

# Material Safety Data Sheet

Date last revised DECEMBER, 2006

| <b>I. GENERAL INFORMATION</b>  |  |  |
|--|--|--|
| Chemical Name & Synonyms<br>DIISOCYANATE POLYMER IN SOLVENT  | Trade Name & Synonyms<br>806 TOP COAT          |  |
| Chemical Family<br>URETHANE  | Formula<br>MIXTURE                             |  |
| Proper DOT Shipping<br>PAINT, 3, UN1263, III   | DOT Hazard Classification<br>FLAMMABLE LIQUID  |  |
| Manufacturer<br>PECORA CORPORATION   | Manufacturer's Phone Number<br>215-723-6051    |  |
| Manufacturer's Address<br>165 Wambold Road, Harleysville, PA 19438   | Chemtrec Phone Number<br>800-424-9300          |  |
| <b>II. INGREDIENTS</b>   |  |  |
| Principal Hazardous Components<br>AROMATIC HYDROCARBON SOLVENT (CAS # 64742-95-6)  | Percent<br>15 - 20 %                           | Threshold Limit Value (Units)<br>300 PPM TWA, ACGIH              |
| ALIPHATIC DIISOCYANATE (CAS# 4098-71-9)<br>2-PROPANOL, 1-METHOXY, ACETATE (CAS # 108-65-6)   | 10 - 20 %<br>5 - 15 %                          | 0.005 PPM TWA, OSHA PEL<br>100 PPM TWA                           |
| TOLUENE DIISOCYANATE (CAS #26471-62-5)<br>BLOCKED CYCLOALIPHATIC DIAMINE (CAS# 54914-37-3)<br>METHYLENE DIANILINE (CAS# 101-77-9)                        | 1.0 - 3.0%<br>0.1 - 2.0%<br>0.1 - 1.0%         | 0.005 PPM TWA, OSHA PEL<br>NOT ESTABLISHED<br>0.1 PPM TLV, ACGIH |
| QUARTZ (CAS# 14808-60-7)   | 0.1 - 0.2%                                     | 0.05 mg/m3 TWA, NIOSH  |
| THIS PRODUCT CONTAINS CHEMICAL WHICH ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA AND 40 CFR, PART 372.                              |  |  |
| HEALTH 2*  | FLAMMABILITY 2                                 | REACTIVITY 1   |
| <b>III. PHYSICAL DATA</b>  |  |  |
| Boiling Point (°F)<br>280 - 500° F   | Specific Gravity (H <sub>2</sub> O = 1)<br>1.1 |  |
| Vapor Pressure (mm Hg.)<br>3.7 @ 20 °C   | Percent Volatile by Volume (%)<br>ND           |  |
| Vapor Density (Air = 1)<br>>1  | Evaporation Rate (ETHER= 1)<br>SLOWER          |  |
| Solubility in Water<br>NEGLIGIBLE  | pH<br>N/A                                      |  |
| Appearance & Odor<br>VISCIOUS LIQUID WITH TYPICAL SOLVENT ODOR.  |  |  |
| <b>IV. FIRE &amp; EXPLOSION HAZARD DATA</b>  |  |  |
| Flash Point (Test Method)<br>100° F T.C.C.   | Auto Ignition Temperature<br>UNKNOWN           |  |
| Flammable Limits<br>LOWER: 1%                      UPPER: 13%  |  |  |
| Extinguishing Media:<br>CO <sub>2</sub> , FOAM, DRY CHEMICAL   |  |  |
| Special Fire Fighting Procedures:<br>WEAR NIOSH / MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTOVE SUIT                              |  |  |
| Unusual Fire & Explosion Hazards: CLOSED CONTAINERS MAY BURST OR EXPLODE WHEN EXPOSED TO EXTREME HEAT. AVOID THE USE OF WATER EXCEPT TO COOL CONTAINERS. |  |  |

