



**SAFETY DATA SHEET
(SDS)**

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Bibag
Product Number:	None
Formula:	NaHCO ₃
Product Use:	Medical Care
Restrictions on Use:	None

SUPPLIER INFORMATION: Fresenius Medical Care

Address: Renal Product
Technologies
920 Winter Street
Waltham, MA 02451

Phone Number: 1-800-662-1237
Fax Number: N/A
Email Address: N/A

Emergency Contact Information:
CHEMTREC 1-800-424-9300

2. HAZARDS IDENTIFICATION

CLASSIFICATION AND LABELING (GHS / HMIS / NFPA):

GHS Status		
Pictogram	Classification	Signal Word and Hazard Statements
None	NOT CLASSIFIED	None

HMIS Ratings	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	A

NFPA Ratings	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
SPECIFIC HAZARD	---

POTENTIAL HEALTH EFFECTS

ACUTE EFFECTS:

Eye: Although not classified as hazardous, overexposure associated with non-standard use may cause tearing and irritation.

Skin: Although not classified as hazardous, overexposure associated with non-standard use may cause irritation to skin and mucus membranes.

Inhalation: Although not classified as hazardous, overexposure associated with non-standard use may cause pulmonary irritation. Very high exposure may cause apnea, cyanosis and pulmonary edema secondary to alkalosis.

Ingestion: Although not classified as hazardous, overexposure associated with non-standard use may result in vomiting, diarrhea, muscle cramps, listlessness, hypotension, and cardiac arrhythmias.



CHRONIC EFFECTS:

Metabolic abnormalities may result from chronic overexposure, including hyponatremia, hypokalemia, and alkalosis.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No.	Weight % Range
Sodium Bicarbonate	144-55-8	100

4. FIRST AID MEASURES

PROCEDURES

- Eye Contact: Flush eyes with copious amounts of water for at least 15 minutes. Get medical attention if irritation, pain, swelling, tearing or other symptoms persist.
- Skin Contact: Wash with soap and water. Get medical attention if irritation, pain, swelling or other symptoms persist.
- Inhalation: Contact a physician.
- Ingestion: Give several glasses of water to dilute. Vomiting may occur, but do not induce. Contact a physician.
- Note to Physicians: None known. Use general supportive care.

5. FIRE FIGHTING MEASURES

- Unusual Fire and Explosion Hazards: None.
- Extinguishing Media: Alcohol foam, water fog, carbon dioxide or dry chemical as appropriate for surrounding fire.
- Special Firefighting Procedures: Use procedures, protective clothing, breathing apparatus, and equipment appropriate for surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions: In case of accidental bulk release, wear appropriate personal protective equipment (PPE), including goggles, boots, gloves, and clothing which covers exposed areas of the arms, legs and torso (PPE must be selected in accordance with Section 8 of this SDS).
- Environmental precautions: Avoid dispersal of spilled material and runoff to the environment. Avoid contact with soil and waterways.
- Methods and materials for containment: Sweep, scoop or vacuum into a container.
- Cleanup procedures: Ventilate the area. Sweep, scoop or vacuum into a container. Not a hazardous waste. Thoroughly collect spilled material and dispose of in trash.



7. HANDLING AND STORAGE

Handling: Transport in original container in accordance with good industrial hygiene and safety practice. Use PPE in accordance with Section 8 of this SDS while handling. It is generally recommended to avoid inhalation and contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, keep tightly closed when not in use.

Storage: Store protected from direct sunlight and away from other chemicals in a dry, cool, well-ventilated area, away from incompatible materials. Keep away from food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Other Precautions: None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	OSHA Permissible Exposure Limits (PELs)	American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs)	NIOSH Recommended Exposure Limits (RELs)
Sodium Bicarbonate	Total dust 15 mg/m ³ (8-hour TWA) (5 mg/m ³ respirable fraction) as Particulate Not Otherwise Regulated (PNOR)	Not established	Not established

Engineering Controls: Normal building ventilation.

Eye/Face Protection: Safety glasses or goggles. Contact lenses should not be worn when working with this material. Maintain eye wash station in area.

