

# Material Safety Data Sheet

Date last revised: June 12, 2006

<b>I. GENERAL INFORMATION</b>		
Chemical Name & Synonyms SILANE IN SOLVENT	Trade Name & Synonyms P-120 PRIMER	
Chemical Family SILANE	Formula N/A	
Proper DOT Shipping Resin Solution, 3, UN1866, II	DOT Hazard Classification Class 3 Flammable Liquid	
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 Solvent naphtha, petroleum, light aliphatic (CAS #64742-89-8)	Percent >60	Threshold Limit Value (Units) 400 PPM
TETRA (2-METHOXYETHOXY) SILANE (CAS # 2157451)	<5	25 PPM
TETRAPROPYL ORTHOSILICATE (CAS # 682019)	<10	200 PPM
TETRABUTYL TITANATE (CAS #5593704)	<7	50 PPM
XYLENE (CAS # 1330-20-7)	<7	100 PPM
2-METHOXYETHANOL	<3	25 PPM
ETHYLBENZENE (CAS #100-41-4)	<2	100 PPM
HEALTH 2	FLAMMABILITY 3	REACTIVITY 1
<b>III. PHYSICAL DATA</b>		
Boiling Point (°F) >212° F (100° C)	Specific Gravity (H <sub>2</sub> O = 1) 0.76	
Vapor Pressure (mm Hg.) Not Determined	Percent Volatile by Volume (%) Not Determined	
Vapor Density (Air = 1) HEAVIER	Evaporation Rate (ETHER= 1) SLOWER	
Solubility in Water Not Determined	pH N/A	
Appearance & Odor THIN COLORLESS LIQUID – SOLVENT ODOR		
<b>IV. FIRE &amp; EXPLOSION HAZARD DATA</b>		
Flash Point (Test Method) 55° F (13° C) T.C.C.	Auto Ignition Temperature UNKNOWN	
Flammable Limits UNKNOWN	LEL Not Determined	UEL Not Determined
Extinguishing Media: DRY CHEMICAL, WATER FOG, FOAM, CARBON DIOXIDE		
Special Fire Fighting Procedures: SELF-CONTAINED BREATHING APPARATUS SHOULD BE WORN WHEN FIGHTING FIRES INVOLVING CHEMICALS.		
Unusual Fire & Explosion Hazards: MINIMIZE BREATHING GASES, VAPOR, FUMES, AND DECOMPOSITION PRODUCTS. STATIC ELECTRICITY MAY ACCUMULATE AND IGNITE VAPORS. FOLLOW SAFE GROUNDING AND BONDING PRACTICES.		

**V. Health Hazard Data**

OSHA Permissible Exposure Limit SEE SECTION II	ACGIH Threshold Limit Value SEE SECTION II
Carcinogen – NTP Program NOT A KNOWN CARCINOGEN	Carcinogen – IARC Program ETHYLBENZENE IS GROUP 2B POSSIBLE CARCINOGEN
Symptoms of Exposure: MILD TO SEVERE IRRITATION OF SKIN, EYES, AND RESPIRATORY TRACT. MAY CAUSE DROWSINESS, DIZZINESS, CONFUSION, HEADACHES, ETC. AT VERY HIGH CONCENTRATIONS UNCONSCIOUSNESS AND/OR DEATH COULD OCCUR. OVEREXPOSURE COULD INJURE LUNGS, LIVER, KIDNEYS, CENTRAL NERVOUS SYSTEM, REPRODUCTIVE ORGANS, BONE MARROW, BLOOD.	
Medical Conditions Aggravated By Exposure: NONE KNOWN TO PECORA. HEALTH STUDIES HAVE SHOWN THAT MANY PETROLEUM HYDROCARBONS POSE POTENTIAL HUMAN HEALTH RISKS WHICH VARY FROM PERSON TO PERSON. EXPOSURE SHOULD BE MINIMIZED.	
Primary Route (s) of Entry: DERMAL & INHALATION	
Emergency First Aid: WASH WITH SOAP & WATER AND APPLY SKIN CREAM. FLUSH EYES FOR 15 MINUTES WITH WATER. IF SWALLOWED, DO NOT INDUCE VOMITING AND CALL A PHYSICIAN IMMEDIATELY. INHALATION, REMOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION.	

**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 OXIDIZING MATERIALS. REACTION WITH WATER OR HUMID AIR GENERATES ALCOHOLS SUCH AS N-PROPYL, N-BUTYL, AND 2-METHOXYETHANOL
Hazardous Polymerization	<input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions to Avoid: HIGH HEAT
Hazardous Decomposition Products: SILICONE DIOXIDE, CARBON DIOXIDE, CARBON MONOXIDE, AND TRACES OF FORMALDEHYDE AND INCOMPLETELY BURNED CARBON PRODUCTS.		

**VII. ENVIRONMENTAL PROTECTION PROCEDURES**

Spill Response: SHUT OFF AND ELIMINATE ALL IGNITION SOURCES. RECOVER FREE PRODUCT, ADD SAND, EARTH OR OTHER SUITABLE ABSORBENT TO SPILL AREA. MINIMIZE BREATHING VAPORS. KEEP OUT OF SEWERS AND WATER COURSES BY DIKING OR IMPOUNDING.
Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY STATE AND FEDERAL REGULATIONS.

**VIII. SPECIAL PROTECTION INFORMATION**

Eye Protection GLASSES OR GOGGLES	Skin Protection IMPERMEABLE GLOVES
Respiratory Protection (Specific Type) NIOSH CARTRIDGE RESPIRATOR IN CONFINED AREAS.	Ventilation Recommended LOCAL EXHAUST
Other Protection: BARRIER CREAM FOR SKIN	

**IX. SPECIAL PRECAUTIONS**

Hygienic Practices In Handling & Storage: KEEP PRODUCT CONTAINERS COOL, DRY AND AWAY FROM SOURCES OF IGNITION. WASH HANDS AFTER USING AND BEFORE EATING OR SMOKING
Precautions For Repair & Maintenance of Contaminated Equipment: SEE SECTION V & VI
Other Precautions: USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION. KEEP PRODUCT CONTAINERS CLOSED WHEN NOT IN USE

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