I. PRODUCT IDENTIFICATION: Ag/AgCl Filling Solution
   Distributed by VWR International

   14002-824

   PRODUCT USE: Reagent

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

II. COMPOSITION/INFORMATION ON INGREDIENTS

   %  LD$_{50}$ mg/kg

   COMPONENT  Silver Chloride (AgCl)
   CAS NO.  7783-90-6
   <1.0  Not found

   COMPONENT  Potassium Chloride (KCl)
   CAS NO.  7447-40-7
   <30  2,500 (ORL-GPG)

   COMPONENT  Deionized Water
   CAS NO.  7732-18-5
   70  190,000 (IPR-MUS)

III. HAZARDS IDENTIFICATION

   TARGET ORGANS: Skin and eyes.
   ACUTE TOXICITY: Not an acute hazard for all routes of exposure. However, an electrolyte imbalance might occur if swallowed.
   CHRONIC TOXICITY: Not a chronic hazard for all routes of exposure.
   MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Will cause stinging in an open cut.

IV. FIRST AID MEASURES

   EYE AND SKIN CONTACT: Eyes: Irrigate with water. Skin: Wash with soap and water.
   INHALATION: Not hazardous.
   INGESTION: Dilute with water, seek medical attention.

V. FIRE FIGHTING MEASURES

   FLASH POINT: NA  AUTOIGNITION POINT: NA
   FLAMMABILITY LIMITS: UPPER: NA  LOWER: NA
   EXTINGUISHING MEDIA: Dry chemical, water, foam, or CO$_2$.

VI. ACCIDENTAL RELEASE MEASURES

   Clean up and set aside for waste disposal.

VII. HANDLING AND STORAGE

   Always wear eye protection and gloves when working with this product.
   Keep sealed and store at room temperature.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

   OSHA & ACGIH THRESHOLD LIMIT: None listed.
   PROTECTIVE EQUIPMENT: Safety glasses, lab coat and gloves.

IX. PHYSICAL AND CHEMICAL PROPERTIES

   STATE: Colorless liquid  ODOR THRESHOLD: None
   SENSITIVITY TO MECHANICAL IMPACT: None
   SENSITIVITY TO STATIC DISCHARGE: None
   COEFFICIENT OF OIL/WATER DISTRIBUTION: None
   SOLUBILITY IN WATER: Soluble pH: 5.5 – 8.0
   SPECIFIC GRAVITY: 1.12
   BOILING POINT: 106°C  MELTING POINT: Not determined
   VAPOR DENSITY: Not determined

X. STABILITY AND REACTIVITY

   Product is stable. Hazardous polymerization will not occur.
   Incompatibles: None.
   Hazardous decomposition product: None.

XI. TOXICOLOGICAL INFORMATION

   Route of Exposure: Itching of skin, irritation of eyes if allowed to come in contact.
   Teratogen Status: None
   Mutagen Status: None
   Reproductive Toxicity: None
   Carcinogen Status: None

XII. ECOLOGICAL INFORMATION

   None available.

XIII. DISPOSAL CONSIDERATIONS

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

XIV. TRANSPORT INFORMATION

   Product is not hazardous for transport.

XV. REGULATORY INFORMATION

   EUROPEAN INFORMATION:
   None.

   US/ CANADA INFORMATION
   SARA/Title III: Not listed.
   Cal. Proposition 65: Ingredients not listed.
   US TSCA Inventory: Ingredients are listed.
   CPR Class: None.
   TDG Class: None.
   MSDS discloses elements required by the CPR.

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.

MSDS prepared by Quality Assurance Group.

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