Material Safety Data Sheet

MSDS Number: 1087919
Revision date: 03/19/2008
Print date: 03/19/2008

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Number: 1087919
Product name: Dianeal Low Calcium Peritoneal Dialysis Solutions with Dextrose
Product code: 5B4825, 5B4826, 5B5202, 5B5203, 5B9715, 5B9718, 5B9725, 5B9727, 5B9728, 5B9738, 5B9745, 5B9747, 5B9748, 5B9765, 5B9766, 5B9768, 5B9775, 5B9776, 5B9778, 5B9795, 5B9796, 5B9798, 5B9901, 5B9902, 5B9903, 5B9905, 5B9907, 5B9911, 5B9912, 5B9913, 5B9914, 5B9915, 5B9916, 5B9917, 5B9918, 5B9919, 5B9920, 5B9921, 5B9922, 5B9923, 5B9924, 5B9925, 5B9926, 5B9927, 5B9928, 5B9929, 5B9930, 5B9931, 5B9932, 5B9933, 5B9934, 5B9935, 5B9936, 5B9937, 5B9938, 5B9939, 5B9940, 5B9941, 5B9942, 5B9943, 5B9944, 5B9945, 5B9946, 5B9947, 5B9948, 5B9949, 5B9950, 5B9951, 5B9952, 5B9953, 5B9954, 5B9955, 5B9956, 5B9957, 5B9958, 5B9959

Synonyms:
Dianeal (R) Low Calcium Peritoneal Dialysis Solution with 1.5% Dextrose
Dianeal (R) Low Calcium Peritoneal Dialysis Solution with 2.5% Dextrose
Dianeal (R) Low Calcium Peritoneal Dialysis Solution with 3.5% Dextrose
Dianeal (R) Low Calcium Peritoneal Dialysis Solution with 4.25% Dextrose

Chemical Family: Peritoneal dialysis solution
Product Type: Regulated Prescription Drug
Container Information: Plastic Bags
Product Use: Pharmaceutical.

Supplier:
BAXTER HEALTHCARE CORPORATION
DEERFIELD, ILLINOIS 60015
(800) 422-9837 or (847) 948-4770

Emergency telephone number:
PROSAR: USA (888) 990-0996 OUTSIDE USA (615)917-614
CHEMTREC: USA (800) 424-9300 OUTSIDE USA (743)741-6089

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight %</th>
<th>UN Number:</th>
<th>Classification:</th>
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</thead>
<tbody>
<tr>
<td>Magnesium chloride, hexahydrate</td>
<td>&lt;0.1</td>
<td>UN1418 (powder); UN1869; UN2950 (granules, coated)</td>
<td>F; R15 R17; S2 S7/8 S43</td>
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<tr>
<td>7791-18-6</td>
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<tr>
<td>Calcium Chloride, Dihydrate</td>
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<tr>
<td>10035-04-8</td>
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<tr>
<td>Sodium Lactate</td>
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<td>7647-14-5</td>
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<tr>
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<td>&gt;90</td>
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<tr>
<td>7732-18-5</td>
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<td></td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Emergency overview: Product contains no specific hazards other than therapeutic effects.

Principle routes of exposure: Absorbed through skin. Eye contact. Ingestion.
3. HAZARDS IDENTIFICATION

Inhalation: Inhalation not likely under normal use conditions.

Ingestion: Gastrointestinal effects (may include nausea, upset stomach, loss of appetite). Cardiovascular effects (may include fluctuations in heart rate, changes in blood pressure, chest pain). Fluid imbalance (increased fluid volume, electrolyte imbalance). May cause allergic reaction.

Skin contact: No known effect according to our database.

Eye contact: No known effect according to our database.

4. FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Skin contact: Wash contaminated skin with soap and water. Get medical attention if irritation develops.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

Eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops.

Notes to physician: See patient package insert in shipping carton for complete information.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use foam or all purpose dry chemicals to extinguish.

Special protective equipment for firefighters: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Specific methods: No information available

Flash point: Closed cup >200 °F (93 °C)

Autoignition temperature: Not available

Flammable limits in air-lower (%): Not available

Flammable limits in air-upper (%): Not available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).

Environmental precautions: No information available.

Methods for cleaning up: For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.
7. HANDLING AND STORAGE

Handling:
Technical measures/precautions: Wash thoroughly after handling.

Storage:

Incompatible products: No special restrictions on storage with other products.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA- Time Weighted Average: None</th>
<th>OSHA- Short Term Exposure Limit: None</th>
<th>OSHA- Ceiling Limits None</th>
<th>ACGIH- Time Weighted Average: None</th>
<th>ACGIH- Short Term Exposure Limit: None</th>
<th>ACGIH- Ceiling Limit Value: None</th>
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<tr>
<td>Magnesium chloride, hexahydrate 7791-18-6</td>
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<td>Calcium Chloride, Dihydrate 10035-04-8</td>
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<td>None</td>
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<td>None</td>
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<td>None</td>
</tr>
</tbody>
</table>

Engineering measures: No special containment is required. Good general ventilation should be sufficient to control airborne levels.

Personal protective equipment:

Respiratory protection: No personal respiratory protective equipment normally required.

Hand protection: Use chemical resistant, impervious gloves.

Skin and body protection: Work uniform or laboratory coat.

