

# MATERIAL SAFETY DATA SHEET

NPCA 1-82

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

## Section I

MANUFACTURER'S NAME AMF INCORPORATED (DISTRIBUTOR)

DATE OF PREP MARCH 1, 1986

STREET ADDRESS 151 MARTIN DRIVE

CITY, STATE, AND ZIP CODE AMF BOWLING GREEN, KY 40305

EMERGENCY TELEPHONE NO CHEMTREC 1-800-424-9300

PRODUCT CLASS Urethane Prepolymer Solution

INFORMATION TELEPHONE NO (419) 347-5522

MANUFACTURERS CODE IDENTIFICATION AMF #039-009-762

TRADE NAME AMFlite II Urethane Pin Coat, Clear

## Section II—HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	OCCUPATIONAL EXPOSURE LIMITS	VAPOR PRESSURE	TOXICITY DATA
Xylene (CAS# 1330-20-7)	44	100 PPM	9.5	1.0%
Ethyl Benzene (CAS# 100-41-4)	11	100 PPM	10.0	1.0%
Methoxy Propanol Acetate (CAS# 108-65-6)	3	PPM Not Established	2.4	1.5%
Isophorone Diisocyanate (CAS# 4098-71-9)	< 5*	0.01 PPM	0.0003	N/A
Prepolymer Resin (Identity trade secret)	37	PPM Not Established	Not Volatile	N/A

\*No official method; determined by gas chromatography.

## Section III—PHYSICAL DATA

BOILING RANGE 275 - 302°F (Solvents)

VAPOR DENSITY

 HEAVIER LIGHTER THAN AIREVAPORATION RATE  FASTER  SLOWER THAN ETHER

PERCENT VOLATILE BY VOLUME 64

WEIGHT PER GALLON

8.0 lbs.

## Section IV—FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION

OSHA Flammable Liquid - Class 1-C  
DOT Flammable Liquid

FLASH POINT

79°F

LEL Not given

EXTINGUISHING MEDIA

 FOAM "ALCOHOL" FOAM CO<sub>2</sub> DRY CHEMICAL WATER FOG OTHER

UNUSUAL FIRE AND EXPLOSION HAZARDS Keep containers tightly closed when not in use. Vapors may migrate to ignition source and cause flash fire. Isolate from all sources of heat, sparks (including electrical sparks and static discharge sparks from fabrics) electrical equipment, appliances, pilot lights, smoking materials, flames and all other sources of ignition.

SPECIAL FIRE FIGHTING PROCEDURES: Fight as volatile liquid fire. Closed containers may explode when exposed to extreme heat. Use water to keep fire-exposed containers cool to reduce pressure. Fire fighters should wear self-contained breathing apparatus.

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## Section V—HEALTH HAZARD DATA

**EFFECTS OF OVEREXPOSURE** Reports have associated repeated and prolonged occupational over-exposure to solvents with permanent brain and nervous system damage.

Overexposure to Xylene has been found to cause anemia, liver abnormalities, kidney damage, eye damage and cardiac abnormality.

Overexposure to Methoxy Propanol Acetate has been associated with injury to the liver and kidney. Eye contact may cause corneal injury.

**PRIMARY ROUTE(S) OF ENTRY:**  DERMAL  INHALATION  INGESTION

**EMERGENCY AND FIRST AID PROCEDURES** Remove patient to fresh air. Remove saturated clothing and wash skin thoroughly, preferably with tincture of green soap or soap and water. Flush eyes with clean water for 15 minutes. If symptoms persist, seek medical attention. Wash clothing before reuse.

## Section VI—REACTIVITY DATA

**STABILITY**  UNSTABLE  STABLE

**CONDITIONS TO AVOID** Not applicable.

**INCOMPATIBILITY (Materials to avoid)**

Avoid contact with strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Usual products of combustion - carbon monoxide, carbon dioxide and possibly oxides of nitrogen.

**HAZARDOUS POLYMERIZATION**  MAY OCCUR  WILL NOT OCCUR

## Section VII—SPILL OR LEAK PROCEDURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Remove sources of ignition. Provide ventilation and/or respiratory protection. Large spills may be picked up with nonsparking tools, small spills with absorbent material. Residues may be decontaminated with water/alcohol or ammonia solutions.

**WASTE DISPOSAL METHOD**

Place in closed containers. If necessary to decontaminate, do not close containers until evolution of carbon dioxide is complete. Incinerate (first open closed containers) or use secure landfill in accordance with local, state and federal regulations.

## Section VIII—SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION**

Follow OSHA regulation 29CFR 1910.134 for respirator use. Use air purifying respirator. Supplier has demonstrated to be effective for solvent and isocyanate vapors when concentration exceed TLV.

**VENTILATION**

Designed and maintained to provide volume and pattern to prevent vapor concentration in excess of TLV or LEL.

**PROTECTIVE GLOVES**

Neoprene rubber gloves

**OTHER PROTECTIVE EQUIPMENT**

**EYE PROTECTION**

Goggles or side-shield spectacles

Eye wash station and safety showers should be available

## Section IX—SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Closed containers may explode when exposed to extreme heat. Store away from heat, sparks and flames. Avoid prolonged skin contact. Do not breathe spray mist.

**OTHER PRECAUTIONS**

Ground containers while pouring and limit free fall to a few inches to prevent static sparks. Emptied containers may retain hazardous properties. Do not cut, puncture or weld on or near the container.