

# MATERIAL SAFETY DATA SHEET

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(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

THE OSHA HAZARD COMMUNICATION STANDARD 29CFR1910.1200 REQUIRES THAT THE INFORMATION CONTAINED ON THIS SHEET BE MADE AVAILABLE TO YOUR WORKERS.

INSTRUCT YOUR WORKERS TO HANDLE THIS PRODUCT PROPERLY.

<b>CHEMICAL NAME:</b>	POLYMERIC EPOXY SYSTEM		
<b>SYNONYMS:</b>		<b>CHEMICAL FAMILY:</b>	
<b>FORMULA:</b>	N/A	<b>MOLECULAR WEIGHT:</b>	
<b>TRADE NAME AND SYNONYMS:</b>	TK-100™ Base Compound (aka TuffKote-100)		

## I. PHYSICAL DATA

<b>BOILING POINT: (760mm. Hg)</b>	295°F (146°C)	<b>FREEZING POINT:</b>	N/A
<b>SPECIFIC GRAVITY: (H<sub>2</sub>O=1)</b>	1.1 lbs./gallon	<b>VAPOR PRESSURE AT 20°C.:</b>	2.4
<b>VAPOR DENSITY: (air=1)</b>	3.6	<b>SOLUBILITY IN WATER (% by wt):</b>	None
<b>PERCENT VOLATILES BY VOLUME:</b>	10-15%	<b>EVAPORATION RATE (Butyl Acetate=1):</b>	1
<b>APPEARANCE AND ODOR:</b>	Medium Viscosity Liquid;		

## II. HAZARDOUS INGREDIENTS

MATERIAL	PERCENTAGE	TLV (Units)
XYLENE: CAS # 13030-20-7	5-15%	200 PPM

## III. FIRE AND EXPLOSION HAZARD DATA

<b>FLASH POINT (test method):</b>	85°F ASTM D-3243	<b>AUTO-IGNITION TEMPERATURE:</b>	990°F
<b>FLAMMABLE LIMITS IN AIR, % by volume:</b>	Lower: 1.8% / Upper: 11%		
<b>EXTINGUISHING MEDIA:</b>	WATER, DRY CHEMICAL, CARBON DIOXIDE, FOAM		
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	SELF CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING TO BE WORN BY FIRE FIGHTERS (NIOSH).		
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS:</b>	None		

**EMERGENCY PHONE NUMBER:**

**USA (818) 500-1921**

Prepared for **TradeWinds International Inc.** JULY 2000

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## IV. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE (TLV): 200 PPM

EFFECTS OF OVEREXPOSURE: Irritation of Mucous Membranes; Drowsiness; Nausea; Headache; Depression.

EMERGENCY AND FIRST AID PROCEDURES: INGESTION: DRINK WATER. CONTACT PHYSICIAN  
EYES: FLUSH WITH CLEAN WATER FOR 20 MINUTES.  
SKIN: WASH SKIN WITH SOAP & WATER.  
INHALATION: REMOVE VICTIM TO FRESH AIR; ADMINISTER OXYGEN, IF NEEDED.

## V. REACTIVITY DATA

STABILITY: <input type="checkbox"/> UNSTABLE <input checked="" type="checkbox"/> STABLE	CONDITIONS TO AVOID:	EXCESSIVE HEAT, SPARK & OPEN FLAME.; STRONG OXIDIZING AGENTS.
INCOMPATIBILITY (MATERIALS TO AVOID):		STRONG OXIDIZING AGENTS.
HAZARDOUS DECOMPOSITION PRODUCTS:		CARBON MONOXIDE & ORGANIC COMPOUNDS.
HAZARDOUS POLYMERIZATION: <input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR	CONDITIONS TO AVOID:	N/A

## VI. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:	AVOID PERSONAL CONTACT; DIKE OR IMPOUND SPILLED MATERIAL, THEN REMOVE TO APPROVED CONTAINER; COVER ANY RESIDUE WITH <u>ABZORB-IT™</u> , SAWDUST, OR OTHER ABSORBENTS. PLACE CONTAMINATED ABSORBENT IN CONTAINER.
WASTE DISPOSAL METHOD:	ACCORDING TO FEDERAL, STATE AND LOCAL LAWS & REGULATIONS.

## VII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)	USE WITH ADEQUATE VENTILATION, OR USE <i>NIOSH</i> -APPROVED RESPIRATOR.		
VENTILATION	LOCAL EXHAUST	YES	SPECIAL:
	MECHANICAL (general)	IF AVAILABLE	OTHER:
PROTECTIVE GLOVES	YES	EYE PROTECTION: SAFETY GOGGLES	
OTHER PROTECTIVE EQUIPMENT	PROTECTIVE CLOTHING		

## VIII. SPECIAL PRECAUTIONS

PRECAUTIONARY LABELING	FLAMMABLE; KEEP AWAY FROM EXCESSIVE HEAT, SPARK AND OPEN FLAME. KEEP CONTAINER CLOSED WHEN NOT IN USE.
OTHER HANDLING AND STORAGE CONDITIONS	STORE IN COOL, DRY PLACE. GROUND FIXED EQUIPMENT.

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