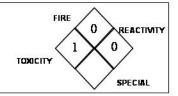
KELLERT INDUSTRIES, INC.

P.O. BOX 787 MANNFORD, OKLAHOMA 74044 918-865-4257 HAZARD RATING
4-EXTREME
3-HIGH
2-MODERATE
1-SLIGHT
0-INSIGNIFICANT
"SEE SECTION IV



MATERIAL SAFETY DATA SHEET

NOT OSHA HAZARDOUS

				(■ 150kc705 (v						
MATERIAL	MATERIAL			CODE KEY DOT HAZARD CLA						
KEL-FLEX-LIQUID		66580 905688-9 DATE ISSUED 1-06-2006		NON-REGULATED						
FORMULA Not Applicable	CHEMICAL NAME OR SY	J. 1	s							
Not Applicable CHEMICAL NAME OR SYNONYMS Aqueous acrylic emulsion										
I — COMPOSITIONAL INFORMATION										
	2		APPROXV	NT %	TWATILY					
Modified Acrylic		CAS REG. NO. NONHAZ	46-48		OSHA ACGI II. NE NE					
Individual residual monomers (See section	x)	NOT REQ.			NR NR					
Ammonia NOT REQ	OR NR=Not Required	NOT REQ NONHAZ	0.2 max 52-54		50 25 ppm NE NE NE-NOTESTABLISHED					
wata	II — PHYSICAL			ION						
APPEARANCE—ODOR—pH VISCOSITY										
Milky white liquid; slight arm	noniacal odor; ph 9.5-10.5				50 cps max.					
MELTING OR FREEZING POINT	BOILING POINT	VAPOR PRES	VAPOR PRESSURE (mm Hg)		VAPOR DENSITY (AIR - 1)					
0C/32F water	100C/212F water	17@	17 @ 20C/68F		Less than one, water					
SOLUBILITY IN WATER	PERCENT VOLATILE (BYWEIGHT)			EVAP	EVAPORATION RATE (BUTYL ACETATE - 1)					
Dilutable	52-54 Water	especial and the control of the cont			Less than one, water					
III — FIRE AND EXPLOSION HAZARD INFORMATION										
FLASH POINT	AUTO IGNITION TEMPERATURE	LOWER EXPL	OSION LIMIT (%)	UPPE	PPER EXPLOSION LIMIT (%)					
Not applicable	Not applicable	Not app	Not applicable		Not applicable					
EXTINGUISHING MEDIA FOAM ALCOHOL FOAM	CO DRY CHEMICAL	WATER SPRAY	х отне	r N	ot applicable					
SPECIAL FIRE FIGHTING PROCEDURES										
Wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH-approved or equivalent)										
and full protective gear.										
UNUSUAL FIRE AND EXPLOSION HAZA	ARDS									
Material can splatter above 1	00C/212F. Polymer film can	ı burn								
Transaction burning to the second sec					<u> </u>					
IV — HEALTH HAZARD INFORMATION										
RECOMMENDED WORK PLACE EXPOSURE LIMITS TWA—See SECTION I. STEL = 35 ppm ammonia										
EFFECTS OF OVEREXPOSURE										
Inhalation: Vapor or mist can cause headache, nausea, and irritation of the nose, throat and lungs										
Skin Contact: Irritating to skin upon repeated or prolonged contact										
Eye Contact: Slightly irritating to eyes.										
EMERGENCY AND FIRST AID PROCEDURES										
Inhalation: Move subject to fresh air										
Eye and Skin Contact: Flush eyes with a large amount of water for at least 15 minutes. See a physician if irritation persists.										
Wash affected skin areas with soap and water.										
Ingestion: If swallowed, give 2 glasses of water to drink. Consult a physician. Never give anything by mouth to an										
unconscious person.										

		EACHVILLIN								
STABILITY X STARLE LINSTARLE	The contract of the contract o		aposition is dependent on time and temperature.							
X STABLE UNSTABLE Onset of polymer decomposition is 177C/350F.										
None known—see Section X										
HAZARDOUS POLYMERIZATION	Not applicable									
OCCUR OCCUR NOT applicable										
INCOMPATIBILITY (MATERIALS TO AVOID) WATER OTHER None known										
VI — SPILL OR LEAK PROCEDURE INFORMATION										
STEPS TO BE TAKEN INCASE MATERIAL IS RELEASE	ED OR SPILLED			73						
Keep spectators away. Floor may be slippery; use care to avoid falling. Dike and contain spill with inert material (e.g., sand Earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.										
			033*0360 VBs 2*076*		D	.1 1				
supernatant liquid and flush to a chem		erate the solids a								
facility according to current local, state, and federal regulations.										
	VII — SPE	CIAL PROTEC	TION INFORI	MATION						
Mechanical local exhaust ventilation at point of vapor or mist release										
RESPIRATORY PROTECTION Wear suitable respirator (MSHA/NIOSH-approved or equivalent) where exposure limits are exceeded.										
PROTECTIVE GLOVES	EYE PROTECTION									
Impervious	Chemic	Chemical splash goggles (ANSI Z-87.1 or approved equivalent								
OTHER PROTECTIVE EQUIPMENT										
					—					
	VIII — STOR	AGE AND HA	NDLING INFO	RMATION						
STORAGE TEMPERATURE		INDOOR	HEATED	REFRIGERATED	t.	OUTDOOR				
MAX. 49C/120F MIN. 1C/3	4F									
PRECAUTIONARY LABELING: KEEP FROM FREEZING—PRODUCT MAY COAGULATE.										
	IX –	TOXICITY I	NFORMATIO	N						
The effects of overexposure shown in	Section IV are ba	sed on acute to	cicity profiles fo	r a number of a	crylic em	ulsions that are				
compositionally similar to this produc	t. Typical values	are: Rat, oral Ll	050: >5.0 g/kg;	Rabbit, dermal	LD50: >	5.0 g/kg; Rabbit,				
compositionally similar to this product. Typical values are: Rat, oral LD50: >5.0 g/kg; Rabbit, dermal LD50: >5.0 g/kg; Rabbit, Skin irritation: practically nonirritating—72-hour Mean Irritation Score = 0 to 2; Rabbit, eye irritation: inconsequentially										
N 1967 N										
irritating.										
	9426				i.					
	$\mathbf{X} - \mathbf{M}$	ISCELLANEO	US INFORMA	TION						
NOTE: Monomer vapors can be evol	ved when product	is heated during	g processing ope	erations. In sucl	h a case, i	use local exhaust				
ventilation with a minimum capture velocity of 100 ft/min. (30m/min.) at the point of monomer evolution. Refer to <u>Industrial</u>										
Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists.										
NA—NOT APPLICABLE										
C—CEILING VALUE	Kel-Flex Liquid									
Section for the control of the contr										
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