



Safety Data Sheet

Sodium Bicarbonate

SECTION 1: Identification

1.1 Product identifier

Product name	Sodium Bicarbonate
Brand	Unavailable
Substance name	SODIUM BICARBONATE
CAS no.	144-55-8

1.2 Other means of identification

Unavailable

1.3 Recommended use of the chemical and restrictions on use

This chemical is used in the manufacture of effervescent salts and beverages, artificial mineral water, baking powder, other sodium salts, pharmaceuticals, sponge rubber and gold and platinum plating. It is used in treating wool and silk, in fire extinguishers, in the prevention of timber mold, in cleaning preparations, as a lab reagent, as an antacid and as a mouthwash. It is a source of carbon dioxide. It is also used as a systemic and urinary alkalyzer for human and veterinary purposes. In veterinary medicine, it is also used locally for burns and erythema, and to dissolve mucus, exudates and scabs. It is used to soften and remove ear wax, as an eye lotion, to clean contact lenses, as a vaginal douche and to treat metabolic acidosis caused by cardiac arrest.

1.4 Supplier's details

Name	Duda Energy LLC
Address	1112 Brooks St. Decatur, AL 35601 USA
Telephone	256.340.4866
Fax	Unavailable
email	Unavailable

1.5 Emergency phone number(s)

800.255.3924

SECTION 2: Hazard identification

General hazard statement

Unavailable

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

None

Statement regarding ingredients of unknown toxicity

Unavailable

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name	SODIUM BICARBONATE
CAS no.	144-55-8
Formula	CHO ₃ .Na
Molecular weight	84.01
Other names / synonyms	BAKING SODA
Impurities and stabilizing additives	Unavailable

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Wear general PPE to prevent unwanted exposure.
If inhaled	Move to fresh air. If signs/symptoms develop/continue, call a physician.
In case of skin contact	Wash thoroughly with soap and water. If irritation develops or persists, call a physician.
In case of eye contact	Flush eyes thoroughly with water. If irritation develops/persists, call a physician.
If swallowed	Where victim is conscious and able, administer one to two glasses of water to dilute and call poison control center or an hospital immediately. If victim is not conscious, do NOT administer anything by mouth. DO NOT INDUCE VOMITING.

Personal protective equipment for first-aid responders
Unavailable

4.2 Most important symptoms/effects, acute and delayed
None other than listed.

4.3 Indication of immediate medical attention and special treatment needed, if necessary
Unavailable

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Use water spray, alcohol resistant foam, dry chemical, or carbon dioxide.

5.2 Specific hazards arising from the chemical
Carbon oxides, Sodium oxides

5.3 Special protective actions for fire-fighters
Wear SCBA when needed.

Further information
None.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
This product requires no specific PPE or procedures. Handle with care. Avoid creating dust clouds/inhalation of dust (mild irritant).

6.2 Environmental precautions
None required.

6.3 Methods and materials for containment and cleaning up
Keep stored in tightly sealed containers. Clean up spilled material with broom and dust-pan. Wash area with soap and water if needed.

Reference to other sections
None.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Use good ventilation when handling to prevent clouding of dust.

7.2 Conditions for safe storage, including any incompatibilities
Store in tightly closed container in dry places.

Specific end use(s)
None other than listed in Section 1.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

General safe handling and good hygiene practices.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Use appropriate safety glasses/goggles.

Skin protection

Wear Nitrile gloves when handling.

Body protection

None

Respiratory protection

Should not require use of a respirator.

Thermal hazards

None

Environmental exposure controls

None needed.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Solid
Odor	Unavailable
Odor threshold	Unavailable
pH	8.3 (1% solution) @ 25 °C
Melting point/freezing point	Unavailable
Initial boiling point and boiling range	Not applicable
Flash point	Unavailable
Evaporation rate	Unavailable
Flammability (solid, gas)	
Upper/lower flammability limits	Unavailable
Vapor pressure	Unavailable
Vapor density	Unavailable
Relative density	2.159 [062,275]
Solubility(ies)	Water (96 g/l @ 20 °C)
Partition coefficient: n-octanol/water	Unavailable
Auto-ignition temperature	Unavailable
Decomposition temperature	Unavailable
Viscosity	Unavailable
Explosive properties	Unavailable
Oxidizing properties	Non-oxidizing

Other safety information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

Not reactive under normal conditions.

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

None under normal conditions.

10.4 Conditions to avoid

Heat, high humidity. Avoid contact with acids except under controlled conditions. Store away from strong odors (will absorb).

10.5 Incompatible materials

Acids

10.6 Hazardous decomposition products

Reacts to release carbon dioxide gas and heat.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

SODIUM BICARBONATE

LD50 Oral - Rat - 4220 mg/kg

Skin corrosion/irritation

Mild skin irritation possible.

Serious eye damage/irritation

Mild eye irritation possible.

Respiratory or skin sensitization

Unavailable

Germ cell mutagenicity

Unavailable

Carcinogenicity

Not considered a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity

Unavailable

Summary of evaluation of the CMR properties

Unavailable

STOT-single exposure

Unavailable

STOT-repeated exposure

Unavailable

Aspiration hazard

Unavailable

Additional information

Exposure to large quantities may cause gastrointestinal disturbance, while heavy or prolonged skin exposure may result in the absorption of harmful quantities. To the best of our knowledge: the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information**Toxicity**

Unavailable

Persistence and degradability

Unavailable

Bioaccumulative potential

Unavailable

Mobility in soil

Unavailable

Results of PBT and vPvB assessment

N/A

Other adverse effects

Unavailable

SECTION 13: Disposal considerations**Disposal of the product**

No disposal restrictions apply.

Disposal of contaminated packaging

Treat as product.

Waste treatment

N/A

Sewage disposal

N/A

Other disposal recommendations

None

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

California Prop. 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

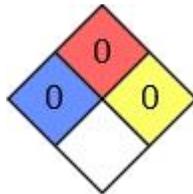
United States Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

15.2 Chemical Safety Assessment

None

NFPA Rating



SECTION 16: Other information

Unavailable

16.1 Further information/disclaimer

The information provided in this Safety Data Sheet is correct to the best of Duda Energy LLC's knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This Safety Data Sheet only contains information relating to safety and does not replace any product information or product specification. Please note, the content may be changed, corrected, or deleted at any time without notice and may not always necessarily reflect the most current data. Duda Energy LLC will assume

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16.2 Preparation information

Version: 2

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