

## 1. IDENTIFICATION

### 1.1 Product Identifiers

Product Name: Sodium Bicarbonate  
Alternative names: Sodium bicarbonate, Leavening agent, Baking soda.  
Product Number: 142-2EA, SGI-B031(xx), NAC-D0201(xx), TX-B001(xx), SS-1B34(xx), SMS-B023(xx).

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For laboratory and educational use only

### 1.3 Details of the supplier of the safety data sheet

Company: LAB-AIDS®, Inc, 17 Colt Ct., Ronkonkoma, NY 11779, USA  
Telephone: +1 800 381 8003.  
Fax: +1 631 820 8268

1.4 Emergency telephone number: Emergency number: CHEMTREC +1 800 424-9300; +1 703 527-3887

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### GHS classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)  
This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### 2.2 Label elements, including precautionary statements

Signal word: Not classified Pictogram: Not classified  
Hazards statements: Not classified  
Precautionary statements: Not classified

### 2.3 Hazards not otherwise classified: None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substance: Powder

### 3.2 Mixture: N/A

Chemical Name	Product identifier	%	GHS-US classification
Sodium bicarbonate	CAS#144-55-8	100%	Not classified

### 3.3 Chemicals where a trade secret is claimed: None

## 4. FIRST AID MEASURE

### 4.1 Description of the first aid measure:

**INGESTION:** Never give anything by mouth to unconscious person. Rinse mouth and get conscious person drink a glass of milk or water. Do NOT induce vomiting unless directed to do so by medical personnel. Get medical attention if necessary.

**INHALATION:** Remove to fresh air. Get medical attention if necessary.

**EYE CONTACT:** Wash immediately with plenty of water, and continue washing for at least 15min., occasionally lifting upper and lower eyelids. Seek medical attention if necessary.

**SKIN CONTACT:** Flush thoroughly with mild soap and water. Remove contaminated clothing.

### 4.2 Most important symptoms and effects, both acute and delayed: Refer to section 11.

### 4.3 Indication of any immediate medical attention and special treatment needed: No additional information available.

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media:

Suitable extinguishing media: Use TriClass, dry chemical extinguisher for surrounding fires.

### 5.2 Special hazard arising from the substance or mixture: Not available.

### 5.3 Advice for firefighters: Use self-contained breathing apparatus and protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions: Wear laboratory grade gloves, eye protection and a lab coat.

### 6.2 Emergency procedures: Restrict unprotected personnel from the area.

### 6.3 Methods and material used for containment and cleanup procedure: Sweep up or vacuum and place for disposal. Avoid formation of dust. Wash spill area with soap and water.

## 7. HANDLING AND STORAGE

**7.1 Precaution for safe handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Use only under adult supervision. Avoid breathing dust. Use with adequate ventilation. Wash hands thoroughly after handling.

**7.2 Storage:** Keep container in cool, well-ventilated area.

**7.3 incompatibility:** Refer to section 10.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters: ACGIH:** Not classified

**8.2 Exposure controls:** Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron. Use ventilation to keep airborne concentrations below exposure limits.

**Respiratory protection:** Non should be needed if normal laboratory handling at room temperature.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Solid.

**Appearance:** White powder.

**Odor:** Not available

**pH:** Not available

**Vapor Pressure ( mm Hg):** Not available

**Vapor Density:** Not available

**Evaporation Rate:** Not available

**Viscosity:** N/A

**Flash point:** N/A

**Autoignition:** N/A

**Boiling point:** N/A

**Melting point:** N/A

**Freezing point:** N/A

**Decomposition temp:** loses carbon dioxide at 270°C

**Solubility:** Soluble in water, insoluble in alcohol.

**Specific gravity (H<sub>2</sub>O = 1):** 2.2g/cc

**Percent volatile (%):** N/A

**Molecular formula:** NaHCO<sub>3</sub>

**Molecular weight:** 84.01

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** Heat, moisture and incompatibles.

**Incompatibilities:** Reacts with acids to release carbon dioxide gas and heat.

**Hazardous decomposition:** Gaseous carbon dioxide.

**Hazardous polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute effects:** Eyes: May cause eye irritation. Skin: May cause skin irritation. Inhalation: May cause irritation to the respiratory tract. Ingestion: Overexposure may lead to abdominal pain, thirst, and inflammation of the digestive tract.

### Toxicological data

Acute oral toxicity ORAL LD<sub>50</sub>: >5000 mg/kg [Rat]

Acute vapor toxicity IHL-LC<sub>50</sub>: > 4.74 mg/L [Rat] 4.5h

DERMAL LD<sub>50</sub>: Not available

### Carcinogenicity:

California prop 65: Not classified

## 12. ECOLOGICAL INFORMATION

Does not bioaccumulate. Dissociates into ions. 48h LC<sub>50</sub>: >2000mg/L Daphnia magna, 96h LC<sub>50</sub>: >2000mg/L Rainbow Trout.

## 13. DISPOSAL CONSIDERATION

Disposal of in accordance with all local, state, and federal regulations, or contact a licensed chemical disposal agency.

## 14. TRANSPORT INFORMATION

**UN number:** N/A

**Shipping name:** N/A

**Hazard Class:** N/A

**Packing group:** N/A

**Exceptions:** Ltd Qty. N/A

## 15. REGULATORY INFORMATION

TSCA-listed, EINECS-listed (205-633-8)

## 16. OTHER INFORMATION

### Disclaimer:

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