

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

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MSDS Safety Information
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FSC: 6850

NIIN: 01-326-1607

MSDS Date: 05/18/2001

MSDS Num: CLHTZ

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

MFN: 02

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
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Item Description Information
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Item Manager: S9G

Item Name: PRIMER,PRESSURE SENSITIVE TAPE

Specification Number: UNKNOWN

Unit of Issue: PT

UI Container Qty: 1

Type of Container: UNKNOWN
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Ingredients
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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

% low Wt: 5.

% high Wt: 10.

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

Cas: 71-23-8

RTECS #: UH8125000

Name: PROPYL ALCOHOL

% 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 Exposure: 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 Symptoms Of Overexposure: EYE REDNESS /SWELLING /PAIN/ TEARING, HAZY

VISION, SKIN: REDNESS SWELLING ITCHING DRYNESS. INHALATION: 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, DROWSINESS, 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. 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, BANKS AROUND ARMS, WAIST AND LEGS, FACE MASK, AND PROTECTIVE COMERING 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: NATURAL RUBBER, NEOPRENE, NITRILE RUBBER GLOVES

Eye Protection: WEAR UNVENTED GOGGLES DURING OPERATIONS WHERE EXP

OSURE 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 HANDLING 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

B.P. Text: CA.

Vapor Pres: 33 MMHG

Vapor Density: 2.10

Spec Gravity: 0.820

Viscosity: 50-100 CPS

Evaporation Rate & Reference: N/D

Solubility in Water: APPREC.

Appearance and Odor: LIQUID, CLEAR SOLVENT ODOR

Percent 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 Information

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

Federal Regulatory Info

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
AUTHORITIES 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 Code: 1A9T3
Trans ID NO: 158224
Product ID: POLYURETHANE PROTECTIVE TAPE ADHESION PROMOTOR 86A (SEE SUPP
MSDS Prepared Date: 05/18/2001
Review Date: 08/13/2001
MFN: 2
Tech Entry NOS Shipping Nm: ISOPROPYL ALCOHOL, PROPYL ALCOHOL
Net Unit Weight: 0.9 LBS
Multiple KIT Number: 0
Unit Of Issue: PT
Container QTY: 1
Type Of Container: UNKNOWN

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Detail DOT Information
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DOT PSN Code: GJJ
Symbols: G
DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
Hazard Class: 3
UN ID Num: UN1993
DOT Packaging Group: II
Label: FLAMMABLE LIQUID
Special Provision: T8,T31
Non
Bulk Pack: 202
Bulk Pack: 242
Max Qty Pass: 5L
Max Qty Cargo: 60 L
Vessel Stow Req: B

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Detail IMO Information
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IMO PSN Code: HIN
IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. o
IMDG Page Number: 3230
UN Number: 1993
UN Hazard Class: 3.2
IMO Packaging Group: I/II
Subsidiary Risk Label: -
EMS Number: 3-07
MED First Aid Guide NUM: T

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Detail IATA Information

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IATA PSN BV
IATA UN ID Num: 1993
IATA Proper Shipping Name: FLAMMABLE LIQUID, 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
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Detail AFI Information

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AFI PSN BV
AFI Symbols: *
AFI
Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
AFI Hazard Class: 3
AFI UN ID NUM: UN1993
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: 08/13/2001
Status Code: A
Origination Code: F
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: DANGER
Respiratory Protection IND: YES
Health Hazard: Moderate
Contact Hazard: Moderate
Fire Hazard: Severe
Reactivity Hazard: None
Hazard And Precautions: TARGET ORGANS: N/P. 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 T HOSE CAUSED BY INHALATION AND OR INGESTION. INHALATION: CENTRAL NERVOUS SYSTEM DEPRESSION AND IRRITATION UPPER RESPIRATORY. IF SWALLOWED: IRRITATION OF GASTROINTESTINAL TISSUES.

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