

**MATERIAL SAFETY DATA SHEET**

Date: June 6, 1997

SECTION I

SYNTHETIC SURFACES INC.

P. O. Box 241 - 2450 Plainfield Avenue

Scotch Plains, NJ 07076-0241 U. S. A., Telephone Number: (908) 233-6803

EMERGENCY RESPONSE PHONE NUMBER: 1-800-424-9300 CHEMTREC

OTHER EMERGENCY PHONE NUMBERS: (908) 233-6803 (908-889-5586) (973-625-0927)

TRADE NAME: NORDOT® Adhesive #34N-2 CHEMICAL NAME: Polyisocyanate Resin

SECTION II - HAZARDOUS INGREDIENTS

| INGREDIENTS: | % | TLV (Units) |
|--|----|-------------|
| Methyl Ethyl Ketone - CAS Number 78-93-3 | 35 | 200 ppm |
| Diphenyl Methane 4,4' Diisocyanate (MDI) - CAS Number 101-68-8 | <2 | 0.02 ppm |

SECTION III - PHYSICAL DATA

VAPOR DENSITY: Heavier than air

SOLUBILITY IN WATER: Not soluble

APPEARANCE AND ODOR: Hazy, amber liquid with solvent odor

SPECIFIC GRAVITY (H₂O=1): 0.99

EVAPORATION RATE: Slower than ether

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used): 21° F. Tag Open Cup

EXTINGUISHING MEDIA: Foam, Dry Chemical, CO₂

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: 200 ppm for Methyl Ethyl Ketone, 0.02 ppm for Isocyanates

EFFECTS OF OVEREXPOSURE:

ACUTE: Causes irritation to eyes, respiratory tract and skin.

CHRONIC: May cause serious and possibly irreversible pulmonary injury.

EMERGENCY AND FIRST AID PROCEDURES:

Eye Contact - Flush 15 minutes with water. Call a physician.

Skin Contact - Wash with soap and water.

Inhalation - Remove to fresh air and if necessary, use oxygen.

SECTION VI - REACTIVITY DATA

STABILITY: Stable . **CONDITIONS TO AVOID:** Contact with moisture and other material which react with isocyanates.

INCOMPATIBILITY (Materials to avoid): Avoid contact with water.

HAZARDOUS DECOMPOSITION PRODUCTS: By fire: CO₂, CO, Oxides of Nitrogen

HAZARDOUS POLYMERIZATION: Will not occur . **CONDITIONS TO AVOID:** Contact with moisture

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Avoid open flames or sparks. Provide adequate ventilation. Absorb with sweeping/cleaning compound.

WASTE DISPOSAL METHOD: Follow practice for disposal of flammable organic solvents and be in accordance with Federal, State and Local regulations regarding environmental control.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATOR PROTECTION (Specific Type): Masks (Respirator) approved for organic vapors, isocyanates and solvents.

VENTILATION - LOCAL EXHAUST: To maintain vapor concentration below TLV.

PROTECTIVE GLOVES: Chemically resistant rubber or plastic.

EYE PROTECTION: Chemical safety goggles

OTHER PROTECTIVE EQUIPMENT: None

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid open flames, sparks, excessive heat. Provide adequate ventilation.

OTHER PRECAUTIONS: When spraying, use respiratory protection approved for organic vapors, isocyanates and solvents. The TLV for airborne isocyanates is 0.02 ppm.

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SECTION X

EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT, Section 313

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372.

| CAS NUMBER | CHEMICAL NAME | PERCENT BY WEIGHT |
|-------------------|-----------------------------------|--------------------------|
| 78-93-3 | Methyl Ethyl Ketone | 35 |
| 101-68-8 | Methylene BIS (Phenyl Isocyanate) | <2 |

This information must be included in all MSDS's that are copied and distributed for this material.