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MATERIAL SAFETY DATA SHEET

IDENTIFICATION AND EMERGENCY INFORMATION						
Product Name	SHUR/Mount™ Liquid Cover glass					
Product Code (Catalog Number)	LC and LC-16 (Catalog number change only-previously H-LC and H-LC-16)					
Product Category (Chemical Name)	Toluene					
Product Appearance and Odor	Water clear, viscous liquid, characteristic odor.					
Emergency Notification	Chem-Tel 1-800-255-3924 International 813-248-0585					
COMPONENTS AND HAZARD INFORMATION						
Component	CAS No.	%	OSHA TWA		OSHA STEL	
			ppm	mg/m3	ppm	mg/m3
Toluene	000108883	<66	50	188	NL	NL
Acrylic Resin Solids	CASRNY2033	<32	NE	NE	NE	NE
2-(2'-Hydroxy-5'-methylphenyl) benzotriazole	002440224	<1	NE	NE	NE	NE
Butyl benzyl phthalate	000085687	<1	NE	NE	NE	NE
Gamma-methacryloxypropyl trimethoxysilane	002530850	<1	NE	NE	NE	NE
4-Methoxyphenol	000150765	<1	NA	5	NL	NL
PHYSICAL DATA						
THE FOLLOWING DATA ARE APPROXIMATE OR TYPICAL VALUES AND SHOULD NOT BE USED FOR PRECISE DESIGN PURPOSES.						
Boiling Range 230°F**	Specific Gravity 0.95*	Molecular Weight NA		Viscosity		
Percent Volatile by Volume <80	Vapor Pressure @20 C degrees 22mm Hg**	Vapor Density (Air = 1) 3.2		Pour, Congealing or Melting Point NA		
Solubility in Water @1 ATM and 25°C (77°F) Not soluble	Evaporation Rate @1 ATM and 25°C (77°F) (n-Butyl Acetate =1) 0.45*			pH		
<i>NOTE: Value marked ** are for toluene and * are estimated.</i>						

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

FIRE AND EXPLOSION HAZARD INFORMATION				
Flash Point (Minimum) <34°F**	Autoignition Temperature NE	Test Mode CC	LEL 1.3	UEL 7.1
Handling Precautions				
Flammable or Explosive Limits (Approximate Percent by Volume in Air)				
Extinguishing Media Carbon dioxide, dry chemical powder, foam.				
Fire Fighting Procedures Firefighters must wear self-contained breathing apparatus and fully protective equipment. Water may be ineffective in fighting fire, but should be used to cool fire-exposed containers.				
Decomposition Products Under Fire Condition				
“Empty” Container Warning				
Unusual Fire and Explosion Hazards Flammable liquid				
HEALTH AND HAZARD INFORMATION				
Variability Among Individuals				
Signs and symptoms of overexposure Irritation of eyes, nose, and upper respiratory system, fatigue, weakness, confusion, euphoria, dizziness, headache, nausea and vomiting.				
Effects of Overexposure				
Nature of Hazard and Toxicity Information				
Pre-existing Medical Conditions which may be Aggravated by Exposure Use of alcohol may increase narcotic effects and blood effects of toluene.				
Threshold Limit Value				
Health Hazards Irritant to upper respiratory tract, skin and eye. Produces narcotic effects by inhalation. Damage to liver, blood and kidneys. Effect on central nervous system (CNS).				
PRIMARY ROUTES OF ENTRY AND EMERGENCY AND FIRST AID PROCEDURES				
Eye Contact Flush eyes with water for at least 15 minutes.				

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Skin Wash with deluge of water for at least 15 minutes		
Inhalation Remove to fresh air. Give oxygen or artificial respiration as needed. Seek medical treatment if discomfort persists.		
Ingestion Wash out mouth with water is conscious. Do NOT induce vomiting. Call a physician.		
SEEK MEDICAL TREATMENT IF DISCOMFORT PERSISTS.		
REACTIVITY		
Stability stable	Incompatibility oxidizing agents	Hazardous Decomposition Products carbon monoxide, carbon dioxide
Conditions to Avoid sources of ignition	Hazardous Polymerization will not occur	Materials to Avoid NE
ENVIRONMENTAL INFORMATION		
Steps to be Taken in Case Material is Released or Spilled Wear self-contained breathing apparatus, rubber boots, and gloves. Turn off all sources of ignition. Absorb inert material and collect for disposal. Wash and ventilate spill site after pick up is complete.		
Disposal Burn in suitable equipped chemical incinerator. Must comply with federal, state and local regulations.		
Protective Gear		
Precautions to be taken in handling and storage Store material in cool place. Keep storage container tightly closed. Avoid prolonged or frequent exposure. Wash thoroughly after handling.		
THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES.		
Reportable Quantity (RQ), EPA Regulation 40 CFR 302 (CERCLA Section 102) NL		
Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 (SARA Sections 301-304) NL		
Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372 (SARA Section 313) Toluene (CAS# 000108883) < 80% by weight.		
Hazardous Chemical Reporting, EPA Regulation 40 CFR 370 (SARA Sections 311-312)		
SPECIAL STATE NOTIFICATIONS This product contains Toluene, a chemical known to the State of California to cause birth defects or other reproductive harm.		

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PROTECTION AND PRECAUTIONS
Ventilation Local exhaust
Respiratory Protection OSHA/MHSA approved respirator.
Protective Gloves Impervious
Eye Protection Safety goggles.
Other Protective Equipment Safety shower, eye bath, face shield and protective clothing.
TRANSPORTATION AND OSHA RELATED LABEL INFORMATION
Transportation Incident Information
U.S. DOT Hazardous Materials Shipping Description
OSHA Required Label Information

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