

Material Safety Data Sheet

Date last revised JANUARY, 2005

I. GENERAL INFORMATION			
Chemical Name & Synonyms MIXTURE	Trade Name & Synonyms KLERE-SEAL 910-W / 920-W		
Chemical Family SILICONE	Formula MIXTURE		
Proper DOT Shipping RESIN SOLUTION	DOT Hazard Classification FLAMMABLE LIQUID (UN 1866)		
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			
Principal Hazardous Components	Percent	Threshold Limit Value (Units) OSHA PEL ACGIH TLV	
ISOCTYLTRIMETHOXYSILANE (CAS # 34396-03-7)	42-48	N. E.	N.E.
ETHYL SILICATE (CAS # 78-10-4)	11-17	10 PPM	10 PPM
OLIGOMERIC ALKYLALKOXYSILOXANE (CAS# PMN 84-811)	6-12	N. E.	N. E.
ACETIC ACID (CAS # 64-19-7)	1-5	10 PPM	10 PPM
METHANOL (HYDROLISIS BY- PRODUCTS) (CAS # 67-56-1)		200 PPM (SKIN)	200 PPM (SKIN)
ETHANOL (HYDROLISIS BY- PRODUCTS) (CAS # 64-17-5)	26-32	1000 PPM	1000 PPM
ACETATE SALT OF AMINE (CAS# UNKNOWN) (FUNCTIONAL FLUID)		N.E.	N.E.
THIS PRODUCT LIBERATES METHYL ALCOHOL WHICH IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA, 1986 AND 40 CFR, PART 372.			
HMIS RATING:		(NOTE: N.E. MEANS NOT ESTABLISHED)	
HEALTH 3 FLAMMABILITY 3 REACTIVITY 3		PERSONAL PROTECTION =B	
III. PHYSICAL DATA			
Boiling Point (°F) NOT DETERMINED	Specific Gravity (H ₂ O = 1) 0.9 – 1.0		
Vapor Pressure (mm Hg.) 68° F/MM Hg	Percent Volatile by Volume (%) APPROX. 30%		
Vapor Density (Air = 1) NOT DETERMINED	Evaporation Rate (_____ = 1) NOT DETERMINED		
Solubility in Water SOLUBLE	pH N/A		
Appearance & Odor CLEAR YELLOWISH LIQUID WITH AN ACETIC ACID ODOR.			
IV. FIRE & EXPLOSION HAZARD DATA			
Flash Point (Test Method) 77° F. PENSKEY MARTIN	Auto Ignition Temperature UNKNOWN		
Flammable Limits	LEL NOT DETERMINED	UEL NOT DETERMINED	
Extinguishing Media: USE CARBON DIOXIDE, DRY CHEMICALS OR FOAM			
Special Fire Fighting Procedures: FIRE FIGHTERS SHOULD WEAR FULL-FACE, SELF-CONTAINED BREATHING APPARATUS AND IMPERVIOUS PROTECTIVE CLOTHING.			
Unusual Fire & Explosion Hazards: DO NOT USE, POUR, SPILL OR STORE NEAR HEAT, SPARK SOURCES OR OPEN FLAME. FLAMMABLE VAPORS MAY ACCUMULATE IN CONTAINERS HEADSPACE OR FORMATION OF HYDROLISIS BY-PRODUCTS.			

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: CAUSES SEVERE EYE IRRITATION AND DRYING AND CRACKING SKIN. CONCENTRATIONS ABOVE THE TLV MAY RESULT IN HEADACHES AND DROWSINESS. UPON HYDROLYSIS THIS MATERIAL RELEASES METHYL ALCOHOL. OVEREXPOSURE TO METHANOL MAY CAUSE HEADACHES, BLURRED VISION, SHORTNESS OF BREATH, DIZZINESS AND VERTIGO. OVER EXPOSURE HAS BEEN SHOWN TO CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION	
Medical Conditions Aggravated By Exposure: THERE ARE NO DATA AVAILABLE, WHICH ADDRESSES MEDICAL CONDITIONS, WHICH ARE GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE TO THIS PRODUCT.	
Primary Route (s) of Entry: DERMAL AND INHALATION	
Emergency First Aid: SKIN: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE REUSE. INHALATION: REMOVE TO FRESH AIR AND PROVIDE OXYGEN IF NECESSARY. GET MEDICAL ATTENTION. EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.	

VI. REACTIVITY DATA

Stability	<input type="checkbox"/> Unstable	Conditions to Avoid MOIST AIR – FORMS METHANOL AND ETHANOL OXIDIZERS
	<input checked="" type="checkbox"/> Stable	
Incompatibility		Materials to Avoid CHROMIC ACID, SODIUM PEROXIDE, NITRIC ACID AND STRONG CAUSTICS
Hazardous Polymerization	<input checked="" type="checkbox"/> May Occur <input type="checkbox"/> Will Not Occur	Conditions to Avoid MOIST AIR – FORMS METHANOL AND ETHANOL. SiO ₂ , CO FORMALDEHYDE AND VARIOUS HYDROCARBON FRAGMENTS.

Hazardous Decomposition Products:

VII. ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response: ELIMINATE ALL IGNITION SOURCES. CONTROL THE SOURCE OF THE SPILL ABSORB SPILL WITH SAND OR OTHER INERT MATERIAL TO DAM AND CONTAIN SPILL. SWEEP UP AND PLACE IN AN APPROPRIATE CHEMICAL CONTAINER. FLUSH SPILL AREA WITH WATER.

Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH THE REGULATIONS UNDER RCRA. STATE AND LOCAL REGULATIONS MAY BE MORE STRINGENT. IF THIS PRODUCT BECOMES A WASTE, IT IS CONSIDERED A HAZARDOUS WASTE DUE TO ITS IGNITABILITY.

VIII. SPECIAL PROTECTION INFORMATION

Eye Protection GLASSES, GOGGLES OR FACE SHIELD	Skin Protection NEOPRENE GLOVES AND LONG SLEEVED CLOTHING
Respiratory Protection (Specific Type) NIOSH APPROVED ORGANIC VAPOR RESPIRATOR	Ventilation Recommended GENERAL OR MECHANICAL
Other Protection: BARRIER CREAM FOR SKIN	

IX. SPECIAL PRECAUTIONS

Hygienic Practices In Handling & Storage: WASH THOROUGHLY AFTER USE AND BEFORE EATING. OPEN CONTAINERS WITH CARE. FLAMMABLE VAPORS MAY BE PRESENT IN THE CONTAINER'S HEADSPACE AS A RESULT OF THE FORMATION OF HYDROLYSIS BY-PRODUCTS

Precautions For Repair & Maintenance of Contaminated Equipment:
SEE SECTION VI AND VIII. HAVE ANY CONTAMINATED CLOTHING PROFESSIONALLY LAUNDERED.

Other Precautions: DO NOT REUSE CONTAINER UNLESS PROPERLY RECONDITIONED
KEEP OUT OF REACH OF CHILDREN!!!!!!