MATERIAL SAFETY DATA SHEET

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24 Hour Emergency Phone: 800.424.9300 (202-483-7616) CHEMTREC

1. PRODUCT NAME:

KEMKO 170, LP Paste, (1:1), Part B

Chemical Family: Polyamines, inert fillers

2. HAZARDOUS INGREDIENTS

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NAME	CAS No.	TLV	STEL	PEL	CONTENT
Polyamidoamine	none	none	none	none	15-17%
Tetraethylenepentamine (TEPA)	112-57-2	none	none	none	5-10%
p-Tertiary butyl phenol	98-54-4	none	none	none	<2%
Benzyl alcohol	100-51-6	none	none	none	<4%
Polyoxypropylenediamine	64852-2- 28	none	none	none	1-4%
Diethylene triamine (DETA)	111-40-0	1ppm	none	1ppm	<2%
2,4,6 tris(dimethylamino- methyl)phenol	90-72-2	none	none	none	<4

reference section 7, Health Hazard Data for LD (50)

3. PHYSICAL DATA:

Boiling Point:	N/D	Water/Oil Distribution Coefficient:	on N/D
Percent Volatile:	negligible	Solubility in Water:	slight
Freezing Point	N/D	Specific Gravity:	0.95
Vapor Pressure @ 20C:	<1mm	pH:	basic
Vapor Density	Heavier than air	Evaporation Rate:	N/D
Odor Threshold	N/D	Odor	Ammoniacal
Appearance Bla	ck paste		

N/D = Not Determined

4. FIRE AND EXPLOSION HAZARD DATA:

HMIS Flammability Rating:	1 - (Slig	ght Hazard)
Flash Point:	210 F (PMCC)	
Auto Ignition Temperature:	N/D	
Limits of Flammability:	LEL: N/D	UEL: N/D
EXTINGUISHING MEDIA:		
CARBON DIOXIDE, FOAM, DRY CHEMICAL & WATER FOG.		

CARBON DIOXIDE, FOAM, DRY CHEMICAL & WATER FOG. SPECIAL FIRE & UNUSUAL HAZARDS: Self-contained respirator equipment and full protective clothing are required when smoke and fumes are generated. Electrical grounding is not recommended.

5. REACTIVITY DATA:

HMIS Reactivity Rating: 1 - (Slight Hazard)

STABILITY: Stable. This product must be mixed with another component to react. Not sensitive to mechanical impact.

INCOMPATIBILITY: Strong oxidizing agents, acids, epoxy resins, isocyanates and organic peroxides may result in violent explosive reactions

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and dioxide, nitrogen oxides, aldehydes and various hydrocarbons from incomplete combustion.

HAZARDOUS POLYMERIZATION: Will not occur unless product is mixed with epoxy resins, isocyanates or urethane prepolymers.

6. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS AND LEAKS: Ventilate area. Wear appropriate protective gear. Contain leak/spill. Salvage. Clean up residue with absorbent material. Wash down area with water and diluted vinegar.

WASTE DISPOSAL METHOD: Handle disposal of waste material in manner which complies with local, state, province, and federal regulations. Landfill if solidified or incinerate at agency approved waste-disposal facility.

7. HEALTH HAZARD DATA:

HMIS	Health Rating:	3 - (Serious Haz	ard)	
Primary	Route Of Entry:	Dermal, Inhalat	ion	
	Effects of Overexposure:			
Inhalation:	be minimal below 9	pressure of this product, 95F. At higher temperatury or cause coughing and che	es, fumes	
Eyes:	Contact can cause tearing or blurred vis	severe burns, irritation sion.	, redness,	
Skin Contact:	mild burn. Prolonge a severe burn. Ma	re may cause moderate indorrere indo	nay cause	
Ingestion:	vomiting, diarrhea,	gastrointestinal irritation headache and drowsir outh esophagus and stom	ess. Can	
Chronic:	Prolonged exposure allergic reaction	e may result in sensitization	on or other	

8: FIRST AID:

Eyes:	Flush eyes with water and/or 1% boric acid, lifting upper and lower lids occasionally for 30 minutes. Seek prompt medical attention.
Skin:	Wash with soap and water for at least 15 minutes. Remove contaminated clothing and wash before reuse. Destroy contaminated leather. Seek medical attention if irritation persists.
Ingestion:	Do not induce vomiting. Give large quantities of water or vinegar diluted with water. Get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs. Do not give anything by mouth to an unconscious person.
Inhalation:	Remove victim from exposure. If difficulty with breathing; administer oxygen and seek immediate medical assistance.

9. SPECIAL PROTECTION INFORMATION:

HMIS Person	al Protection Rating: C (Safety Glasses, Gloves, Apron)
Ventilation:	Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid the build up of heavy vapors.
Personal Protection:	Use eye protection and gloves Selection of specific items such as gloves, boots and apron will depend on the operation. Wear respirator protection whenever airborne concentrations exceed TLV ceilings or TWA, use NIOSH approved respirators for listed hazard. Confined spaces, rooms or tanks are areas where concern for TLV's is especially important. Reference OSHA Regulation CFR 29 1910.134 for recommended respiratory protection.

10. ADDITIONAL INFORMATION:

10. ADDI	HONAL INFORMATION:
DOT Proper Shipping Name	e: Amines, liquid, corrosive, n.o.s. (Diethylene-triamine/aliphatic amine mixture)
DOT Hazard Class or Divisi	on: 8
Identification Number:	UN 2735
Packing group:	III
Labels Required:	CORROSIVE
WHMIS Classification:	Class E, CORROSIVE
WHMIS Labeling:	Test tube, hand.
Shelf life:	Indefinite
Special Instructions:	Storage recommendations: Store at room temperature. Do not allow to freeze.

The information given herein is given in good faith. No warranty, expressed or implied, is made regarding the accuracy of these data or the results obtained from the use thereof. All materials may present unknown health hazards and must be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Consult ChemCo Systems, Inc. for further information.

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