

SECTION I Chemical Product and Company Identification
Bicarbonate Powder Mix

Manufacturer: Rockwell Medical Technologies, Inc.
28025 Oakland Oaks Court
Wixom Michigan 48393

Information Phone # (248) 449-3353
Hours Mon. to Fri. (0830 - 1630)

Product Name: Bicarbonate Powder Mix

Formula: NaHCO_3

Formula Weight: 84.02

Catalogue Numbers: CB-02, CB-15, CB-25, CB-50, FB-02, FB-15, FB-25, FB-50,

Chemical Name, other Name: Sodium bicarbonate, carbonic acid monosodium salt, baking soda, bicarbonate of soda, sodium acid carbonate, sodium hydrogen carbonate: carbonic acid, mono-sodium salt

SECTION II Composition/Information on Ingredients

Chemical Name	CAS. NO.	Percent
sodium bicarbonate	144-55-8	100
OSHA Non-Hazardous (NH)		

SECTION III Hazards Identification

EMERGENCY OVERVIEW

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES.

White crystalline powder, No odor. Not a fire hazard. No significant health or environmental effects associated with this material.

HMIS Rating	
Health	0
Fire	0
Reactivity	0

Potential Health Hazards (Acute & Chronic)

EXPOSURE LIMITS: (none established for this product)

CARCINOGENICITY: This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as a probable human carcinogen.

ROUTES OF ENTRY: Inhalation, Ingestion, skin

Swallowing: Mildly toxic by ingestion. May cause nausea, vomiting and abdominal pains. Doses over 5 g/kg body weight can cause alkalosis and expansion in extracellular fluid volume with edema.

SKIN ABSORPTION: Application of large amounts to the skin may cause alkalosis.

Inhalation: May cause cough and mild respiratory irritation.

Skin contact: May cause mild skin irritation.

EYE CONTACT: Causes mild eye irritation.

EFFECTS OF REPEATED OVEREXPOSURE: Repeated exposure may lead to contact dermatitis. Prolonged contact with dusts may cause conjunctivitis.

Hazards Identification Continued:

EXISTING MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: Skin irritation may be aggravated in persons with existing skin lesions. Breathing of dust may aggravate acute or chronic asthma and other chronic pulmonary disease.

SECTION IV First Aid Measures

EYE: In case of eye contact, flush with plenty of water for at least 15 minutes while holding the eyelids open. Have eyes examined by medical personnel.

SKIN: In case of skin contact, wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: If swallowed, do not induce vomiting. Give victim a glass of water or milk. Call a physician immediately. Never give anything by mouth to an unconscious person.

INHALATION: If inhaled, remove to fresh air.

SECTION V Fire Fighting Measures

FLAMMABLE PROPERTIES

FLASHPOINT: Not Combustible

FIRE-FIGHTING INSTRUCTIONS: Carbon Dioxide may be generated making necessary the use of a self contained breathing apparatus (SCBA) and full protective equipment. Carbon Dioxide is an asphyxiant at levels over 5% w/w. Sodium oxide, another thermal decomposition product existing at temperatures above 1564 degrees F is a respiratory, eye, and skin irritant. Avoid inhalation, eye and skin contact with sodium oxide dusts.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

SECTION VI Accidental Release Measures

IN CASE OF SPILLS: Scoop up into dry, clean containers. Avoid dust generation. Place in appropriate containers for disposal. Flush area with water. Wear appropriate protective clothing and equipment during clean up. Dispose of in accordance with Local, State and Federal regulations.

SECTION VII Personal Protection

RESPIRATORY PROTECTION: Dust mask required if total dust level exceeds 10 mg/m³

PROTECTIVE GLOVES: Gloves when handling dry or working with solutions.

EYE PROTECTION: Safety glasses when handling bulk material or when dusts are generated.

SECTION VIII Physical & Chemical Properties

APPEARANCE: White crystalline powder

pH (1% Soln. W/V): 8.5

MELTING POINT: Not applicable—Decomposes

MOLECULAR WEIGHT: 84.02 g

Section IX Reactivity

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: Protect from moisture. Keep away from heat.

Materials to Avoid: Reacts with weak acids, forming salt, water and carbon dioxide gas and releasing heat.

HAZARDOUS DECOMPOSITION PRODUCTS: When temperature is raised to 190 degrees F or higher, carbon dioxide gas will be released to the atmosphere. The resulting dust may be irritating to the eyes, skin and respiratory tract.

HAZARDOUS POLYMERIZATION: Not applicable.

Section X Regulatory Status

TRANSPORTATION STATUS: Not regulated

D.O.T. HAZARD CLASS: None

OSHA: Not hazardous under 29 CFR 1910.1200

SARA TITLE III:

Section 302 Extremely Hazardous Substance List: Not Listed

Section 313 Toxic Chemical: Not Listed.

RCRA: Not a hazardous material by listing or characteristic

Preparation Date: April 9, 1996. Revised: November 10, 2000

The information herein is given in good faith but no warranty, expressed or implied, is made.
