



SAFETY DATA SHEET

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K0603-1
Creation Date: 2012-07-16

I. CHEMICAL IDENTIFICATION

PRODUCT TRADE NAME: Aluminum Vacu-vials® Ampoules

PRODUCT PART NO.: K-0603 (Ampoules)

Complete kits contain additional chemical reagent(s). See separate SDS(s).

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 Vacu-vial™ ampoule contains approximately 1 mL of liquid reagent sealed under vacuum.

II. HAZARDS IDENTIFICATION

Harmful. May cause sensitization by inhalation and skin contact.

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

ACUTE TOXICITY: Irritation, nausea, vomiting, diarrhea, allergic contact dermatitis.

CHRONIC TOXICITY: Irritation, skin and airway sensitization, bronchitis

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye and skin disorders

III. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT: Hexamethylenetetramine
CAS NO.: 100-97-0 PERCENT: 14

COMPONENT: Deionized Water
CAS NO.: 7732-18-5 PERCENT: 86

IV. FIRST AID MEASURES

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

INGESTION: Seek medical attention.

INHALATION: Remove individual to fresh air.

V. FIRE FIGHTING MEASURES

FLASH POINT: N/A AUTOIGNITION POINT: N/A

FLAMMABILITY LIMITS: UPPER: N/A LOWER: N/A

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water spray, or foam

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.

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

Fragile. Liquid in glass. Handle with care.

Wash thoroughly after handling. Avoid contact with eyes.

Exposure of this product to temperatures up to 49°C or even 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

OSHA PEL & ACGIH TLV: None listed

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: Not determined
SOLUBILITY IN WATER: Miscible pH: 9.3 SPECIFIC GRAVITY: 1.02
BOILING POINT: Not determined MELTING POINT: Not determined
VAPOR PRESSURE: Not determined VAPOR DENSITY: Not determined

X. STABILITY AND REACTIVITY

INCOMPATIBILITIES: Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: oxides of carbon and nitrogen
Stable under normal conditions.

XI. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS: None

No other data available at this time.

XII. ECOLOGICAL INFORMATION

No data available at this time.

XIII. DISPOSAL CONSIDERATIONS

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

XIV. TRANSPORT INFORMATION

Not regulated.

XV. REGULATORY INFORMATION

EUROPEAN INFORMATION:

EU Symbols: Xn - HARMFUL

Risk Phrases: May cause sensitization by inhalation and skin contact.

Safety Phrases: Avoid contact with skin and eyes. In case of contact with skin or eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

CANADIAN INFORMATION:

WHMIS Classification: Uncontrolled

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).

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

XVI. OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. ALL PRODUCTS ARE OFFERED IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PRODUCTION SPECIFICATIONS AND ARE INTENDED SOLELY FOR USE IN ANALYTICAL TESTING. THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM THE HANDLING, USE OR MISUSE OF THESE PRODUCTS.

Vacu-vials® is a registered trademark of CHEMetrics, Inc.



SAFETY DATA SHEET

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S0600-1
Creation Date: 2012-07-16

I. CHEMICAL IDENTIFICATION

PRODUCT TRADE NAME:
Activator Solution for Aluminum Vacu-vials® Kit

PRODUCT PART NO.: A-0600

COMPONENT OF KIT CATALOG NO.: K-0603
Complete kits contain additional chemical reagent(s). See separate SDS(s).

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 bottle of activator solution contains approximately 18 mL of liquid reagent.

II. HAZARDS IDENTIFICATION

NFPA RATINGS: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0
ACUTE TOXICITY: Irritation to eyes and skin
CHRONIC TOXICITY: Irritation to eyes and skin, possible eye damage, tooth erosion
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye and skin disorders

III. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT: Eriochrome Cyanine R
CAS NO.: 3564-18-9 PERCENT: < 0.1

COMPONENT: Glacial Acetic Acid
CAS NO.: 64-19-7 PERCENT: < 1.0

COMPONENT: Deionized Water
CAS NO.: 7732-18-5 PERCENT: > 98

COMPONENT: Other components
CAS NO.: N/A PERCENT: < 1.0

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

IV. FIRST AID MEASURES

EYE AND SKIN CONTACT: Immediately flush eyes and skin with water for 15 minutes.
INGESTION: Seek medical advice.
INHALATION: Remove individual to fresh air.

