

WTW GmbH
Dr. Karl Slevogt Str. 1, D-82362 Weilheim, Germany
Tel: 49(0)881/183-0

WTW Inc.
6E Gill St., Woburn, MA 01801 USA
Phone: 781-569-0095

Creation Date: 06/13/05 (2929F-1)
Revision Date:

FOR CHEMICAL EMERGENCY
Spill Leak Fire Exposure or Accident
Call CHEMTREC Day or Night
DOMESTIC NORTH AMERICA: 800-424-9300
INTERNATIONAL: 703-527-3887 (collect calls accepted)

MATERIAL SAFETY DATA SHEET

I. CHEMICAL IDENTIFICATION

TRADE NAME: PHOSPHATE HR Ampoules

MODEL NO.: PO4-5 CV (HR)

DESCRIPTION: Reagent ampoules for the determination of phosphate in water. Each ampoule contains approximately 2 mL of liquid reagent sealed under vacuum.

NFPA RATINGS: HEALTH: 3 FLAMMABILITY: 0 REACTIVITY: 1

II. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT: Ammonium Vanadate
CAS NO.: 7803-55-6 PERCENT: < 1.0

COMPONENT: Ammonium Molybdate, Tetrahydrate
CAS NO.: 12054-85-2 PERCENT: 2.0

COMPONENT: Sulfuric Acid
CAS NO.: 7664-93-9 PERCENT: <10.0

COMPONENT: Deionized Water
CAS NO.: 7732-18-5 PERCENT: >87.0

III. HAZARDS IDENTIFICATION

Caution! Causes burns.

ACUTE TOXICITY: Burns, irritation, abdominal pain, circulation disturbances, nausea, vomiting, rapid pulse and respiration.

CHRONIC TOXICITY: Irritation, dermatitis, tooth erosion, conjunctivitis, bronchitis, pneumonia, chronic irritation or inflammation, hypotension

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye, skin and respiratory disorders

IV. FIRST AID MEASURES

EYE AND SKIN CONTACT: Immediately flush eyes and skin with water for 15 minutes. Remove contaminated clothing. Seek medical attention.

INGESTION: Do not induce vomiting. Give large quantities of water. Give at least 1 ounce of milk of magnesia in an equal amount of water, or 3 egg whites. Never give anything by mouth to an unconscious person. Seek medical attention.

INHALATION: Remove to fresh air. If necessary, give artificial respiration by mechanical means, do not use mouth to mouth resuscitation, seek medical attention.

V. FIRE FIGHTING MEASURES

FLASH POINT: N/A AUTOIGNITION POINT: N/A
FLAMMABILITY LIMITS: UPPER: N/A LOWER: N/A
EXTINGUISHING MEDIA: Dry chemical 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 these ampoules.

WARNING: Do not break the tip of the ampoule unless it is completely immersed in your sample. Breaking the tip in the 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.

Use adequate ventilation.

Wash thoroughly after handling. Avoid contact with eyes.

Fragile. Liquid in glass. Handle with care.

Product should be stored in the dark and at room temperature; however, temperatures up to 120 °F or even below freezing will not normally affect reagent performance.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA PEL & ACGIH TLV: 1 mg/m³ Sulfuric Acid TWA

PROTECTIVE EQUIPMENT: Safety Glasses, protective gloves

IX. PHYSICAL AND CHEMICAL PROPERTIES

STATE: Liquid APPEARANCE: Pale yellow ODOR: None

SOLUBILITY IN WATER: Miscible pH: < 0.5

BOILING POINT: 120 °C MELTING POINT: 0 °C

VAPOR PRESSURE: N/A SPECIFIC GRAVITY: 1.08

VAPOR DENSITY: N/A

X. STABILITY AND REACTIVITY

INCOMPATIBILITIES: caustics

HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decomposition, ammonia and oxides of nitrogen, molybdenum, and sulfur may be emitted.

Stable under normal conditions.

XI. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS: None

No other data available at this time.

XII. ECOLOGICAL INFORMATION

Harmful to aquatic organisms.

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: 49 CFR, 173.4 Exceptions for Small Quantities

IATA: Dangerous Goods in Excepted Quantities

Hazard Class: 8 ID: UN 1760 GROUP: II

WTW GmbH

Dr. Karl Slevogt Str. 1, D-82362 Weilheim, Germany

Tel: 49(0)881/183-0

WTW Inc.

6E Gill St., Woburn, MA 01801, USA

Phone: 781-569-0095

Creation Date: 06/13/05 (2929F-1)

Revision Date:

FOR CHEMICAL EMERGENCY
Spill Leak Fire Exposure or Accident
Call CHEMTREC Day or Night
DOMESTIC NORTH AMERICA: 800-424-9300
INTERNATIONAL: 703-527-3887 (collect calls accepted)

XV. REGULATORY INFORMATION

EUROPEAN INFORMATION:

EU Symbols: C - CORROSIVE

Risk Phrases: Causes burns.

Safety Phrases: Avoid contact with skin and eyes. Wear eye protection and suitable gloves. 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 the label where possible).

CANADIAN INFORMATION:

WHMIS Classification: D1A, E

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

U.S. INFORMATION:

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.