

# Material Safety Data Sheet

Date last revised JANUARY, 2004

<b>I. GENERAL INFORMATION</b>		
Chemical Name & Synonyms AROMATIC ISOCYANATE	Trade Name & Synonyms 802-SP BASE COAT	
Chemical Family URETHANE	Formula MIXTURE	
Proper DOT Shipping COMBUSTIBLE LIQUID	DOT Hazard Classification COMBUSTIBLE LIQUID UN 1263	
Manufacturer PECORA CORPORATION	Manufacturer's Phone Number 215-723-6051	
Manufacturer's Address 165 Wambold Road, Harleysville, PA 19438	Chemtrec Phone Number 800-424-9300	
<b>II. INGREDIENTS</b>		
Principal Hazardous Components Quartz (CAS # 14808-60-7)	Percent 0.2 - 1	Threshold Limit Value (Units) 0.05mg/m <sup>3</sup> TWA, NIOSH
Aromatic Hydrocarbon Solvent (CAS # 64742-94-5) Toluene Diisocyanate (CAS 26471-62-5)	10 - 15 0- 0.1	300 ppm ACGIH TWA 0.0005 ppm OSHA PEL
2-METHOXY-1-1, Methylene Acetate (CAS # 108-65-6)	1 - 5	
THIS PRODUCT CONTAINS THE FOLLOWING SARA, TITLE III, SECTION 313. THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.		
HEALTH 2	FLAMMABILITY 2	REACTIVITY 1
<b>III. PHYSICAL DATA</b>		
Boiling Point (°F) 284 - 484° F	Specific Gravity (H <sub>2</sub> O = 1) 1.2	
Vapor Pressure (mm Hg.) 3.7 mm Hg @ 20°C	Percent Volatile by Volume (%) 10 - 15	
Vapor Density (Air = 1) > AIR	Evaporation Rate (ETHER = 1) ND	
Solubility in Water NEGLIGIBLE	pH N/A	
Appearance & Odor Gray viscous liquid		
<b>IV. FIRE &amp; EXPLOSION HAZARD DATA</b>		
Flash Point (Test Method) 150° F T.C.C.	Auto Ignition Temperature N/A	
Flammable Limits LOWER: 1.52                      UPPER 12.0	LEL UNKNOWN	UEL UNKNOWN
Extinguishing Media: CO <sub>2</sub> , FOAM, DRY CHEMICAL		
Special Fire Fighting Procedures: WEAR NIOSH / OSHA APPROVED RESPIRATORS, USE WATER SPRAY ONLY TO COOL CONTAINERS. DO NOT PUT WATER ON LEAKED MATERIAL. WEAR FULL PROTECTIVE GEAR.		
Unusual Fire & Explosion Hazards: VAPORS MAY BE IGNITED BY HEAT OR SPARKS. HEAT-EXPOSED CONTAINERS MAY BURST. MATERIAL MAY COLLECT STATAIC CHARGES WHICH CAN CAUSE AN INCENDIARY ELECTRIC DISCHARGE. EMPTY CONTAINERS CONTAIN PRODUCT RESIDUES. DO NOT PRESSURIZE, CUT, WELD, DRILL, GRIND OR EXPOSE CONTAINERS TO HEAT FLAME, SPARKS, STATIC ELECTRICITY OR OTHR SOURCE OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.		

**V. Health Hazard Data**

OSHA Permissible Exposure Limit SEE SECTION II	ACGIH Threshold Limit Value SEE SECTION II
Carcinogen – NTP Program NO	Carcinogen – IARC Program NO
Symptoms of Exposure: TOXIC BY INGESTION. CAUSES GASTROINTESTINAL IRRITATION, NAUSEA AND VOMITING. LONG TERM EXPOSURE TO SOLVENT MAY LEAD TO PERMANENT NERVOUS SYSTEM DAMAGE. INDIVIDUALS WITH PAST HISTORY OF ISOCYANATE HYPERSENSITIVITY MUST NOT BE EXPOSED TO SPRAY MISTS CONTAINING ISOCYANATES.	
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: INHALATION, SKIN CONTACT, EYE	
Emergency First Aid: EYES: IMMEDIATELY FLUSH WITH PLENTY OF 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.	

**VI. REACTIVITY DATA**

Stability	<input type="checkbox"/>	Unstable	Conditions to Avoid
	<input checked="" type="checkbox"/>	Stable	COMPOUND WITH STRONG OXIDIZING MATERIALS OR BASIC COMPOUND.
Incompatibility			Materials to Avoid STRONG ALKALI, STRONG OXIDIERS
Hazardous	<input type="checkbox"/>	May Occur	Conditions to Avoid
Polymerization	<input checked="" type="checkbox"/>	Will Not Occur	ORGANIC ACIDS SUCH AS HCL AND CO, CO <sub>2</sub> , AND NOX.
Hazardous Decomposition Products:			

**VII. ENVIRONMENTAL PROTECTION PROCEDURES**

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. THIS PRODUCT AND INGREDIENTS HAVE BEEN REGISTERED UNDER THE TOXIC SUBSTANCE CONTROL ACT.

Waste Disposal Method: SHOVEL INTO DRUMS. INCINERATE AND/OR LAND BURIAL WHERE STATUTES PERMIT. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**VIII. SPECIAL PROTECTION INFORMATION**

Eye Protection SAFETY GLASSES	Skin Protection NEOPRENE (RUBBER) GLOVES
Respiratory Protection (Specific Type) ADEQUATE VENTILATION BREATHING APPARATUS/PRESSURE HOSE MASK	Ventilation Recommended LOCAL OR MECHANICAL
Other Protection: EYE WASH FACILILTY AND SAFETY SHOWER	

**IX. SPECIAL PRECAUTIONS**

Hygienic Practices In Handling & Storage: AVOID CONTACT WITH EYES, SKIN, CLOTHING, SHOES. WEAR SUITABLE PROTECTETIVE CLOTHING. AVOID BREATHING VAPOR OR MIST. USE WITH ADEQUATE VENTILATION. 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. USE WITH ADEQUATE VENTILATION.

Precautions For Repair & Maintenance of Contaminated Equipment:  
SEE SECTION VI AND VII

Other Precautions: THIS PRODUCT CONTAINS TOLUENE DIISOCYANATE WHICH IS SUBJECT TO THE ANNUAL REPRORTING REQUIREMENTS UNDER SECTION 313 OF SARA, TITLE III. CONTACT THE EPA FOR INFORMATION REGARDING THE REPORTING REQUIREMENTS. AVOID PROLONGED BREATHING OF VAPORS AND CONTACT WITH EYES AND SKIN.

**KEEP OUT OF REACH OF CHILDREN!!!!**