Skin Protection: Not required under normal use conditions. Wear suitable clothing to prevent repeated or prolonged skin contact under non-standard use conditions.

Respiratory Protection: Not normally required.

General Hygiene Considerations: Wash hands thoroughly after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Property	Value
Appearance:	White powder	Initial Boiling Point (°F):	Not established
Odor:	Odorless	Boiling Range (°F):	Not established
Odor Threshold:	Not established	Melting point:	50 °C
Molecular Weight:	84.01	Specific gravity (g/cc):	2.20
Physical State:	Powder	Viscosity (cps):	Not established
pH:	Not applicable	Flash Point:	Not combustible
Vapor Pressure (mm Hg):	Not established	Decomposition Temperature:	Not established
Solubility in Water (25 °C):	Completely	Flammability:	Not flammable
Volatiles, Percent by volume:	Not established	Upper/Lower Flammability Limits:	Not established
Vapor Density (air = 1):	Not established	Auto-ignition Temperature:	Not established
Evaporation Rate:	Not established	Octanol/water partition coefficient:	Not established



10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
 Reactivity: Not reactive under normal conditions.
 Conditions to Avoid: Contact with acids. Reacts with acid to form salts, water and carbon dioxide gas.
 Materials to Avoid: Strong oxidants.
 Hazardous Decomposition Products: Carbon dioxide gas and sodium carbonate (soda ash).
 Hazardous Polymerization: Will not occur.
 Hazardous reaction conditions: None known.

11. TOXICOLOGICAL INFORMATION

Potential Exposure Routes: Skin, eyes, inhalation, ingestion.

ACUTE ANIMAL TOXICITY DATA:

Chemical Substance	Oral LD50 (mg/kg)	Dermal LD50 (mg/kg)	Inhalation LC50 (4-hour)
Sodium Bicarbonate	4220 in rat	None Established	None Established

Skin Corrosion/Irritation: Although not classified as hazardous, exposure may cause slight skin irritation under non-standard use conditions.
 Serious Eye Damage/Irritation: Although not classified as hazardous, exposure may cause mild irritation to the eyes under non-normal use conditions.
 Respiratory or Skin Sensitization: Not classified
 Germ Cell Mutagenicity: Not classified
 Carcinogenicity: Not classified
 Reproductive, Teratogenicity, or Developmental Effects: Not classified
 STOT- Single Exposure: Not classified
 STOT- Repeated Exposure: Not classified
 Aspiration Hazard: Not classified
 Neurological Effects: None known
 Interactions with Other Chemicals Which Enhance Toxicity: None known

12. ECOLOGICAL INFORMATION

Not mandatory

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with Federal, State and/or local rules / regulations.

14. TRANSPORT INFORMATION

U.S. DOT Classification: NOT Regulated

15. REGULATORY INFORMATION

Not mandatory

16. OTHER INFORMATION

Company Contacts	Fred Christadore or Larry Park
Telephone:	1-800-662-1237, Extension 101-2580
CHEMTREC:	1-800-424-9300 (Transportation Incidents)

The data included herein are presented according to Fresenius Medical Care North America practices current at the time of preparation hereof, are made available solely for the consideration, investigation and verification of the original recipients hereof and do not constitute a representation or warranty for which Fresenius Medical Care North America assumes responsibility. It is the responsibility of a recipient of this data to remain currently informed on chemical hazard information, to design and update its own safety program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right to know and environmental protection.

REVISIONS: This SDS was prepared on June 16, 2015 (DRAFT) to conform to 29 CFR Parts 1910.1200(g), 1915, and 1926, known as HazCom 2012.

PREPARED BY: Fresenius Medical Care

NOTICE: This product does not legally require and SDS. The data included herein are presented according to Fresenius Medical Care North America practices current at the time of preparation hereof, are made available solely for the consideration, investigation and verification of the original recipients hereof and do not constitute a representation or warranty for which Fresenius Medical Care North America assumes responsibility. It is the responsibility of a recipient of this data to remain currently informed on chemical hazard information, to design and update its own safety program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right to know and environmental protection.

Preparation Date: June 16, 2015 Supersedes: October 20, 2010
