

# MATERIAL SAFETY DATA SHEET

**SECTION I NAME**  
**Product** BAKING POWDER, LABORATORY GRADE  
**Chemical Synonyms** Essentially, Sodium Bicarbonate  
**Formula** Essentially NaHCO3  
**Unit(s) Size** 100 grams to 2.5 kg.  
**C.A.S. No.** None listed.

**SECTION II HAZARDOUS INGREDIENTS OF MIXTURES**  
 Principal Hazardous Component(s)  
 Non-Hazardous Mixture.  
 The components include sodium bicarbonate, calcium phosphate, and cornstarch. Some types contain tartaric acid; potassium bitartrate (cream of tartar); and aluminum sodium sulfate.

**SECTION III PHYSICAL DATA**  
**Melting Point (°F)** Approx. 270°C (518°F).  
**Boiling Point (°F)** Not applicable.  
**Vapor Pressure (mm Hg)** Negligible as solid.  
**Vapor Density (Air = 1)** Unknown.  
**Solubility in Water** Appreciable (approx. 10 grams per 100 mL water at 25°C).  
**Appearance and Odor** White powder; no odor.

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**  
**Flash Point (Method Used)** Nonflammable solid.  
**Extinguisher Media** Use any media suitable for extinguishing supporting fire.

**SPECIAL FIREFIGHTING PROCEDURES**  
 None required.  
 Inherent fire extinguisher.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**  
 No known hazards.

**HAZARD RATING**

HEALTH	1
FIRE	0
REACTIVITY	0

CHEMTREC  
 800-424-9300  
 Day 716-226-6177  
 Night 716-334-4222

NEPA HAZARD RATING

LEAST	0	1	2	3	4	EXTREME
SLIGHT						
MODERATE						

TLV Units

# SECTION V HEALTH HAZARD DATA

**Threshold Limited Value**  
 None established.

**Effects of Overexposure**  
 Inhalation: Low hazard for usual laboratory handling. EYES: No specific hazard known. Contact may cause transient irritation.

**Emergency and First Aid Procedures**  
 In case of contact with skin or eyes, flush thoroughly with water. For eyes, if irritation persists get medical attention.

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# SECTION VI REACTIVITY DATA

**Stability**  
 Unstable  Stable

**Conditions to Avoid**  
 High temperature exposure causes decomposition to sodium carbonate, water and carbon dioxide.

**Incompatibility (Materials to avoid)**  
 Reacts with acid and acid fumes.

**Hazardous Decomposition Products**  
 Carbon dioxide and possibly carbon monoxide.

**Hazardous Polymerization**  
 Will Not Occur

**Conditions to Avoid**

# SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled  
 Scoop up and place in a suitable container.

# Waste Disposal Method

Discharge, treatment, or disposal may be subject to federal, state, or local laws.  
 Dissolve in water and flush to sewer with large amounts of water.

# SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection**  
 (Specify type) \_\_\_\_\_ Good ventilation should be sufficient.

**Ventilation**  
 Local Exhaust \_\_\_\_\_ Recommended \_\_\_\_\_  
 Mechanical (General) \_\_\_\_\_ Recommended \_\_\_\_\_  
 Special No. \_\_\_\_\_ Other No. \_\_\_\_\_

**Protective Gloves**  
 Rubber, if sensitive to irritation. Eye Protection \_\_\_\_\_  
 Other Protective Equipment \_\_\_\_\_ Goggles, lab coat, eye wash station, proper gloves.

**Chemical safety glasses.**

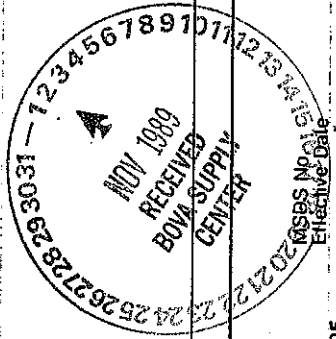
# SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling and Storing**  
 Store in a cool, dry place, away from acid and acid fumes. Wash thoroughly after handling. Keep container tightly closed when not in use.

**Other Precautions**  
 Read label on container before using.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.  
 Rev. No. 11/2/87 Date 11/2/87 Approved Wendy R. ... Chemical Safety Coordinator 93

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