: 614 MG/M3;250 PPM

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Health Hazards Data

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Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Effects of Exposur

e: EYE CONTACT: MODERATE EYE IRRITATION, SKIN CONTACT:

MODERATE SKIN IRRITATION AFTER PROLONGED OR REPEATED CONTACT.MAY BE ABSORBED THROUGH THE SKIN AND PRODUCE EFFECTS SIMILAR TO THOSE CAUSED BY INHALATION AND OR INGESTION. INHALATION: CENTRAL NERVOUS SYSTEM DEPRESSION AND IRRITATION UPPER RESPIRATORY. IF SWALLOWED: IRRITATION OF GASTROINTESTINAL TISSUES

Signs And Symptions Of Overexposure: EYE REDNESS /SWELLING /PAIN/ TEARING, HAZY VISION, SKIN: REDNESS SWELLING ITCHING DRYNESS. I

NHALATION: HEADACHE,

DIZZINESS, DROWSINESS, INCOORDINATION, SLOWED REACTION TIME, SLURRED SPEECH, GIDDINESS, UNCONSCIOUSNESS,UPPER RESPIRATORY: SORENESS OF NOSE/THROAT, COUGHING, SNEEZING, SWALLOWED:PAIN, VOMITING, ABDOMINAL TENDERNESS, NAUSEA, BLOOD IN VOMITUS, AND IN FECES. CENTRAL NERVOUS SYSTEM DEPRESSION: HEADACHE, DIZZINESS, DROWSINEES, MUSCULAR WEAKNESS, INCOORDINATION,SLOWED REACTION TIME, FATIGUE, BLURRED VISION, SLURRED SPEECH, GIDDINESS, TREMORS AND CONVULSIONS.

First

Aid: EYES: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER GET IMMEDIATE MEDICAL ATTENTION.. SKIN: FLUSH WITH LARGE AMOUNTS WATER IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. DESTROY OR PROPERLY DISPOSE OF CONTAMINATED SHOES. INHALATION: REMOVE PERSON TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GET MEDICAL ATTENTION.SWALLOWED:DO NOT INDUCE VOMITING. DRINK TWO GLASSES OF WATER. CALL PHYSICIAN IMMEDIATELY.

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## Handling and Disposal

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Spill Release Procedures: VENTILATE AREA. EXTINGUISH ALL IGNITION SOURCES.

CONTAIN SPILL COVER WITH INORGANIC ABSORBENT MATERIAL. COLLECT SPILLED MATERIAL. USE NON-SPARKING TOOLS. CLEAN UP RESIDUE WITH WATER. PLACE IN A U.S. DOT-APPROVED CONTAINER.

Waste Disposal Methods: INCINERATE IN A PERMITTED HAZARDOUS WASTE INCINERATOR IN THE PRESENCE OF A COMBUSTIBLE MATERIAL. RECLAIM IF FEASIBLE.

E. DISPOSE OF

WASTE PRODUCT IN A FACILITY PERMITTED TO ACCEPT CHEMICAL WASTE.

Handling And Storage Precautions: STORE IN A COOL PLACE, AWAY FROM ACIDS. STORE AWAY FROM HEAT & DIRECT SUNLIGHT. KEEP CONTAINER DRY. KEEP CONTAINER IN WELL-VENTILATED AREA.

Other Precautions: AVOID SKIN CONTACT. AVOID BREATHING VAPORS, MISTS OR SPRAYS. DO NOT EAT, DRINK OR SMOKE WHEN USING PRODUCT. KEEP CONTAINER TIGHTLY CLOSED. GROUND CONTAINERS SECURELY WHEN TRANSFERRING CONTENTS. VAPORS MAY IGNITE

EXPLOSIVELY.

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## Fire and Explosion Hazard Information

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Flash Point Method: COC

Flash Point: 11.7C, 53.F

Autoignition Temp: 398.9C, 750.F

Lower Limits: 2.

