

MATERIAL SAFETY DATA SHEET**1. PRODUCT IDENTIFICATION**

Product Name: **KPS-1[®], Kidney Preservation Solution**

2. INGREDIENTS

Formula: Proprietary
Chemical Family: Mixture of Salts and Carbohydrates

3. HAZARDS IDENTIFICATION

Hazardous Ingredients including Paints, Preservatives and Solvents: N/A
Hazardous Ingredients including Alloys and Metallic Coatings: N/A
Hazardous Mixtures of other Liquids, Solids or Gases: Not Identified

4. FIRST AID MEASURES

Skin or Eye Contact: Flush with plenty of water for 15 minutes.
Ingestion: If swallowed, immediately give large amounts of water.
Any contact area: Flush area with copious amounts of water.

5. FIRE FIGHTING MEASURES

Flash Point: Greater than 93° C (200°F)
Flammable Limits: Not determined.
Extinguishing Media: CO₂, water spray, or appropriate foam.
Special Fire Extinguishing Procedures: Personal protective equipment should prevent contact with the skin and eyes.
Unusual Fire and Explosion Hazards: None Known.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Release: Dilute with Water.
Disposal Method: Dispose of in accordance with all Federal, State and Local Regulations.

7. HANDLING AND STORAGE

KPS-1 solution may be stored at room temperature. However, it is recommended that KPS-1 be stored between 2° C and 8° C to reduce preparation and cooling time prior to use. The solution should not be frozen or exposed to excessive heat (temperatures exceeding 51° C). KPS-1 should be stored in a dry place away from direct sunlight.

8. PERSONAL PROTECTION

Protective Gloves:	If Contact is likely.
Eye Protection:	Safety Glasses.
Other:	Eye Station must be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	100°C (212°F)
Viscosity:	2.5CP
Specific Gravity:	1.05
Vapor Pressure:	No Data Available
Vapor Density:	No Data Available
Solubility:	Complete
Appearance and Odor:	Clear and Odorless

10. STABILITY AND REACTIVITY

Stability: **Stable, Solution Stability has been determined by Aging Accelerated Studies at > 42°C for 45 days to determine a six month equivalence with out any deleterious effects to the solution. Additionally, Real-time Studies out to 24 months have been performed to assess solution stability.**

Shelf Life:	2 years
Conditions to avoid:	Do Not Freeze
Incompatibility (Materials to avoid):	None identified
Hazardous Decomposition Products:	None identified

11. OTHER INFORMATION

Latex is not used in the manufacture of any components in this product.

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown. However, no warranty, expressed or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial and local laws.

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