



## MATERIAL SAFETY DATA SHEET

Organ Recovery Systems, Inc.  
2570 East Devon Avenue  
Des Plaines, IL 60018  
(847) 824-2600  
www.organ-recovery.com

### 1. PRODUCT IDENTIFICATION

Product Name: **KPS-1, The Kidney Preservation Solution**

### 2. INGREDIENTS

**Formula:** Proprietary  
**Chemical Family:** Mixture of Salts and Carbohydrates

### 3. HAZARDS IDENTIFICATION

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

### 4. FIRST AID MEASURES

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

### 5. FIRE FIGHTING MEASURES

<b>Flash Point:</b>	Greater than 200°F
<b>Flammable Limits:</b>	Not determined.
<b>Extinguishing Media:</b>	CO <sub>2</sub> , water spray, or appropriate foam.
<b>Special Fire Extinguishing Procedures:</b>	Personal protective equipment should prevent contact with the skin and eyes.
<b>Unusual Fire and Explosion Hazards:</b>	None Known.

### 6. ACCIDENTAL RELEASE MEASURES

<b>In Case of Spill or Release:</b>	Dilute with Water.
<b>Disposal Method:</b>	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. KPS-1 is shipped either overnight or second day air in a dry, non-refrigerated shipping container.**

**8. PERSONAL PROTECTION**

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

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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

**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 12 months have been performed to assess solution stability.**

<b>Shelf Life:</b>	<b>360 days</b>
<b>Conditions to avoid:</b>	<b>Do Not Freeze</b>
<b>Incompatibility (Materials to avoid):</b>	<b>None identified</b>
<b>Hazardous Decomposition Products:</b>	<b>None identified</b>

**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.