

Material Safety Data Sheet
S-Carb® Feed Additive

MSDS #: 533-96-0-2
Revision Date: 2013-10-28
Version 1.01



This MSDS has been prepared to meet U.S. OSHA Hazard Communication Standard 29 CFR 1910.1200
And Canadian Workplace Hazardous Materials Information System (WHMIS) requirements.

1. PRODUCT AND COMPANY IDENTIFICATION

Product name S-Carb® Feed Additive

Synonyms Sodium Sesquicarbonate; Trisodium Hydrogencarbonate, Sesqui

Recommended use: Ruminant Feed Buffer and Sodium Source for Livestock

Manufacturer FMC Wyoming Corporation
Alkali Chemicals Division
1735 Market Street
Philadelphia, PA 19103
Tel: +1 215 / 299 6000
E-Mail: msdsinfo@fmc.com

Emergency telephone number 1 307 / 872 2452 (Plant - Green River, WY)
1 303 / 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

Emergency Overview

White, odorless, needle-shaped particles
Reacts with acids to release carbon dioxide and heat

Potential health effects

Acute Toxicity

Eyes May cause irritation.
Skin Prolonged or repeated contact may dry skin and cause irritation.
Inhalation May cause irritation of respiratory tract.

Chronic Toxicity

No known effect.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

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

4. FIRST AID MEASURES

Eye contact Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.

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	Rinse mouth with water and afterwards drink plenty of water or milk. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Flammable properties	Not combustible.
Flash Point	Not combustible
Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Hazardous combustion products	Fumes of sodium oxide.
Explosion Data	
Sensitivity to Mechanical Impact	Not sensitive.
Sensitivity to Static Discharge	Not sensitive.
Specific hazards arising from the chemical	None in particular.

NFPA	Health Hazard 1	Flammability 0	Stability 0	Special Hazards -
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6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Sweep up to prevent slipping hazard. For personal protection see section 8.
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). Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. Reference to other sections.
Storage	Store in original container. Keep in a dry place. Keep in properly labeled containers. Keep container tightly closed.

8. Exposure controls/personal protection

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

Occupational exposure controls

Engineering measures	Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Eye/face protection	Safety glasses with side-shields
Skin and body protection	Wear suitable protective clothing. Protective shoes or boots.
Hand protection	Protective gloves Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice Do not eat, drink or smoke when using this product. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	White, odorless, needle-shaped particles
Color	white to off white
Physical state	solid
Odor	odorless
Odor Threshold	Not applicable
pH	9.9 (1% solution)
Melting Point/Range	Decomposes on heating.
Freezing point	No information available
Boiling Point/Range	Not applicable
Flash Point	Not combustible
Evaporation rate	Not applicable
Flammable properties	Not combustible
Oxidizing properties	Non-oxidizing
Vapor pressure	No information available
Vapor density	Not applicable
Specific Gravity	2.12
Bulk density	0.74 g/cm ³
Water solubility	(% by weight) 12% maximum
Percent volatile	No information available
Partition coefficient:	Not applicable
Viscosity	No information available
Autoignition Temperature	135 °C Not combustible

10. STABILITY AND REACTIVITY

Stability	Stable.
Conditions to avoid	Avoid contact with acids
Materials to avoid	Acids
Hazardous decomposition products	Carbon dioxide (CO ₂).
Hazardous polymerization	Hazardous polymerization does not occur.
Hazardous reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Acute effects

Eye irritation	Non-irritating (rabbit)
Skin irritation	Non-irritating (rabbit)

LD50 Oral > 2800 mg/kg (Rat)
LD50 Dermal No information available
LC50 Inhalation: > 5.03 mg/L 4 hr (Rat)

Sensitization Non-sensitizing, guinea pig

Chronic Toxicity

Chronic Toxicity No known effect.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not expected to have significant environmental effects

Persistence and degradability Biodegradability does not pertain to inorganic substances.

Bioaccumulation Does not bioaccumulate.

Mobility Dissociates into ions.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated packaging Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT not regulated

TDG not regulated

ICAO/IATA not regulated

IMDG/IMO not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Inventory (United States of America) Complies
DSL (Canada) Complies
NDSL (Canada) Complies
EINECS/ELINCS (Europe) Complies
ENCS (Japan) Complies
IECSC (China) Complies
KECL (Korea) Complies
PICCS (Philippines) Complies
AICS (Australia) Complies

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NZIoC (New Zealand)

Complies

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.

SARA 311/312 Hazard Categories

Acute Health Hazard	no
Chronic Health Hazard	no
Fire Hazard	no
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

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.

International Regulations

Mexico - Grade

No information available

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

16. OTHER INFORMATION

HMIS	Health Hazard 1	Flammability 0	Stability 0	Special precautions -
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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), 8th 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.



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Reason for revision: (M)SDS sections updated. 16.

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End of Material Safety Data Sheet