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MATERIAL SAFETY DATA SHEET

I. CHEMICAL IDENTIFICATION

TRADE NAME: HYDROGEN PEROXIDE ACTIVATOR SOLUTION

CATALOG NO.: A-5500

DESCRIPTION: An accessory solution used in conjunction with reagent ampoules in the determination of hydrogen peroxide in water. Each bottle contains approximately 10 mL of accessory solution.

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

II. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT: Ammonium Molybdate
CAS NO.: 12027-67-7 PERCENT: 2.5

COMPONENT: Sulfuric Acid
CAS NO.: 7664-93-9 PERCENT: 6.0

COMPONENT: Deionized Water
CAS NO.: 7732-18-5 PERCENT: 91.5

III. HAZARDS IDENTIFICATION

Corrosive. May cause burns.

ACUTE TOXICITY: Irritation, burns, coughing, abdominal pain, nausea, vomiting, delayed lung edema

CHRONIC TOXICITY: Tooth erosion, irritation, dermatitis, conjunctivitis, bronchitis, copper deficiency

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye, skin, or respiratory disorders, impaired liver or kidney function

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 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Seek medical attention.

INHALATION: Remove to fresh air. 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 carbon dioxide

VI. ACCIDENTAL RELEASE MEASURES

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

VII. HANDLING AND STORAGE

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; 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.

IX. PHYSICAL AND CHEMICAL PROPERTIES

STATE: Liquid APPEARANCE: Colorless ODOR: None

SOLUBILITY IN WATER: Complete pH: < 0.5

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

VAPOR PRESSURE: Not determined

SPECIFIC GRAVITY: 1.06 VAPOR DENSITY: Not determined

X. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decomposition, ammonia or ammonia derivatives, hydrogen gas, 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

No data available.

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

XV. REGULATORY INFORMATION

EUROPEAN INFORMATION:

EU Symbols: Xi - IRRITANT

Risk Phrases: Irritating to eyes and skin.

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

CANADA INFORMATION:

WHMIS Classification: E, D2B

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

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.