Upper Limits: 12.7

Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL-TYPE FOAM. WATER CAN BE USED TO KEEP FIRE-EXPOSED CONTAINERS AND SURFACES COOL & PREVENT EXPLOSIVE RUPTURE.

Fire Fighting Procedures:

WEAR FULL PROTECTIVE CLOTHING INCLUDING HELMET, SELF-CONTAINED POSITIVE PRESSURE OR PRESSURE DEMAND BREATHING APPARATUS, BUNKER COAT AND PANTS, GLOVES AROUND ARMS, WAIST AND LEGS, FACE MASK, AND PROTECTIVE COVERING FOR EXPOSED AREAS OF THE HEAD. WATER MAY NOT EFFECTIVELY EXTINGUISH FIRE.

Unusual Fire/Explosion Hazard: CLOSED CONTAINERS EXPOSED TO HEAT MAY BUILD UP PRESSURE AND EXPLODE. VAPOR IS FLAMMABLE AND HEAVIER THAN AIR AND MAY TRAVEL TO SOURCE OF IGNITION AND FLASHBACK.

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Control Measures  
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Respiratory Protection: SELECT ONE OF FOLLOWING NIOSH APPROVED RESPIRATORS  
BASED ON AIRBORNE CONCENTRATIONS OF CONTAMINANTS AND IN ACCORDANCE WITH  
OSHA

REGULATIONS: HALF-MASK ORGANIC VAPOR RESPIRATOR FULL-FACE ORGANIC VAPOR  
RESPIRATOR.

Ventilation: LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION AS REQUIRED TO  
MAINTAIN EXPOSURE LEVELS.

Protective Gloves: NATURA

L RUBBER,NEOPRENE,NITRILE RUBBER GLOVES

Eye Protection: WEAR UNVENTED GOGGLES DURING OPERATIONS WHERE EXPOSURE IS  
LIKELY.

Other Protective Equipment: CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT  
SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices: WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE  
EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health: WEAR LOW STATIC OR PROPERLY GROUNDED SHOES. NO  
SMOKING WHILE HA

NDLING THIS MATERIAL. 3M ID NUMBER/UPC: 00-21200-31592-3.

STAGG ENTERPRISES P/N: 70-0707-4280-7.  
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Physical/Chemical Properties  
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HCC: F2

Boiling Point: =82.8C, 181.F

Vapor Pres: 33 MMHG

Vapor Density: 2.10

Spec Gravity: 0.820

VOC Grams/Liter: 746

Viscosity: 50-100 CPS

Evaporation Rate & Reference: N/D

Solubility in Water: PARTIAL

Appearance and Odor: LIQUID,CLEAR SOLVENT ODOR

Perce

nt Volatiles by Volume: 94 (WT)  
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Reactivity Data  
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Stability Indicator: YES

Stability Condition To Avoid: SPARKS AND/OR FLAMES.

Hazardous Decomposition Products: CARBON MONOXIDE AND CARBON DIOXIDE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.  
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Toxicological Inform

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Ecological Information  
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MSDS Transport Information  
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Regulatory Information  
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Sara Title III Informatio

n: EPCRA HAZARD CLASS: FIRE-YES; PRESSURE-NO,  
REACTIVITY-NO, ACUTE-YES, CHRONIC-YES.

Federal Regulatory Information: VOLATILE ORGANIC COMPOUNDS: 746 GMS/LITER  
CALCULATED PER SCAQMD RULE 443.1; VOC LESS H2O & EXEMPT SOLVENTS: 746  
GMS/LITER CALCULATED SCAQMD RULE 443.1.

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Other Information  
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Other Information: SINCE REGULATIONS VARY, CONSULT APPLICABLE REGULATIONS OR  
AUTHORITI  
ES BEFORE DISPOSAL. IN THE EVENT OF AN UNCONTROLLED RELEASE OF THIS  
MATERIAL, THE USER SHOULD DETERMINE IF THE RELEASE QUALIFIES AS A REPORTABLE  
QUANTITY. US EPA HAZARDOUS WASTE NUMBER = D001 (IGNITABLE). ABBREVIATIONS:  
N/D=NOT DETERMINED. N/A=NOT APPLICABLE. CA=APPROXIMATELY.

