MATERIAL SAFETY DATA SHEET
BICART – SODIUM BICARBONATE COLUMN

Date Prepared: June 16, 2003

GENERAL INFORMATION

Manufacturer: Gambro Lundia AB
Solutions Division
Box 10101
SE – 220 10 Lund, Sweden

Distributor: Gambro Renal Products
10810 West Collins Avenue
Lakewood, CO 80215
Telephone: 800-525-2623
Fax: 303-231-4032
Emergency (Chemtrec): 800-424-9300

SECTION I - PRODUCT IDENTIFICATION

Product Name: BiCart - Sodium Bicarbonate Column
Chemical Name: Sodium bicarbonate powder
Description: Inorganic salt
Synonym: Baking Soda
Formula: NaHCO₃

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
<th>CAS No.</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium bicarbonate</td>
<td>100%</td>
<td>144-5-8</td>
<td>NA</td>
</tr>
</tbody>
</table>

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance: White crystalline powder
Odor: None
Solubility in water: Moderate
Specific gravity: 2.20 for compressed solid
                  0.98 for granula form
Boiling Point: NA
Melting Point: Decomposes @ 228° F
pH: 8.3 (0.1 molar solution, 25°C)

SECTION IV - FIRST AID MEASURES

Inhalation: Remove patient to fresh air. Contact a physician if respiratory difficulty is experienced.
Ingestion: If large amounts were swallowed, dilute by drinking water. Contact a physician.
Skin Contact: Wash exposed area with soap and water. Contact a physician if irritation develops.
Eye Contact: Rinse thoroughly with running water. Contact a physician.
SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Non combustible
Fire and Explosion Hazards: None
Extinguishing media: Use any means suitable for extinguishing the surrounding fire.
Additional Information: Use protective clothing and breathing equipment appropriate for the surrounding fire.

SECTION VI - REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Reacts with acids to form salt, water and carbon dioxide
Hazardous Decomposition of byproducts: Yields about 1% per hour Sodium Carbonate when temperature is raised to 190°F. Dust may be irritating to eyes, skin and respiratory tract. Heating above 228°F may cause dangerous levels of CO₂ to be present in atmosphere.

SECTION VII - HEALTH HAZARDS

Route(s) of entry: Inhalation: Yes  Skin: No  Ingestion: Yes
Carcinogenicity: NTP: No  IARC: No  OSHA: No

Effects of Overexposure:
   Skin Contact: Not a skin irritant.
   Eye Contact: May cause irritation, redness and pain.
   Inhalation: Not known.
   Ingestion: Extremely large doses may cause gastrointestinal disturbances.
   Chronic Exposure: No known affects.

SECTION VIII - SPILL OR LEAK PROCEDURES

If material is released or spilled: Scoop powder into dry, clean containers.
Waste Disposal: Observe all federal, state and local laws.

SECTION IX - SPECIAL PROTECTION INFORMATION

Respiratory Protection: No special requirements.
Ventilation: General.
Gloves: Use rubber or other impervious type for prolonged contact.
Eye Protection: Safety glasses or goggles.
Other: Eyewash and washing facilities should be available.