

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

078008994

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

078008986 078009341 078009358 078009747 078416527 078421211 078436442 078836551 078836569 078836577  
078836585 078836593 078836601 078836619 078836627 078836635 078836643 078836650 078836668 078836734  
078836742 078836759 078836767 078836775 078836783 078836791 078836809 078836817 078836825

## Abbott Fluid Therapy Injectables

### Products Not Requiring Material Safety Data Sheet

The Occupational Safety and Health Administration's (OSHA) Hazard Communication Standard (29CFR1910.1200) requires manufacturers to prepare material safety data sheets for chemical products which are considered "hazardous" according to the regulation. For a chemical or formulation to be hazardous, it must present either a physical hazard or health hazard. The list below identifies those Hospira products that do not meet OSHA's "hazardous" chemical classification. Material safety data sheets have not been prepared for the products listed below.

- 4 Trace Elements Injection
- Acetic Acid Irrigation
- Aminosyn® (An Amino Acid Injection)
- Aminosyn® in Dextrose Injection
- Ascorbic Acid Injection
- Balanced Salt Solution
- Calcium Gluconate Injection
- Cardioplegic Solution (Plegisol®)
- Chromic Chloride Injection
- Cupric Chloride Injection
- Dextran in Dextrose Injection
- Dextran in Sodium Chloride Injection
- Dextrose and Lactated Ringer's Injection
- Dextrose and Ringer's Injection
- Dextrose and Sodium Chloride Injection
- Dextrose Injection
- Elliott's Solution A
- Glycine Irrigation
- Hetastarch in Sodium Chloride Injection
- Hextend® - 6% Hetastarch in Lactated Electrolyte Injection
- Ionosol® and Dextrose Injection
- Lactated Ringer's Injection
- Lactated Ringer's Irrigation
- Liposyn® (I.V. Fat Emulsion)
- LMD in Dextrose Injection
- LMD in Sodium Chloride Injection
- Manganese Chloride Injection
- Mannitol Injection
- Medical Devices
- Normosol® Injection
- Physiosol® Irrigation
- Potassium Acetate Injection
- Potassium Chloride in Dextrose and Sodium Chloride Injection
- Potassium Chloride in Dextrose Injection
- Potassium Chloride in Lactated
- Potassium Chloride in Sodium Chloride Injection
- Potassium Chloride Injection
- Ringer's and Dextrose Injection
- Ringer's Injection
- Ringer's Irrigation
- Sodium Acetate Injection
- Sodium Bicarbonate Injection
- Sodium Chloride Injection
- Sodium Chloride Irrigation
- Sodium Lactate Injection
- Sodium Phosphates Injection
- Sorbitol-Mannitol Irrigation
- Sterile Water for Injection
- Sterile Water for Irrigation
- Theophylline in Dextrose Injection
- Voluven 6% Hydroxyethyl Starch Solution
- Zinc Chloride Injection

### Disclaimer:

The information contained in these data sheets is based on the data available to Hospira as of the posting on this web site of this information, and is believed to be accurate based upon that data as of such time. This information is provided independently of any sale of the products, for purpose of hazard communication. It is not intended to constitute product performance information, and no express or implied warranty of any kind is made with respect to the product, underlying data or the information contained herein.

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## MATERIAL SAFETY DATA SHEET

**Product Name: Potassium Chloride Injection, USP**

### 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Manufacturer Name  
And Address** Hospira, Inc.  
275 North Field Drive  
Lake Forest, Illinois 60045  
USA

**Emergency Telephone  
Hospira, Inc.** CHEMTREC: 800 424-9300  
224 212-2055

**Product Name** Potassium Chloride Injection, USP

**Synonyms** None

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredient Name  
Chemical Formula** Potassium Chloride  
KCl

Component	Approximate Percent by Weight	CAS Number	RTECS Number
Potassium Chloride	14	7447-40-7	TS8050000
Water	86	7732-18-5	ZC0110000

### 3. HAZARD INFORMATION

**Emergency Overview** In clinical use, this material is used for potassium replacement. Possible target organs include the blood, heart, cardiovascular system, gastrointestinal tract (if ingested) and possibly the eyes.

**Occupational Exposure  
Potential** Information on the absorption of this compound via ingestion, inhalation or skin contact is not available. Avoid liquid aerosol generation and skin contact.

**Signs and Symptoms** No signs or symptoms from occupational exposure are known. Clinical data suggest the following: increased blood potassium, gastrointestinal upset, cardiac arrest.

**Medical Conditions  
Aggravated by Exposure** Hypersensitivity to the material and/or similar materials. Pre-existing ailments in the following organs: cardiovascular system, gastrointestinal system.

