

MATERIAL SAFETY DATA SHEET**ETS**

MANUFACTURER
ENVIRONMENTAL TEST SYSTEMS, INC.
P. O. BOX 4659
ELKHART, INDIANA 46514-0659

HEALTH	0
FIRE	2
REACTIVITY	1
PERS. PROT.	None

SECTION 1 - IDENTITY

Common Name: (used on label) (Trade Name & Synonyms)	Quantab Chloride Titrators, low range	Product Code	711175
Chemical Name		Chemical Family	
Formula		CAS No.	NA

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components (chemical & common names)	Hazard	TLV (units)
Potassium Dichromate	carcinogen, irritant	0.05 mg Cr/m³
Silver Nitrate	corrosive, toxic by ingestion	0.01 mg Ag/m³
Zinc Acetate	irritant	not listed

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point	N/A	Specific Gravity (H ₂ O=1)	N/A	Vapor Pressure (mm H _g)	Unknown
Percent Volatile by Volume (%)	N/A	Vapor Density (Air = 1)	Unknown	Evaporation Rate (= 1)	Unknown
Solubility in Water	Not appreciably water soluble.		Reactivity in Water/Air: None		
Appearance and Odor	Orange-red paper strip laminated within polystyrene/polyethylene sheath. Odorless.				
Flash Point	N/A	Flammable Limits In Air% by Volume	Lower	Upper	Auto-Ignition Temperature N/A
Extinguisher Media	Flood with large amounts of water. Do not allow water to enter sewer.				
Special Fire Fighting Procedures					
Unusual Fire and Explosion Hazards	Hazardous or toxic fumes from plastic sheath above 260° C Chromium trioxide fumes above 500° C				

SECTION 4 - PHYSICAL HAZARDS

Stability	<input type="checkbox"/> Unstable	<input type="checkbox"/> Conditions to Avoid
Stable	<input checked="" type="checkbox"/>	Exposure to flame may cause ignition.
Incompatibility (Materials to Avoid)	None	
Hazardous Decomposition Products	Emits toxic chromium trioxide fumes at high temperatures	

COMMON NAME: **Quantab Chloride Titrators, low range**

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SECTION 5 - HEALTH HAZARDS

OSHA Permissible Exposure Limit	0.01 mg Ag/m³	ACGIH Threshold Limit Value	0.05 mg Cr/m³	Other Exposure Limit Used None
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Signs and Symptoms of Exposure **Absorption of potassium dichromate through skin may cause systemic poisoning and dermatitis. Exposure unlikely since chemical is laminated in plastic sheath.**

Medical Conditions Generally Aggravated by Exposure **Pre-existing skin disorders, impaired pulmonary function.**

Primary Route(s) of Exposure **Skin, ingestion**

Emergency and First Aid Procedures **Wash thoroughly. If ingested, consult physician.**

Hygienic Practices

Chemical Listed as Carcinogen or Potential Carcinogen: **Yes**

SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection	N/A		
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Ventilation	N/A	Work Practices	N/A
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Protective Gloves	N/A	Eye Protection	N/A
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Other Protective Clothing or Equipment	N/A		
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SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage	None		
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Steps to be Taken in Case Material is Released or Spilled	None		
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Waste Disposal Methods	Ensure compliance with local, state, and federal regulations.		
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SECTION 8 - ADDITIONAL INFORMATION

Product contains Chromium VI at a concentration of less than 0.1% by weight in an individual titrator and is therefore considered non-hazardous.

Signature of Person Responsible for Preparation	Date Prepared	November 1, 1994
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