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Transportation Information  
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Responsible Party Cage: 1A9T3  
Trans ID NO: 153762  
Product ID: POLYURETHANE  
PROTECTIVE TAPE ADHESION PROMOTOR 86A (SEE SUPP  
MSDS Prepared Date: 08/06/1998  
Review Date: 06/23/2000  
MFN: 1  
Tech Entry NOS Shipping Nm: ISOPROPYL ALCOHOL AND PROPYL ALCOHOL  
Net Unit Weight: 0.9 LB  
Multiple KIT Number: 0  
Unit Of Issue: PT  
Container QTY: 1  
Type Of Container: UNKNOWN  
Additional Data: PROPER SHIPPING NAME IS BEST GUESS BY DLA- STAFF.

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Detail DOT Information  
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DOT PSN Code:

AHF  
DOT Proper Shipping Name: ALCOHOLS, N.O.S.  
Hazard Class: 3  
UN ID Num: UN1987  
DOT Packaging Group: II  
Label: FLAMMABLE LIQUID  
Special Provision: T8,T31  
Non Bulk Pack: 202  
Bulk Pack: 242  
Max Qty Pass: 5 L  
Max Qty Cargo: 60 L  
Vessel Stow Req: B

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Detail IMO Information  
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IMO PSN Code: AMT  
IMO Proper Shipping Name: ALCOHOLS, N.O.S. o  
IMDG Page Number: 3175  
UN Number: 1987  
UN Hazard Class  
: 3.2  
IMO Packaging Group: II  
Subsidiary Risk Label: -  
EMS Number: 3-06  
MED First Aid Guide NUM: 305

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Detail IATA Information  
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IATA PSN Code: ARC  
IATA UN ID Num: 1987  
IATA Proper Shipping Name: ALCOHOLS, N.O.S. \*  
IATA UN Class: 3  
IATA Label: FLAMMABLE LIQUID  
UN Packing Group: II  
Packing Note Passenger: 305  
Max Quant Pass: 5L  
Max Quant Cargo: 60L  
Packaging Note Cargo: 307  
Exceptions: A3

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Detail AFI Information  
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AFI PSN Code: ARF  
AFI Symbols: \*  
AFI Proper Shipping Name: ALCOHOLS, N.O.S.  
AFI Hazard Class: 3  
AFI UN ID NUM: UN1987  
AFI Packing Group: II  
Special Provisions: P5  
Back Pack Reference: A7.3

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HAZCOM Label  
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Product ID: POLYURETHANE PROTECTIVE TAPE ADHESION

PROMOTOR 86A (SEE SUPP

Cage: 1A9T3

Company Name: MINNESOTA MINING AND MFG ADHESIVES DIV

Street: 3M CENTER

City: SAINT PAUL MN

Zipcode: 55144-1000

Health Emergency Phone: 612-733-1110

Label Required IND: Y

Date Of Label Review: 06/23/2000

Status Code: A

Year Procured: 2000

Origination Code: F

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: Severe

Reactivity Hazard:

None

Hazard And Precautions: EYE CONTACT: MODERATE EYE IRRITATION, SKIN CONTACT: MODERATE SKIN IRRITATION AFTER PROLONGED OR REPEATED CONTACT.MAY BE ABSORBED THROUGH THE SKIN AND PRODUCE EFFECTS SIMILAR TO THOSE CAUSED BY INHALATION AND OR INGESTION. INHALATION: CENTRAL NERVOUS SYSTEM DEPRESSION AND IRRITATION UPPER RESPIRATORY. IF SWALLOWED: IRRITATION OF GASTROINTESTINAL TISSUES. TARGET ORGANS: NO DATA PROVIDED BY RESPONSIBLE PARTY.

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