



## MATERIAL SAFETY DATA SHEET

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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- **Product name:** **SODIUM BICARBONATE**
- **Manufacturer:** Deep South Chemical, Inc.  
229 Millstone Road  
Broussard, LA 70518 (337) 837-9931
- **For Emergency : Call CHEMTREC 1-800-424-9300**  
Outside the U.S.A. (703)-527-3887
- **Chemical Family:** Baking Soda
- **Contact Person:** Glenn Ray
- **Formula:** NaHCO<sub>3</sub>
- **MSDS Revised:** January 1, 2014

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

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Hazardous components	CAS Number	%	PEL(OSHA)		TLV(ACGIH)		IDLH
			TWA	STEL	TWA	STEL	
Sodium Bicarbonate	144-55-8	100	N/E	N/E	N/E	N/E	N/E

### SECTION 3. HAZARDS IDENTIFICATION, INCLUDING EMERGENCY OVERVIEW

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#### Effects of overexposure

**Inhalation:** This product may cause irritation to nose, throat, and respiratory tract

**Skin Contact:** This product may cause irritation to the skin.

**Eye Contact:** Irritation to eyes.

**Ingestion:** There may be irritation of the mouth, throat, and digestive tract.

### SECTION 4. FIRST AID MEASURES

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**Eyes:** Move victim away from exposure and into fresh air. If irritation persists, seek medical attention. For direct exposure, flush with clean water for 15 minutes. Hold eyelids apart to ensure flushing of the entire eye surface.

**Inhalation:** Move victim away from source of exposure and into fresh air. If irritation persists, seek medical attention. If victim is not breathing, artificial respiration should be administered.

**Skin:** Remove contaminated clothes. Cleanse affected area thoroughly with soap and water. If irritation persists, seek medical attention. Wash contaminated clothing.

**Ingestion:** Give plenty water. Seek medical attention.

### SECTION 5. FIRE FIGHTING MEASURES

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#### Fire fighting measures

**Extinguishing Media:** Non-combustible material. Use extinguishing media appropriate for surrounding fire.

**Decomposition/Combustion Products:** Starts to give off carbon dioxide gas at 122°F. At 212°F, the sodium bicarbonate converts to sodium carbonate.

#### Explosive Properties:

LEL: N/D

UEL: N/D

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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**Steps to be taken if material is released or spilled:** Use proper personal protective equipment. Stay upwind from spill. For small dry spills, carefully scoop material into suitable containers for later disposal. Vacuuming (with appropriate filter) or wet mopping may minimize dust dispersion. For small solution spills, take up with earth, sand, vermiculite, or other absorbent, noncombustible material. For large spills, dike far ahead of liquid spills for later disposal.

**Waste disposal method:** Dispose of according to local, state and federal regulations in an approved disposal facility or recycling facility.

## **SECTION 7. HANDLING AND STORAGE**

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**Storage:** Store in a well-ventilated area. Keep container tightly closed when not in use. Store in cool, dry area.

**Handling:** Use proper personal protective equipment. Avoid contact with skin or eyes. Handle in well-ventilated workspace. When handling do not eat, drink, or smoke.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Ventilation:** Keep work area well ventilated.

**Protective clothing:** Impermeable gloves and impervious clothing as appropriate.

**Eye protection:** Chemical goggles where splashing may occur.

**Respiratory Protection:** Use appropriate respiratory protection when handling or in case of insufficient ventilation.

**Special Protection:** Safety shower, eye bath, and washing facilities should be available.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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**Specific gravity @ 68°F(H<sub>2</sub>O = 1):** 2.159

**Flash Point (PMCC Method)(°F):** N/A

**Vapor density (Air = 1):** N/A

**Solubility:** 8.6g/100ml of water

**Vapor pressure @ 68°F:** N/A

**Evaporation Rate:** N/A

**Appearance:** White crystalline powder

**Odor:** None

**Boiling Point (°F):** N/A

**Melting Point (°F):** N/A

**Viscosity:** N/A

**pH:** 8.2 (1% solution)

**Auto-ignition:** N/A

## **SECTION 10. STABILITY AND REACTIVITY**

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**Stability and Reactivity:** Stable in normal conditions.

**Incompatible Materials:** Reacts with acids to yield carbon dioxide.

**Hazardous Decomposition Products:** Heating above 212°F may cause dangerous levels of carbon dioxide gas to be present in confined spaces. Yields sodium oxide if exposed to temperatures above 1562°F. Avoid inhalation, eye and skin contact with sodium oxide.

**Hazardous Polymerization:** None described.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

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**Eye Effects:** The material was minimally irritating to unwashed eyes and practically non-irritating to washed eyes (rabbits).

**Skin Effects:** Not a skin irritant or dermally toxic. Not a contact sensitizer.

**Acute Oral Effects:** Acute Oral-rat LD<sub>50</sub>=7.3g/kg

**Acute Inhalation:** LC<sub>50</sub>>4.74mg/L



**SECTION 12. ECOLOGICAL INFORMATION**

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**Aquatic Toxicity:**

Daphnids: EC<sub>50</sub>=4100mg/L  
Bluegill: LC<sub>50</sub>=7100mg/L  
Rainbow Trout: LC<sub>50</sub>=7700mg/L

**Persistence:** This product is not expected to persist in the environment.

**Bioaccumulation:** This product is not expected to bioaccumulate.

**SECTION 13. DISPOSAL CONSIDERATIONS**

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**Disposal:** If spilled, dispose according to local, state, and federal regulations. Recycle waste containers and clean out residues.

**SECTION 14. TRANSPORT INFORMATION**

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**DOT Transport Information:** Non-Regulated

**HTS Number:** 2836.30.00

**SECTION 15. REGULATORY INFORMATION**

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**Toxic Substances Control Act (TCSA):** All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

**CERCLA RQ-40 CFR 302.4(a)**

Component

CERCLA RQ(lbs.)

None

**SARA 302 Components-40 CFR 355 Appendix A**

None

**Section 311/312 Hazard Class-40 CFR 370.2**

**Immediate (X)**

**Delayed ( )**

**Fire ( )**

**Reactive ( )**

**Sudden Release of Pressure ( )**

**SARA 313-40 CFR 372.65**

Component

CAS Number

%

None

**SECTION 16. OTHER INFORMATION**

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**NFPA RATING: Health (0) Fire (0) Reactivity (0)**

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N/D= No data; N/A = Not available; N/E= Not established