**V. Health Hazard Data**

|   |   |   |                        |
|---|---|---|------------------------|
| OSHA Permissible Exposure Limit<br>SEE SECTION II   |   | ACGIH Threshold Limit Value<br>SEE SECTION II         |                        |
| Carcinogen – NTP Program<br>DIISOCYANATES AND QUARTZ  |   | Carcinogen – IARC Program<br>DIISOCYANATES AND QUARTZ |                        |
| Symptoms of Exposure: CAUSES SEVERE SKIN AND EYE IRRITATION. MAY CAUSE SENSITIZATION. MODERATELY TOXIC BY INGESTION. MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA AND VOMITING. INHALATION MAY CAUSE NOSE, THROAT, AND RESPIRATORY IRRITATION. MAY CAUSE CNS DEPRESSION INCLUDING HEADACHE, DIZZINESS, NAUSEA, AND POSSIBLY GIDDINESS. LONG TERM EXPOSURE TO SOLVENT MAY LEAD TO PERMANENT NERVOUS SYSTEM DAMAGE. PREEXISTING EYE, SKIN, AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE.<br>Medical Conditions Aggravated By Exposure: PRECLUDE FROM EXPOSURE THOSE INDIVIDUALS HAVING A HISTORY OF ASTHMA, LUNG AND NERVOUS SYSTEM DISORDERS, WHICH MAY BE AGGRAVATED BY EXPOSURE AND/OR INGESTION. ALSO PRECLUDE FROM EXPOSURE THOSE INDIVIDUALS WITH TDI SENSITIZATION OR ISOCYANATE HYPERSENSITIVITY. |   |   |                        |
| Primary Route (s) of Entry:<br>INHALATION, SKIN CONTACT, EYE  |   |   |                        |
| Emergency First Aid: EYES: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. SKIN: WASH PROMPTLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE REUSE. DISCARD CONTAMINATED SHOES. INGESTION: CALL PHYSICIAN. DO NOT INDUCE VOMITING. INHALATION: REMOVE TO FRESH AIR. ARTIFICIAL RESPIRATION IF NOT BREATHING. GIVE OXYGEN.   |   |   |                        |
| <b>VI. REACTIVITY DATA</b>  |   |   |                        |
| Stability   | <input type="checkbox"/>  | Unstable  | Conditions to Avoid    |
|   | <input checked="" type="checkbox"/>                                       | Stable  | EXTREME HEAT AND FIRE. |
| Incompatibility   | Materials to Avoid<br>WATER, STRONG ACIDS, STRONG BASES, STRONG OXIDIZERS |   |                        |
| Hazardous   | <input type="checkbox"/>  | May Occur   | Conditions to Avoid    |
| Polymerization  | <input checked="" type="checkbox"/>                                       | Will Not Occur  |                        |
| Hazardous Decomposition Products:<br>CO <sub>2</sub> , CO, HCN, NO <sub>x</sub> , OTHER HYDROCARBONS  |   |   |                        |
| <b>VII. ENVIRONMENTAL PROTECTION PROCEDURES</b>   |   |   |                        |
| Spill Response: REMOVE ALL IGNITION SOURCES. STOP SPILL OR LEAK AT ONCE. ABSORB WITH OIL ABSORBING COMPOUND. PUT IN OPEN DRUMS. TREAT WITH WATER CONTAINING 1% AMMONIA. ALL COMPONENTS ARE INCLUDED ON THE U.S. TSCA AND CANADIAN DSL REGISTRIES.   |   |   |                        |
| Waste Disposal Method: SHOVEL INTO DRUMS. INCINERATE AND/OR LAND BURIAL WHERE STATUTES PERMIT. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.  |   |   |                        |
| <b>VIII. SPECIAL PROTECTION INFORMATION</b>   |   |   |                        |
| Eye Protection<br>WEAR SAFETY GOGGLES   | Skin Protection<br>USE APPROP CHEMICAL RESISTANT GLOVES                   |   |                        |
| Respiratory Protection (Specific Type) ADEQUATE VENTILATION<br>BREATHING APPARATUS/PRESSURE HOSE MASK   | Ventilation Recommended<br>LOCAL OR MECHANICAL                            |   |                        |
| Other Protection:<br>GOOD PERSONAL HYGIENE PRACTICES; EYE WASH FACILITY AND SAFETY SHOWER   |   |   |                        |
| <b>IX. SPECIAL PRECAUTIONS</b>  |   |   |                        |
| Hygienic Practices In Handling & Storage: AVOID CONTACT WITH EYES, SKIN, CLOTHING, SHOES. WEAR SUITABLE PROTECTIVE CLOTHING. DO NOT BREATHE VAPOR OR MIST. USE WITH ADEQUATE VENTILATION AND/OR APPROPRIATE PROTECTIVE EQUIPMENT. DO NOT TAKE INTERNALLY. KEEP CONTAINER CLOSED. WASH THOROUGHLY WITH SOAP AND WATER AFTER USE AND BEFORE EATING. STORE AT 50-90° F., AWAY FROM DIRECT SUNLIGHT.  |   |   |                        |
| Precautions For Repair & Maintenance of Contaminated Equipment:<br>SEE SECTION VI, VII, AND VIII  |   |   |                        |
| <b>KEEP OUT OF REACH OF CHILDREN!!!!</b>  |   |   |                        |