

Material Safety Data Sheet

MSDS Number: 1087968

Revision date: 11/1/2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Number: 1087968

Product name: Sodium Bicarbonate Hemodialysis Concentrate Solution

Product code: LB-101

Synonyms: Sodium Bicarbonate; BAKING SODA; BICARBONATE of SODA; CARBONIC ACID MONOSODIUM SALT; COL-EVAC; JUSONIN; MONOSODIUM CARBONATE; NEUT; SODA MINT; SODIUM ACID CARBONATE; SODIUM HYDROGEN CARBONATE

Chemical Family: Base

Product Type: Hemodialysis

Container Information: Plastic, HDPE 4.5L / 6.4 L / 8 L

Product Use: Hemodialysis Concentrate

Supplier:

FRESENIUS MEDICAL CARE CANADA - HAEMOTEC

VAUDREUIL-DORION

(877) 633 - 0013

Emergency telephone number: CHEMTREC 800-424-9300, International 703-527-3887

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component Weight % UN Number: Classification:

Sodium Bicarbonate 144-55-8; Weight %: 5-8 , UN Number: None, Classification: None

Inert Ingredients None; >95 , None, None

3. HAZARDS IDENTIFICATION

Emergency overview: No specific hazards.

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

Inhalation: Inhalation not likely under normal use conditions.

Ingestion: Gastrointestinal effects (may include nausea, upset stomach, loss of appetite). Metabolic alkalosis.

Skin contact: None known

Eye contact: May cause eye irritation.

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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: No specific treatment, treat symptomatically.

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: Not determined
Autoignition temperature: Not available
Flammable limits in air-lower (%): Not available
Flammable limits in air-upper (%): Not available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep unnecessary personnel away. 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: Technical measures/storage conditions:
Keep containers tightly closed in a cool, well-ventilated place. Store between 15-30°C (59 to 86°F).
Incompatible products: No special restrictions on storage with other products.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Chemical Name	OSHA- Short Term Exposure Limit:	OSHA- Ceiling Limits ACGIH- Time Weighted Average:	ACGIH- Short Term Exposure Limit:	ACGIH- Ceiling Limit Value:
Sodium Bicarbonate	None	None	None	None

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

Personal protective equipment:

Respiratory protection: Perform exposure monitoring for this product and its components to ensure that employees are not exposed to levels greater than applicable regulatory limits. If exposure levels exceed regulatory limits, implement a respiratory protection

program including respiratory protection that is in compliance with OSHA 29 CFR1910.134 (in the US) or equivalent regulation in other regions. Fire fighting requires the use of a self-contained breathing apparatus with full face piece and positive pressure mode.

Hand protection: Use chemical resistant, impervious gloves.

Skin and body protection: Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits).

Eye protection: Safety glasses as described by OSHA's eye and face protection regulation in 29 CFR 1910.133 or European Standard EN166.

Goggles, face shield, or other full-face protection if potential exists for direct exposure to aerosols or splashes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Appearance: Aqueous solution

Color: Clear, Colorless.

Odor: Odorless

pH: 7.6 - 8.5

Molecular weight: Not available.

Boiling point/range: Not available.

Melting point/range: Not available.

Density: Not available.

Vapor pressure: Not available.

Evaporation rate: Not available.

Solubility: Slightly soluble in water.

Partition coefficient (octanol/water):

Not available.

Viscosity: Not available.

% Volatile by Volume: Not available.

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10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions (15°C – 30°C)

Polymerization: Not applicable

Hazardous decomposition products:

Carbon oxides

Materials to avoid: Not available.

11. TOXICOLOGICAL INFORMATION

Component LD50s and LC50s

Sodium Bicarbonate

144-55-8

Oral LD50 Mouse = 3360 mg/kg

Oral LD50 Rat = 4220 mg/kg

Inert Ingredients : None

Acute toxicity: Gastrointestinal effects (may include nausea, upset stomach, loss of appetite).

Metabolic alkalosis.

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 impairment to fertility based on animal data. Not considered fetotoxic based on animal data.

12. ECOLOGICAL INFORMATION

Environmental properties:

Chemical Name	Ecotoxicity - Fish Species Data	Ecotoxicity - Freshwater Algae Data	Microtox Etotoxicity Data
Sodium Bicarbonate	None	None	None

Ecotoxicity effects: No data available

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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

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.

OTHER REGULATIONS:

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

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Concentrate Solution

Component Weight % RCRA Status: CERCLA
Reportable

Quantity:

CERCLA/SARA -

302 Ext. haz.

substances:

Listed as Sara

313 title III:

No chemical are reportable under Section 313.

STATE REGULATIONS:

Sodium bicarbonate

Component California Prop 65: Not Listed

Minnesota Right-To -Know: Not Listed

Florida Right to- Know Reporting List: Not Listed

Rhode Island Right-to-Know List: Not Listed

Massachusetts Right-to-Know List: Not Listed

Pennsylvania Right-to-Know: Not Listed

New Jersey Right-to- Know: Not Listed

Inert ingredient

Component California Prop 65: Not Listed

Minnesota Right-To -Know: Not Listed

Florida Right to- Know Reporting List: Not Listed

Rhode Island Right-to-Know List: Not Listed

Massachusetts Right-to-Know List: Not Listed

Pennsylvania Right-to-Know: Not Listed

New Jersey Right-to- Know: Not Listed

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:

NONE

Safety Phrases:

NONE

16. OTHER INFORMATION

This data sheet contains changes from the previous version in section(s)?:

New MSDS.

Additional information:

Not Available.

Prepared by: FMCC - Haemotec

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:

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