



# SAFETY DATA SHEET

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R6702-1

## I. CHEMICAL IDENTIFICATION

### PRODUCT TRADE NAMES:

Molybdate CHEMets® Refills and Vacu-vials® Ampoules

PRODUCT PART NOS.: R-6702, K-6703, R-6720

COMPONENT OF KIT CATALOG NOS.: K-6701, K-6702, K-6703, K-6720

### MANUFACTURER:

CHEMetrics, Inc., 4295 Catlett Road, Midland VA 22728  
phone: 800-356-3072, 540-788-9026 fax: 540-788-4856  
email: technical@chemetrics.com

### EMERGENCY PHONE NUMBERS:

FOR CHEMICAL EMERGENCY USE ONLY (spill, leak, fire, exposure, accident).  
Use the corporate numbers above for all other calls.

CHEMTREC within USA and Canada: 800-424-9300  
CHEMTREC outside USA and Canada: +1-703-527-3887

PRODUCT DESCRIPTION: Part of a water analysis test kit. Each R-6702 CHEMet™ ampoule contains approximately 0.5 mL of liquid reagent sealed under vacuum. Each R-6720 CHEMet™ ampoule contains approximately 1.2 mL of liquid reagent sealed under vacuum. Each K-6703 Vacu-vial™ ampoule contains approximately 2 mL of liquid reagent sealed under vacuum.

## II. HAZARDS IDENTIFICATION

NFPA RATINGS: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

ACUTE TOXICITY: Irritation, nausea, vomiting, diarrhea, difficulty breathing in individuals with sulfite sensitivity

CHRONIC TOXICITY: Irritation, dermatitis, headache, dizziness. Effects may be delayed.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Sulfite sensitivity

## III. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT:	Catechol	
CAS NO.:	120-80-9	PERCENT: 0.3 – 0.6
COMPONENT:	Sodium Sulfite	
CAS NO.:	7757-83-7	PERCENT: 0.3 – 0.6
COMPONENT:	Deionized Water	
CAS NO.:	7732-18-5	PERCENT: 98 - 99
COMPONENT:	Other components	
CAS NO.:	N/A	PERCENT: < 0.1

Any component of this mixture not specifically listed (e.g. "other components") is not considered to present a carcinogenic hazard.

## IV. FIRST AID MEASURES

EYE AND SKIN CONTACT: Immediately flush eyes and skin with water for 15 minutes.

INGESTION: If victim is conscious and alert, give 2-4 cupsful of milk or water. Never give anything by mouth to an unconscious person. Seek medical advice.

INHALATION: Remove individual to fresh air. If necessary, give artificial respiration by mechanical means. Do not use mouth-to-mouth resuscitation. Seek medical advice.

## V. FIRE FIGHTING MEASURES

FLASH POINT: Not available AUTOIGNITION POINT: Not available  
FLAMMABILITY LIMITS: UPPER: Not available LOWER: Not available  
EXTINGUISHING MEDIA: Water, dry chemical, foam, or carbon dioxide

## VI. ACCIDENTAL RELEASE MEASURES

Take up with absorbent material. Place in small containers for disposal.

## VII. HANDLING AND STORAGE

**Always wear eye protection when working with this product.**

**WARNING:** Do not break the tip of the ampoule unless it is completely immersed in sample. Breaking the tip in air may cause the glass ampoule to shatter.

Fragile. Liquid in glass. Handle with care.

If this product is used as directed, the user will not come in contact with or be exposed to any of its chemical components.

Wash thoroughly after handling. Avoid contact with eyes.

Exposure of this product to temperatures up to 49°C or below 0°C will not create a safety hazard. For optimum analytical accuracy, the product should be stored in the dark and at room temperature, and should not be used beyond expiration date.

## VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

ACGIH TLV: 20 mg/m<sup>3</sup> TWA Catechol

OSHA PEL: None known

PROTECTIVE EQUIPMENT: Impact- and splash-resistant eyewear; Protective gloves compatible with the hazardous reagent constituents identified on this SDS.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

STATE: Liquid APPEARANCE: Colorless ODOR: None  
SOLUBILITY IN WATER: Complete pH: 7.5 SPECIFIC GRAVITY: 1.0  
BOILING POINT: 104°C MELTING / FREEZING POINT: 3°C  
VAPOR PRESSURE: Not determined VAPOR DENSITY: Not determined

## X. STABILITY AND REACTIVITY

INCOMPATIBILITIES: strong acids  
HAZARDOUS DECOMPOSITION PRODUCTS: oxides of carbon and sulfur  
Stable under normal conditions.

## XI. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS: Catechol: IARC - Group 2B, possibly carcinogenic to humans; ACGIH - Group A3, confirmed animal carcinogen with unknown relevance to humans; California Proposition 65 - carcinogen  
No other data available at this time.

## XII. ECOLOGICAL INFORMATION

No data available.

## XIII. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with Federal, State and Local Regulations.

## XIV. TRANSPORT INFORMATION

This product is not regulated for transport.

## XV. REGULATORY INFORMATION

EUROPEAN INFORMATION:

EU Symbols: None

Risk / Safety Phrases: None

CANADIAN INFORMATION:

WHMIS Classification: D1B, D2A

All chemical components of this product are listed on Canada's DSL.

U.S. INFORMATION:

OSHA: This product meets the criteria for a hazardous substance as defined in the Hazard Communication Standard (29 CFR 1910.1200).

SARA: This product contains catechol which is subject to the reporting requirements of Section 313 of SARA Title III.

CALIFORNIA PROPOSITION 65: This product contains a chemical known to the state of California as a carcinogen.

All chemical components of this product are listed on the TSCA Inventory.

## XVI. OTHER INFORMATION

**SDS Creation Date: 2012-11-13**

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