

Material Safety Data Sheet

Date last revised: March 2010

I. GENERAL INFORMATION

Chemical Name & Synonyms AROMATIC ISOCYANATE	Trade Name & Synonyms PECORA-DECK 804 VOC
Chemical Family URETHANE	Formula Mixture
Proper DOT Shipping COMBUSTIBLE LIQUID	DOT Hazard Classification NA 1993, COMBUSTIBLE LIQUID, PG III
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

II. INGREDIENTS

Ingredient	CAS Number	Percent of Total Weight
RESIDUAL TOLUENE DIISOCYANATE	26471-62-5	—
AROMATIC HYDROCARBON SOLVENT	64742-95-6	—
ALIPHATIC HYDROCARBON	64742-88-7	—
URETHANE PREPOLYMER	—	—
CRYSTALLINE SILICA (QUARTZ)	14808-60-7	—
TITANIUM DIOXIDE	13463-67-7	—

THIS PRODUCT CONTAINS TOLUENE DIISOCYANATE AND CRYSTALLINE SILICA WHICH ARE SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR, PART 372.

THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

ALL COMPONENTS OF THIS PRODUCT ARE EITHER LISTED OR EXEMPT FROM LISTING ON THE U.S. TSCA INVENTORY.

III. PHYSICAL DATA

Boiling Point: 320 to 486°F	Specific Gravity (H ₂ O = 1) 1.2
Vapor Pressure (mm Hg): 3.0 @ 20°C	Percent Volatile by Volume (%): 14-24; 225g/l VOC
Vapor Density (Air = 1): HEAVIER	Evaporation Rate (ETHER= 1): SLOWER
Solubility in Water: NEGLIGIBLE	pH: N/A
Appearance & Odor: VISCOUS LIQUID WITH A TYPICAL SOLVENT ODOR	

IV. FIRE & EXPLOSION HAZARD DATA

Flash Point (Closed Cup): 110°F	Auto Ignition Temperature: N/A	
Flammable Limits:	LEL: 1%	UEL: 7%
Extinguishing Media: CO ₂ , FOAM or DRY CHEMICALS		
Special Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES INVOLVING CHEMICALS. WEAR FULL PROTECTIVE GEAR. USE WATER SPRAY ONLY TO COOL CONTAINERS. DO NOT PUT WATER ON LEAKED MATERIAL.		
Unusual Fire & Explosion Hazards: VAPORS MAY BE IGNITED BY HEAT OR SPARKS. HEAT-EXPOSED CONTAINERS MAY BURST. EMPTY CONTAINERS CONTAIN PRODUCT RESIDUES. DO NOT PRESSURIZE, CUT, WELD, DRILL, GRIND OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.		

PECORA-DECK 804 VOC

V. HEALTH HAZARD DATA

OSHA Permissible Exposure Limit CRYSTALLINE SILICA (RESPIRABLE) – 0.05mg/M ³ TOLUENE DIISOCYANATE – 0.005 ppm; (0.02ppm STEL) AROMATIC/ALIPHATIC HYDROCARBONS – 100 ppm	ACGIH Threshold Limit Value CRYSTALLINE SILICA (RESPIRABLE) – 0.05 mg/M ³ TOLUENE DIISOCYANATE – 0.005 ppm AROMATIC/ALIPHATIC HYDROCARBONS– 100 ppm	
Carcinogen – NTP Program TOLUENE DIISOCYANATE CRYSTALLINE SILICA (RESPIRABLE)	Carcinogen – IARC Program CRYSTALLINE SILICA (RESPIRABLE) TOLUENE DIISOCYANATE (2B)	
HEALTH: 2*	FLAMMABILITY: 2	REACTIVITY: 1

Symptoms of Exposure: MAY CAUSE EYE AND SKIN IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION, CENTRAL NERVOUS SYSTEM DEPRESSION IN HIGH CONCENTRATIONS. INGESTION MAY CAUSE SYMPTOMS SIMILAR TO THOSE OF INHALATION.

Medical Conditions Aggravated By Exposure: HEALTH STUDIES HAVE SHOWN THAT MANY PETROLEUM HYDROCARBONS POSE POTENTIAL HUMAN HEALTH RISKS WHICH MAY VARY FROM PERSON TO PERSON. MINIMIZE EXPOSURE. CONTAINS DIISOCYANATES. PRECLUDE FROM EXPOSURE THOSE INDIVIDUALS HAVING A HISTORY OF RESPIRATORY AILMENTS OR SKIN CONDITIONS.

Primary Route (s) of Entry: DERMAL, INHALATION, EYES and INGESTION

Emergency First Aid: WASH SKIN THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. IF OVERCOME BY VAPOR, REMOVE TO FRESH AIR AND CALL DOCTOR IF DISCOMFORT PERSISTS. IF SPLASHED INTO EYES, FLUSH WITH WATER FOR AT LEAST 20 MINUTES. IF INGESTED DO NOT INDUCE VOMITING. CONTACT A PHYSICIAN IMMEDIATELY.

VI. REACTIVITY DATA

Stability	<input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable	Conditions to Avoid: HEAT, SPARKS AND OPEN FLAMES
Incompatibility:		Materials to Avoid: AVOID CONTACT WITH STRONG OXIDIZERS AND ALKALI METALS
Hazardous	<input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions to Avoid: AVOID CONTACT WITH STRONG OXIDIZING MATERIAL AND BASES. AVOID CONTACT WITH WATER.
Polymerization		
Hazardous Decomposition Products: POSSIBLY CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN, HCN AND ISOCYANATES.		

VII. ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response: ELIMINATE ALL SOURCES OF IGNITION. PROVIDE GOOD VENTILATION. ABSORB PRODUCT WITH INERT MATERIAL SUCH AS SAND OR VERMICULITE, ETC. COLLECT AND PLACE IN A SUITABLE CONTAINER FOR DISPOSAL. TREAT WITH WATER CONTAINING 4% AMMONIA. USE NON-SPARKING TOOLS.

Waste Disposal Method: WASTE OF THIS PRODUCT IS DEFINED AS HAZARDOUS. DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

VIII. SPECIAL PROTECTION INFORMATION

Skin Protection: CHEMICAL RESISTANT GLOVES	Eye Protection: SAFETY GLASSES OR GOGGLES
Respiratory Protection (Specific Type): NIOSH APPROVED SUPPLIED AIR RESPIRATOR IN AREAS with INSUFFICIENT VENTILATION.	Ventilation Recommended: PROVIDE LOCAL EXHAUST OR AREA VENTILATION TO MAINTAIN CONCENTRATION OF VAPORS BELOW THE TLV.
Other Protection: EYE WASH FACILITY AND SAFETY SHOWER	

IX. SPECIAL PRECAUTIONS

Hygienic Practices In Handling & Storage: KEEP PRODUCT CONTAINERS COOL, DRY AND AWAY FROM SOURCES OF IGNITION. WASH HANDS THOROUGHLY AFTER USE AND BEFORE EATING OR SMOKING. AVOID PROLONGED CONTACT WITH SKIN.

Precautions For Repair & Maintenance of Contaminated Equipment: DO NOT REUSE EMPTY DRUMS OR CONTAINERS. DO NOT CUT, DRILL, GRIND OR WELD ON OR NEAR THE EMPTY DRUMS.

Other Precautions: USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION. KEEP PRODUCT CONTAINERS CLOSED WHEN NOT IN USE. USE EXPLOSION PROOF VENTILATION EQUIPMENT.

FOR PROFESSIONAL USE ONLY

KEEP OUT OF REACH OF CHILDREN!