V. FIRE FIGHTING MEASURES

FLASH POINT: N/A AUTOIGNITION POINT: N/A
FLAMMABILITY LIMITS: UPPER: N/A LOWER: N/A
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water spray, or foam

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.
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

OSHA PEL & ACGIH TLV: 10 ppm TWA Glacial Acetic Acid
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: Reddish ODOR: Vinegar
SOLUBILITY IN WATER: Miscible pH: 2.9 SPECIFIC GRAVITY: 1.0
BOILING POINT: 100 °C MELTING POINT: N/A
VAPOR PRESSURE: Not determined VAPOR DENSITY: Not determined

X. STABILITY AND REACTIVITY

INCOMPATIBILITIES: strong bases, strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS: oxides of carbon
Stable under normal conditions.

XI. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS: None
No other data available at this time.

XII. ECOLOGICAL INFORMATION

No data available at this time.

XIII. DISPOSAL CONSIDERATIONS

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

XIV. TRANSPORT INFORMATION

Not regulated.

XV. REGULATORY INFORMATION

EUROPEAN INFORMATION:
EU Symbols: None
Risk Phrases: None
Safety Phrases: Avoid contact with skin and eyes. In case of contact with skin or eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

CANADIAN INFORMATION:
WHMIS Classification: Uncontrolled
All chemical components listed on this SDS are listed on Canada's DSL.

U.S. INFORMATION:
RCRA: Contains RCRA regulated substances. EPA Waste ID No.: D002
OSHA: This product meets the criteria for a hazardous substance as defined in the Hazard Communication Standard (29 CFR 1910.1200).
All chemical components listed on this SDS are listed on the TSCA Inventory.

XVI. OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. ALL PRODUCTS ARE OFFERED IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PRODUCTION SPECIFICATIONS AND ARE INTENDED SOLELY FOR USE IN ANALYTICAL TESTING. THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM THE HANDLING, USE OR MISUSE OF THESE PRODUCTS.

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SAFETY DATA SHEET

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S0601-1
Creation Date: 2012-07-16

I. CHEMICAL IDENTIFICATION

PRODUCT TRADE NAME:
Neutralizer Solution for Aluminum Vacu-vials® Kit

PRODUCT PART NO.: A-0601

COMPONENT OF KIT CATALOG NO.: K-0603
Complete kits contain additional chemical reagent(s). See separate SDS(s).

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 bottle contains approximately 5 grams of solid chemical.

II. HAZARDS IDENTIFICATION

NFPA RATINGS: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0
ACUTE TOXICITY: Irritation, nausea, vomiting, diarrhea, allergic contact dermatitis
CHRONIC TOXICITY: No data available.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: No data available.

III. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT:	Ammonium Sulfate	
CAS NO.:	7783-20-2	PERCENT: 89

COMPONENT:	DL-Mercaptosuccinic Acid	
CAS NO.:	70-49-5	PERCENT: 11

IV. FIRST AID MEASURES

EYE AND SKIN CONTACT: Immediately flush eyes and skin with water for 15 minutes.
INGESTION: Do not induce vomiting. 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.

V. FIRE FIGHTING MEASURES

FLASH POINT: N/A AUTOIGNITION POINT: N/A
FLAMMABILITY LIMITS: UPPER: N/A LOWER: N/A
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water spray or foam

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.
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.
Product should be stored in the dark and at room temperature, and should not be used beyond expiration date.

VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA PEL & ACGIH TLV: None listed
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: Powder APPEARANCE: White
ODOR: Noxious SPECIFIC GRAVITY: N/A
SOLUBILITY IN WATER: Soluble
BOILING POINT: Not determined MELTING POINT: Not determined
VAPOR PRESSURE: Not determined VAPOR DENSITY: Not determined

X. STABILITY AND REACTIVITY

INCOMPATIBILITIES: strong oxidizing agents, strong bases
HAZARDOUS DECOMPOSITION PRODUCTS: ammonia gas, oxides of sulfur, nitrogen and carbon
Stable under normal conditions.

XI. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS: None
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

Not regulated.

XV. REGULATORY INFORMATION

EUROPEAN INFORMATION:
EU Symbols: None
Risk Phrases: None
Safety Phrases: Avoid contact with skin and eyes. In case of contact with skin or eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

CANADIAN INFORMATION:
WHMIS Classification: Uncontrolled
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 an ammonium salt which is subject to the reporting requirements of Section 313 of SARA Title III.
All chemical components of this product are listed on the TSCA Inventory.

XVI. OTHER INFORMATION

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