



SAFETY DATA SHEET

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R5510-1
Creation Date: 2012-08-27

I. CHEMICAL IDENTIFICATION

PRODUCT TRADE NAME:

Hydrogen Peroxide CHEMets® and VACUettes® Refills
Hydrogen Peroxide Vacu-vials® Ampoules
Sodium Persulfate CHEMets® Refill

PRODUCT PART NOS.:

R-5510, R-5510A, R-5510B, R-5510C, R-5510D, K-5543, R-7870

COMPONENT OF KIT CATALOG NOS.:

K-5510, K-5510A, K-5510B, K-5510C, K-5510D, K-5543, K-7870

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 CHEMet™ and VACUette™ ampoule contains approximately 0.5 mL of liquid reagent sealed under vacuum. Each Vacu-vial™ ampoule contains approximately 2 mL of liquid reagent sealed under vacuum.

II. HAZARDS IDENTIFICATION

Irritant. Risk of serious damage to eyes.

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

ACUTE TOXICITY: Irritation, nausea, diarrhea

CHRONIC TOXICITY: Irritation

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye and skin disorders

III. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT: Ferrous Ammonium Sulfate, hexahydrate
CAS NO.: 7783-85-9 PERCENT: < 0.5

COMPONENT: Sulfuric Acid
CAS NO.: 7664-93-9 PERCENT: < 0.5

COMPONENT: Methanol
CAS NO.: 67-56-1 PERCENT: < 0.5

COMPONENT: Ammonium Thiocyanate
CAS NO.: 1762-95-4 PERCENT: 3

COMPONENT: Acetic Acid, Glacial
CAS NO.: 64-19-7 PERCENT: 5

COMPONENT: Deionized Water
CAS NO.: 7732-18-5 PERCENT: > 90

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 carcinogen hazard.

IV. FIRST AID MEASURES

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

INGESTION: Do not induce vomiting unless directed by medical personnel. 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.

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 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: 10 ppm TWA glacial acetic acid, 1.0 mg/m³ TWA sulfuric acid
ACGIH TLV: 10 ppm TWA glacial acetic acid, 0.2 mg/m³ TWA sulfuric 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: Colorless ODOR: Mild, vinegar-like
SPECIFIC GRAVITY: 1.0 SOLUBILITY IN WATER: Complete pH: 1.5
BOILING POINT: 101°C MELTING POINT: 1°C
VAPOR PRESSURE: N/A VAPOR DENSITY: N/A

X. STABILITY AND REACTIVITY

INCOMPATIBILITIES: strong bases, strong acids
HAZARDOUS DECOMPOSITION PRODUCTS: hydrogen cyanide gas, formaldehyde gas, ammonia or ammonia derivatives, oxides of sulfur, nitrogen and carbon
Stable under normal conditions.

XI. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS: None

TOXICOLOGICAL STATUS: Methanol: NTP – reasonably anticipated to be a developmental toxicant; California Proposition 65 – reproductive toxicant (developmental)

No other data available at this time.

XII. ECOLOGICAL INFORMATION

Acetic acid has a high BOD and biodegrades rapidly. Methanol is dangerous to aquatic life in high concentrations and is expected to biodegrade rapidly in soil and water. Ammonium thiocyanate and sulfuric acid are harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment.
No other data available at this time.

XIII. DISPOSAL CONSIDERATIONS

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

XIV. TRANSPORT INFORMATION

U.S. DOT, IATA, and IMDG: Dangerous Goods in Excepted Quantities
Hazard Class: 8 UN No.: 1760 Packing Group: II

XV. REGULATORY INFORMATION

EUROPEAN INFORMATION:

EU Symbols: Xi - IRRITANT

Risk Phrases: Risk of serious damage to eyes.

Safety Phrases: Avoid contact with eyes. Wear eye/face protection. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

CANADIAN INFORMATION:

WHMIS Classification: D1B, D2A, D2B

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

U.S. INFORMATION:

RCRA: Contains RCRA regulated substances. EPA Waste ID Nos.: D002, D003
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 methanol and ammonium salts which are 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 reproductive toxicant (developmental).

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.

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