**Product Name: Potassium Chloride Injection, USP**

**4. FIRST AID MEASURES**

**Eye Contact:** Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

**Skin Contact:** Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

**Inhalation:** Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic / supportive care as necessary.

**Ingestion:** Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic / supportive care as necessary.

**5. FIRE FIGHTING MEASURES**

**Flammability:** Non-flammable

**Fire & Explosion Hazard:** None

**Extinguishing Media:** Use extinguishing media appropriate for primary cause of fire.

**Special Fire Fighting Procedures** No special provisions required beyond normal fire fighting equipment such as flame and chemical resistant clothing and self contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

**Spill Cleanup and Disposal** Absorb with suitable material and clean affected area with soap and water. Dispose of materials according to the applicable federal, state, or local regulations.

**7. HANDLING AND STORAGE**

**Handling** No special handling required.

**Storage** No special storage required for hazard control. For product protection store at controlled room temperature of 15-30°C (59-86°F).

**Special Precautions** Protect from freezing and extreme heat.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Component	Exposure limits		
	OSHA-PEL	ACGIH-TLV	Hospira EEL
Potassium Chloride	8 hr TWA: Not Established	8 hr TWA: Not Established	8 hr TWA: 700 mcg/m3 STEL: Not Established

Notes: OSHA PEL: US Occupational Safety and Health Administration – Permissible Exposure Limit  
ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value.  
EEL: Employee Exposure Limit.  
TWA: 8 hour Time Weighted Average.  
STEL: 15-minute Short Term Exposure Limit.

**Product Name: Potassium Chloride Injection, USP**

**Respiratory Protection**                      Respiratory protection is not needed during normal product use.

**Skin Protection**                                If solution contact with unprotected skin is likely, use of impervious gloves is a prudent practice.

**Eye Protection**                                Eye protection is not required during expected product use conditions but may be warranted should a splash potential exist.

**Engineering Controls**                        Engineering controls are not needed during normal product use conditions.

**9. PHYSICAL/CHEMICAL PROPERTIES**

**Appearance/Physical State**                      Clear liquid

**Odor**    None

**Boiling Point**                                    Approximately that of water (100 °C, 212 °F).

**Freezing Point**                                 Approximately that of water (0 °C, 32 °F).

**Vapor Pressure**                                 Approximately that of water (17.5 mm Hg at 20 °C).

**Vapor Density (Air=1)**                        Not Applicable

**Evaporation Rate**                             Not Applicable

**Bulk Density**                                    Not Determined

**Specific Gravity**                                Approximately that of water (1.0)

**Solubility**                                        Aqueous solution. Slightly soluble in alcohol

**pH**    3.0 – 8.0

**10. STABILITY AND REACTIVITY**

**Chemical Stability**                             Stable under standard use and storage conditions.

**Incompatibilities**                              Violent reaction with BrF3 (H2SO4 and KMnO4)

**Hazardous Decomposition Products**                      Toxic fumes of Cl

**Hazardous Polymerization**                      Not Determined.

**11. TOXICOLOGICAL INFORMATION:****Acute Toxicity – Oral:**

Ingredient(s)	Percent	Test Type	Value	Units	Species
Potassium Chloride	100	LD50	1500-2600	mg/kg	Rats, Mice, Guinea Pigs

LD50 is the dosage producing 50% mortality.  
Product contains approximately 14% Potassium Chloride.

**Mutagenicity**                                    Not Determined

**Target Organ Effects**                        In clinical use target organ effects include central nervous system, blood, heart, cardiovascular system and gastrointestinal tract (if ingested).

**12. ECOLOGICAL INFORMATION:**

**Aquatic Toxicity**                                Not Available

**Product Name: Potassium Chloride Injection, USP**

**13. DISPOSAL CONSIDERATIONS:**

<b>Waste Disposal</b>	Disposal should be performed in accordance with the federal, state or local regulatory requirements.
<b>Container Handling and Disposal</b>	Dispose of container and unused contents in accordance with federal, state, and local regulations.

**14. TRANSPORTATION INFORMATION**

**DOT** Not Regulated

Notes: DOT - US Department of Transportation Regulations

**15. REGULATORY INFORMATION**

<b>TSCA Status</b>	Potassium Chloride is listed on the TSCA inventory.
<b>CERCLA Status</b>	Not Regulated
<b>SARA Status</b>	Not Regulated
<b>RCRA Status</b>	Not Regulated
<b>PROP 65 (Calif.)</b>	Not Regulated

Notes: TSCA Toxic Substance Control Act  
CERCLA, US EPA law, Comprehensive Environmental Response, Compensation, and Liability Act  
SARA Superfund Amendments and Reauthorization Act  
RCRA US EPA, Resource Conservation and Recovery Act  
Prop 65, California Proposition 65

**16. OTHER INFORMATION:**

MSDS Coordinator	Global Occupational Toxicology
Date Prepared	September 15, 2005
Date Revised	October 21, 2008

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