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LIQUID MEMBRANE 6090  
SOLVENTLESS  
HORIZONTAL & VERTICAL

**SECTION I**

CHEMICAL NAME & SYNONYMS: Two-component Liquid Rubber  
CHEMICAL FAMILY: N. Av.  
TRADE NAME & SYNONYMS: Liquid Membrane 6090  
FORMULA: N. Av.

**SECTION II – HAZARDOUS INGREDIENTS**

<u>INGREDIENT</u>	<u>C.A.S. #</u>	<u>%</u>	<u>TLV EXPOSURE LIMITS</u>
DIPHENYLMETHANE DIISOCYANATE (ACTIVATOR)	26447-40-5	0.8	0.02 ppm

**SECTION III – PHYSICAL DATA**

BOILING POINT (°F): 280.4 PERCENT VOLATILE BY VOLUME: 7.5  
VAPOR PRESSURE (mmHg @ 20°C): < 1  
VAPOR DENSITY (AIR=1): N. App. EVAPORATION RATE (BUTYL ACETATE=1): N. App.  
SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.3

SOLUBILITY IN WATER: Base: None Activator: reacts with water  
APPEARANCE AND ODOR: Base: black liquid, petroleum odor Activator: dark brown liquid, slight musty odor

**SECTION IV – FIRE AND EXPLOSION HAZARDS**

FLASH POINT (METHOD USED): N. Av.  
FLAMMABLE LIMITS: N. Av.

EXTINGUISHING MEDIA: CO<sub>2</sub>, dry chemical foam, water spray  
SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters must wear self-contained breathing apparatus and protective clothing.  
UNUSUAL FIRE/EXPLOSION HAZARDS: Avoid water contamination of activator in closed or confined spaces.

**SECTION V – HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE(S): LD 50, ORAL > 20,000 mg/kg, DERMAL > 7,940 mg/kg

SIGNS/SYMPTOMS/EFFECTS OF OVEREXPOSURE: Irritating to eyes and respiratory tract. Skin sensitization in some people. Allergic sensitivity possible in some people.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with water for 15 minutes. Consult physician.

SKIN: Wash with tincture of green soap & water for 15 minutes. Consult physician.

INHALATION: Remove to uncontaminated area.

INGESTIONS: Consult physician.

**SECTION VI – REACTIVITY DATA**

STABILITY: Stable  
CONDITIONS TO AVOID: Temperatures > 120°F or < 32°F.

HAZARDOUS POLYMERIZATION: May occur with activator  
CONDITIONS TO AVOID: Contact with moisture and other materials that react with isocyanate

INCOMPABILITY (MATERIALS TO AVOID): Water, bases, alcohol, strong oxidizers  
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide & sulfur on combustion

**SECTION VII – SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:  
Cover with loose absorbent material. Place in open containers and treat with dilute NH<sub>4</sub>OH for 24 hours. Ventilate area.

WASTE DISPOSAL METHODS:  
Liquid material is designated as hazardous waste until all solvents have evaporated. Dispose of in accordance with state and federal regulations.

**SECTION VIII – SPECIAL PROTECTION INFORMATION**

VENTILATION (TYPE): Good ventilation necessary

RESPIRATORY PROTECTION: Not required due to low vapor pressure

PROTECTIVE CLOTHING & EQUIPMENT: Goggles and resistant gloves

**SECTION IX – SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep material dry

*Information presented herein has been compiled from sources considered to be dependable and current, and is accurate and reliable to the best of our knowledge, but is not guaranteed to be so. It is the user's responsibility to determine for himself the suitability of this information for his safe use of this product, and to adopt such proper safety precautions as may be necessary to provide adequate worker and plant protection.*