



SAFETY DATA SHEET
S-Carb® Feed Additive

SDS # : 533-96-0-2
Revision date: 2017-09-26
Format: NA
Version 1.07

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name S-Carb® Feed Additive

Other means of identification

Product Code(s) 533-96-0-2

Synonyms Sodium Sesquicarbonate; Trisodium Hydrogencarbonate dihydrate, Sesqui

Recommended use of the chemical and restrictions on use

Recommended Use: Ruminant Feed Buffer and Sodium Source for Livestock

Restrictions on Use: See section 16 for more information

Manufacturer Address

Genesis Alkali Wyoming, LP
1735 Market Street
Philadelphia, PA 19103
Tel: +1 877-362-2248 or +1 215-845-4500
www.alkali.genesisenergy.com
Made in the U.S.A.

Emergency telephone number

1 307 / 872 2452 (Plant - Green River, WY)
(303) 595-9048 (Medical - U.S. - Call Collect)

For leak, fire, spill or accident emergencies, call:
1 800 / 424 9300 (CHEMTREC - U.S.A.)
1 703 / 527 3887 (CHEMTREC - Collect - All Other Countries)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation

Category 2

GHS Label elements, including precautionary statements

EMERGENCY OVERVIEW

Warning

Hazard Statements

H319 - Causes serious eye irritation



Precautionary Statements - Prevention

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear eye protection/ face protection

Precautionary Statements - Response

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/ attention

Hazards not otherwise classified (HNOC)

No hazards not otherwise classified were identified.

Other Information

May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula $\text{NaHCO}_3 \cdot \text{Na}_2\text{CO}_3$

Chemical name	CAS-No	Weight %
Sodium Sesquicarbonate	533-96-0	100

Synonyms are provided in Section 1.

4. FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Skin Contact	Wash skin with soap and water. Get medical attention if irritation develops and persists.
Inhalation	Remove person to fresh air. If signs/symptoms continue, get medical attention.
Ingestion	Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
Most important symptoms and effects, both acute and delayed	None known.

Indication of immediate medical attention and special treatment needed, if necessary Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific Hazards Arising from the Chemical None in particular

Hazardous Combustion Products Fumes of sodium oxide.

Explosion data

Sensitivity to Mechanical Impact Not sensitive.

Sensitivity to Static Discharge Not sensitive.

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Sweep up to prevent slipping hazard. For personal protection see section 8.

Other For further clean-up instructions, call Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

Environmental Precautions Keep material out of lakes, streams, ponds, and sewer drains. See Section 12 for additional Ecological Information.

Methods for Containment Vacuum or shovel waste into a drum and label contents for disposal. Avoid dust formation.

Methods for cleaning up Pick up and transfer to properly labeled containers. Keep in suitable and closed containers for disposal. Dispose of waste as indicated in Section 13.

7. HANDLING AND STORAGE

Handling Keep away from incompatible products (acids). Provide appropriate exhaust ventilation at places where dust is formed. Reference to other sections.

Storage Keep in a dry, cool and well-ventilated place. Keep away from heat and strong Odor. Keep away from incompatible products (acids).

Incompatible products Except under controlled conditions: Acids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies Local nuisance dust standards apply

Appropriate engineering controls

Engineering measures Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side-shields.

Skin and Body Protection	Wear suitable protective clothing. Protective shoes or boots.
Hand Protection	Protective gloves
Respiratory Protection	In case of inadequate ventilation wear respiratory protection.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
General information	If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	White, odorless, needle-shaped particles
Physical State	Solid
Color	White to off white
Odor	odorless
Odor threshold	Not applicable
pH	9.9 (1% solution)
Melting point/freezing point	Decomposes on heating
Boiling Point/Range	No information available
Flash point	Not applicable
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	No information available
Vapor density	No information available
Density	No information available
Specific gravity	2.12
Water solubility	17.1 % @ 25 °C
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	Decomposes on heating
Viscosity, kinematic	No information available
Viscosity, dynamic	No information available
Explosive properties	No information available
Oxidizing properties	Non-oxidizing
Molecular weight	No information available
Bulk density	0.74 g/cm ³
K_{st}	0 bar m/s

10. STABILITY AND REACTIVITY

Reactivity	None under normal use conditions.
Chemical Stability	Stable.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	Avoid contact with acids, Heat, Humid air, strong odor.
Incompatible materials	Except under controlled conditions: Acids.

Hazardous Decomposition Products Carbon dioxide (CO₂), Sodium oxides.

11. TOXICOLOGICAL INFORMATION

Product Information

LD50 Oral > 2000 mg/kg (rat)
LD50 Dermal No information available
LC50 Inhalation > 5.03 mg/L 4 hr (rat)

Eye Contact Irritating to eyes.
Skin Contact Non-irritating (rabbit)
Sensitization Non-sensitizing.

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity No known effect.
Mutagenicity Not mutagenic
Carcinogenicity Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).
Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration hazard No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Persistence and degradability Biodegradability does not pertain to inorganic substances.
Bioaccumulation Does not bioaccumulate
Mobility Dissociates into ions.
Other Adverse Effects None known.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261). Dispose of in accordance with local regulations.
Contaminated Packaging Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT NOT REGULATED

15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

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SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

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

International Inventories

Component	TSCA (United States)	DSL (Canada)	EINECS/ELI NCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Sodium Sesquicarbonate 533-96-0 (100)	X	X	X	X	X	X	X	X

WHMIS Hazard Class

D2B - Toxic materials, Eye irritation



D2B - Toxic

16. OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 0	Instability 0	Special Hazards -
HMIS	Health Hazards 2	Flammability 0	Physical hazard 0	Personal Protection X

NFPA/HMIS Ratings Legend Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0

Product Certifications

This product meets the chemical testing specifications defined in the Food Chemicals Codex (FCC), 9th Edition.

This product is certified to NSF/ANSI Standard 60 for use in drinking water treatment at the specified maximum use limit. The MUL (maximum use level) for sodium sesquicarbonate is 100 mg/L under NSF/ANSI Standard 60.



Revision date: 2017-09-26
Revision note: Update to new company name

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End of Safety Data Sheet