

MATERIAL SAFETY DATA SHEET

Page: 1 of 2

(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.

CHEMICAL NAME:	COMPLEX POLYAMINE	
SYNONYMS:		CHEMICAL FAMILY:
FORMULA:	N/A	MOLECULAR WEIGHT:
TRADE NAME AND SYNONYMS:	TK-100™ Curing Agent (aka TUFFKOTE-100™)	

I. PHYSICAL DATA

BOILING POINT: (760mm. Hg)	295°F (146°C)	FREEZING POINT:	N/A
SPECIFIC GRAVITY: (H₂O=1)	0.8 lbs./gallon	VAPOR PRESSURE AT 20°C.:	2.4
VAPOR DENSITY: (air=1)	3.6	SOLUBILITY IN WATER (% by wt):	None
PERCENT VOLATILES BY VOLUME:	10-20%	EVAPORATION RATE (Butyl Acetate=1):	1.3
APPEARANCE AND ODOR:	Free Flowing Liquid; Solvent Odor		

II. HAZARDOUS INGREDIENTS

MATERIAL	PERCENTAGE	TLV (Units)
XYLENE: CAS# 13030-20-7	10-20%	200 PPM

III. FIRE AND EXPLOSION HAZARD DATA

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

EMERGENCY PHONE NUMBER:**USA 818-500-1921**

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

While we believe that the data contained herein is factual, and the opinions expressed are those of qualified experts regarding the results of tests conducted, the data is not to be taken as a guarantee of performance, nor a warranty of representation, either expressed or implied, for which we assume legal responsibility. The manufacturer, distributors and agents accept no responsibility for the misuse of this product. This information relates to the specific material designated, and may not be valid for such material used in combination with any other materials, or in any process. Such information, to the best of our knowledge and belief, is accurate and reliable, as of the date compiled. It is offered solely for client consideration and verification. Statements or suggestions concerning possible use of this product are made without representation or warranty, that any such use is free of patent infringement, and are not recommendations to infringe on any patent printed in the USA. Any use of this data and information, must be determined by the user, to be in accordance with applicable Federal, State and local laws & regulations. Neither TradeWinds International, Inc., nor its distributors or agents, will be liable, under any circumstances or conditions, either expressed or implied, for damages in excess of the purchase price of this product.

IV. HEALTH HAZARD DATA

THRESHOLD LIMIT 200 PPM
VALUE (TLV):

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

EMERGENCY AND FIRST AID PROCEDURES: INGESTION: DRINK COPIOUS AMOUNTS OF WATER. CONTACT PHYSICIAN IMMEDIATELY
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.
INCOMPATIBILITY (MATERIALS TO AVOID):	STRONG OXIDIZING AGENTS.	
HAZARDOUS DECOMPOSITION PRODUCTS:	CARBON MONOXIDE & NITROGEN OXIDE.	
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 ABSORB <u>ABZORB-IT™</u> , SAWDUST, OR OTHER ABSORBENTS. PLACE CONTAMINATED ABSORBENT IN CONTAINER. FLUSH AREA WITH WATER.
WASTE DISPOSAL METHOD:	ACCORDING TO FEDERAL, STATE AND LOCAL LAWS & REGULATIONS.

VII. SPECIAL PROTECTION INFORMATION

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

VIII. SPECIAL PRECAUTIONS

PRECAUTIONARY LABELING	Corrosive To Skin and Eyes. Harmful if swallowed, Inhaled or Absorbed Through Skin. Avoid personal Contact and Contact to Clothing. Use Only With Adequate Ventilation. Flammable: Keep Away From Excessive Heat, Spark and Open Flame. Keep Container Tightly Closed When Not in Use.
OTHER HANDLING AND STORAGE CONDITIONS	Do Not Breath Vapor, Mist or Spray. Store in Tightly Closed Container. Store in Cool, Dry Place. Ground Fixed Equipment.

TradeWinds International, Inc., 1374½ E. Colorado Street, Glendale CA 91205 © v: 818-500-1921 © f: 818-500-3973