

MINNESOTA MINING AND MFG CO -- 70-0701-8275-6;POLYURETHANE PROTECTIVE TAPE
ADHES.PROMOTR#86 -- 6850-01-326-1607

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

Product ID:70-0701-8275-6;POLYURETHANE PROTECTIVE TAPE ADHES.PROMOTR#86

MSDS Date:02/15/1995

FSC:6850

NIIN:01-326-1607

MSDS Number: BWGNP

=== Responsible Party ===

Company Name:MINNESOTA MINING AND MFG CO

Address:3M CTR 224-2S-25

City:ST. PAUL

State:MN

ZIP:55144-1000

Country:US

Info Phone Num:612-733-1341/612-733-1110

Emergency Phone Num:612-733-1341

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

Company Name:SUMMIT ASSOCIATES

Address:10910-H SOUTHLAKE COURT

Box:City:RICHMOND

State:VA

ZIP:23236-3914

Country:US

Phone:804-794-1434

CAGE:9X866

===== Compositi

on/Information on Ingredients =====

Ingred Name:ISOPROPYL ALCOHOL (SARA III)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 73-77%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9394

Ingred Name:TOLUENE (SARA III)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 16-18%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM; Z-2
ACGIH TLV:S, 50 PPM; 9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:FATTY
ACIDS,C18-UNSATD.,DIMERS,W/EDTA;1,3-(PROPAN
EDIYL)BIS(PIPERIDINE);SE
BASIC ACID
CAS:68989-76-4
Fraction by Wt: 5-7.5%
Other REC Limits:NONE RECOMMENDED

Ingred Name:VOLATILE ORGANIC CONTENT=786G/L
RTECS #:9999999VO
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:TLV FOR ISOPROPANOL IS 500PPM TWA
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES:MAY CAUSE IRRITATION
.SKIN:MAY

CAUSE IRRITATION.INGEST:MAY CAUSE GI TRACT IRRITATION.MAY CAUSE
LUNG DAMAGE IF VOMITED AFTER INGESTING.INHAL:MAY CAUSE RESPIRATORY
IRRITATION AND CNS EFFECTS.HEART S TOPPAGE FROM DELIBERATELY
INHALING CONCENTRATED VAPORS.CHRONICLMAY DAMAGE HEART,KIDNEY,LIVER
AND BLOOD FORMING ORGANS.

Explanation of Carcinogenicity:TOLUENE IS LISTED BY THE STATE OF
CALIFORNIA AS CAUSING BIRTH DEFECTS.

Effects of Overexposure:EYES:REDNESS,SWELLING,PAIN,TEARING,HAZY
VISION.SKIN

:REDNESS,ITCHING,DRYNESS.INHAL:COUGHING,SNEEZING,HEADACHE,DROWSINESS,DIZZINESS,INCOORDINATION,SLOWER REACTION TIMES,GIDDINESS,POSSIBLE UNCONSCIOUSNESS.INGEST:SIMILAR SYMPTOMS AS INHALATION.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING HEART,LIVER,KIDNEY AND BLOOD DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:GET PROMPT QUALIFIED MEDICAL ATTENTION.INDUCE VOMITING ONLY AS DIRECTED BY MEDICAL PERSONNEL.

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

Flash Point:43.0F-47.0F

Autoignition Temp:Autoignition Temp Text:750F

Lower Limits:1.2

Upper Limits:12.5

Extinguishing Media:DRY CHEMICAL,CARBON DIOXIDE,FOAM.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND

FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire/Explosion Hazard:**CLASS 1B FLAMMABLE LIQUID** VAPORS ARE HEAVIER THAN AIR,CAN TRAVEL DISTANCES ALONG THE GROUND,AND FLASHBACK AT THE SOURCE.CONTAINERS MAY BURST FROM HEAT.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION.USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.VENTILATE AREA.SOAK UP WITH A NON-

COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN METAL CONTAINER FOR DISPOSAL.FOR ASSISTANCE:612-733-1110/6100.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM HEAT,SPARKS,FLAMES AND INCOMPATIBLE MATERIALS.KEEP DRY.

Other Precautions:GROUND CONTAINERS WHEN TRANSFERRING LIQUID;FLOWING HYDROCARBONS

AN BECOME ELECTROSTATICALLY CHARGED.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:NBR,NEOPRENE,NITRILE

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A

LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:USE REASONABLE CARE IN HANDLING THIS PRODUCT.WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A, SAME NSN.

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

HCC:F2

Boiling Pt:=82.C, 179.6F

Vapor Pres:33.6

Vapor Density:2.1

Spec Gravity:0.85

Viscosity:40-4000CPS

Solubility in Water:PARTIAL

Appearance and Odor:LIQUID,OILY;SOLVENT ODOR.COLOR NOT REPORTED.

Percent Volatiles by Volume:93-95

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

Stability Indicator/Materials to Avoid:YES

HMIS SUGGESTS STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:HIGH HEAT,SOURCES OF IGNITION.

Hazardous Decomposition Products:CARBON DIOXIDE,CARBON MONOXIDE

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

Waste Disposal Methods:INCINERATE OR DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LO

CAL REGULATIONS.HMIS SUGGESTS EPA CODE
D001(IGNITABLE).

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.