Eye protection: Eye protection not required for normal final product use. Safety glasses with side-shields are recommended for laboratory and manufacturing use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Appearance: Aqueous solution
Color: Clear
Odor: Not available.
9. PHYSICAL AND CHEMICAL PROPERTIES

pH: 4.0 - 6.5
Molecular weight: Not applicable
Boiling point/range: Not available.
Melting point/range: Not available.
Density: Not available.
Vapor pressure: Not available.
Evaporation rate: Not available.
Solubility: Soluble in water.
Partition coefficient (n-octanol/water): Not available.
Viscosity: Not available.
% Volatile by Volume: Not available.

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.
Polymerization: Not applicable
Hazardous decomposition products: Not available.
Materials to avoid: Not available.

11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Component</th>
<th>LD50s and LC50s</th>
</tr>
</thead>
</table>
| Magnesium chloride, hexahydrate| Oral LD50 Rat = 8100 mg/kg  
| 7791-18-6                     | Oral LD50 Mouse = 7600 mg/kg                         |
| Calcium Chloride, Dihydrate    | Intraperitoneal LD50 Mouse = 20500 mg/kg             |
| 10035-04-8                     |                                                     |
| Sodium Lactate                 | None                                                |
| 72-17-3                        |                                                     |
| Dextrose                       | None                                                |
| 5996-10-1                      |                                                     |
| Sodium Chloride                | Inhalation LC50 Rat >42 gm/m³/1H  
| 7647-14-5                      | Oral LD50 Rat = 3 gm/kg                              |
|                                | Oral LD50 Mouse = 4 gm/kg                           |
|                                | Dermal LD50 Rabbit >10 gm/kg                        |
| Water                          | Oral LD50 Rat: >50000 mg/kg                         |
| 7732-18-5                      |                                                     |
Acute toxicity: Gastrointestinal effects (may include nausea/vomiting, abdominal pain, diarrhea, dry mouth, colic). Cardiovascular effects (may include fluctuations in heart rate, changes in blood pressure, chest pain). Fluid imbalances (increased fluid volume, electrolyte imbalance). May affect equilibrium. May cause muscle cramps. May cause allergic reactions.

Chronic toxicity: No data is available on the product itself.

Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. No data is available on the product itself.

Mutagenic effects: No data is available on the product itself.

Reproductive toxicity: No data is available on the product itself.

FDA Pregnancy Catagory: C

12. ECOLOGICAL INFORMATION

Environmental properties:

<table>
<thead>
<tr>
<th>Component</th>
<th>Ecotoxicity - Water Flea Data</th>
<th>Fish Species Ecotoxicity</th>
<th>Ecotoxicity - Freshwater Algae Data</th>
<th>Ecotoxicity - Microtox Data</th>
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<tr>
<td>Magnesium chloride, hexahydrate 7791-18-6</td>
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</table>

Ecotoxicity effects: No data available

Bioaccumulation: No data available

13. DISPOSAL CONSIDERATIONS

Waste Classification: Not regulated.

Waste from residues / unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations.

14. TRANSPORT INFORMATION
14. TRANSPORT INFORMATION

DOT:
- DOT shipping name: None
- UN Number: None
- DOT Packing Group: None
- DOT Hazard class: None

TDG (Canada):
- TDG Proper shipping name: None
- TDG UN/NA Number: None
- TDG Packing Group: None
- TDG Hazard class: None

ADR/RID:
- ADR Official Transport Name: None
- ADR Proper shipping name: None
- ADR UN/NA number: None
- ADR Hazard Class: None

ICAO / IATA:
- IATA Proper shipping name: None
- IATA UN NUMBER: None
- IATA Primary Hazard: None
- IATA Packing group: None
- ICAO ERG Code: None

IMO / IMDG:
- IMDG Proper Shipping Name: None
- IMDG Hazard Class and Division: None
- IMDG Packing Group: None
- IMDG Subsidiary Risks: None

15. REGULATORY INFORMATION

U.S. Regulations:
TSCA Inventory List - The product is exempt from TSCA, it is FDA Regulated

OTHER REGULATIONS:
Japanese Inventory (ENCS) This product does not comply with JPENCS

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight %</th>
<th>RCRA Status:</th>
<th>CERCLA Reportable Quantity:</th>
<th>CERCLA/SARA - 302 Ext. haz. substances:</th>
<th>Listed as Sara 313 title III:</th>
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<tbody>
<tr>
<td>Magnesium chloride, hexahydrate</td>
<td>&lt;0.1</td>
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STATE REGULATIONS:
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<tr>
<th>Component</th>
<th>California Prop 65:</th>
<th>Minnesota Right-To-Know:</th>
<th>Florida Right-to-Know Reporting List:</th>
<th>Rhode Island Right-to-Know List:</th>
<th>Massachusetts Right-to-Know List:</th>
<th>Pennsylvania Right-to-Know:</th>
<th>New Jersey Right-to-Know:</th>
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<tbody>
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</table>

**CANADIAN REGULATIONS:**

**Canada DSL Inventory List** - This product does not comply with DSL

**EU EINECS List** - This product does not comply with EINECS

**Risk Phrases:**
Not determined

**Safety Phrases:**
Not Determined

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**16. OTHER INFORMATION**

This data sheet contains changes from the previous version in section(s)?:
New MSDS format. Changes to Section 8.

**Additional information:**
Not Available.

**Prepared by:**
Technology Resources, Baxter Healthcare Corporation

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of safety data sheet: