

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.

CHEMICAL NAME:	ALKALI CHROMATE		
SYNONYMS:	N/A	CHEMICAL FAMILY:	CHROMATE
FORMULA:	N/A	MOLECULAR WEIGHT:	N/A
TRADE NAME AND SYNONYMS:	TWI-803™ <u>CURING AGENT</u>		

I. PHYSICAL DATA

BOILING POINT: (760mm. Hg)	212°F	FREEZING POINT:	32°F
SPECIFIC GRAVITY: (H₂O=1)	1.3	VAPOR PRESSURE AT 20°C.:	Same As Water
VAPOR DENSITY: (air=1)	N/A	SOLUBILITY IN WATER (% by wt):	INSOLUBLE
PERCENT VOLATILES BY VOLUME:	0% (30% Water)	EVAPORATION RATE (Butyl Acetate=1):	Same As Water
APPEARANCE AND ODOR:	YELLOW LIQUID, SLIGHT ODOR		

II. HAZARDOUS INGREDIENTS

MATERIAL	PERCENTAGE	TLV (Units)
CHROMATES (Powdered)	60%	ACGIH TLV: 0.05 mgm (Chromate particles per m ³)

III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (test method):	None (ASTM D-3243)	AUTO-IGNITION TEMPERATURE:	N/A
FLAMMABLE LIMITS IN AIR, % by volume:	None		
EXTINGUISHING MEDIA:	N/A		
SPECIAL FIRE FIGHTING PROCEDURES:	None		
UNUSUAL FIRE AND EXPLOSION HAZARDS:	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):	Not Established
EFFECTS OF OVEREXPOSURE:	None.
EMERGENCY AND FIRST AID PROCEDURES:	<u>EYES: FLUSH WITH CLEAN WATER FOR 20 MINUTES.</u> <u>SKIN: WASH SKIN WITH SOAP & WATER.</u> <u>IN ALL EVENTS:</u> <u>INHALATION: BREATHE FRESH AIR.</u> <u>CONTACT PHYSICIAN IMMEDIATELY.</u>

V. REACTIVITY DATA

STABILITY: <input type="checkbox"/> UNSTABLE <input checked="" type="checkbox"/> STABLE	CONDITIONS TO AVOID:	EXCESSIVE HEAT AND FREEZING TEMPERATURES.
INCOMPATIBILITY (MATERIALS TO AVOID):	None.	
HAZARDOUS DECOMPOSITION PRODUCTS:	None.	
HAZARDOUS POLYMERIZATION: <input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR	CONDITIONS TO AVOID:	Will Not Polymerize.

VI. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:	WASH DOWN AREA WITH SUFFICIENT AMOUNT OF WATER.
WASTE DISPOSAL METHOD:	COLLECT MATERIAL IN OPEN CONTAINERS AND REMOVE TO A SAFE AREA. DISPOSE IN ACCORDANCE WITH FEDERAL, STATE & LOCAL REGULATIONS.

VII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)	NOISH-APPROVED RESPIRATORS RECOMMENDED. OBSERVE OSHA REGULATIONS.		
VENTILATION	LOCAL EXHAUST	YES	SPECIAL:
	MECHANICAL (general)	If Available.	OTHER:
PROTECTIVE GLOVES	YES	EYE PROTECTION: GOGGLES	
OTHER PROTECTIVE EQUIPMENT	None Required.		

VIII. SPECIAL PRECAUTIONS

PRECAUTIONARY LABELING	AVOID EXCESSIVE HEAT AND FREEZING TEMPERATURES.
OTHER HANDLING AND STORAGE CONDITIONS	None.

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