



SAFETY DATA SHEET

SECTION 1 · COMPANY AND PRODUCT IDENTIFICATION

PRODUCT

Product Name: SODIUM BICARBONATE
Control Number: 0055
Product Description: Carbonate Salt

COMPANY IDENTIFICATION

Supplier: Silver Fern Chemical, Inc.
2226 Queen Anne Avenue North
Suite #C
Seattle WA 98109, USA

Business Contact

Customer Service: 1-866-282-3384
info@silverfernchemical.com

24 Hour Emergency Telephone: Infotrac 800-535-5053
Outside USA & Canada : 352-323-3500

SECTION 2 · HAZARDS IDENTIFICATION

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

Pictogram:

Signal Word:

Hazard statement: Not classified for hazard statements under GHS

Precautionary statement: Not classified for precautionary statements under GHS

SECTION 3 · COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%Weight
Sodium Bicarbonate	144-55-8	≤ 100

Contains no impurities or stabilizing additives which themselves are classified and which contribute to the classification of this product.

SECTION 4 · FIRST AID MEASURES

FIRST AID PROCEDURES:

Eyes: Flush eyes with water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues.

Skin: Wash with soap and water. If irritation persists, seek medical attention.

Inhalation: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing, seek medical attention.

Ingestion: If swallowed, rinse mouth out with water. Never give anything by mouth to an unconscious person.

See Section 11 for Signs and Symptoms of Exposure



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SECTION 5 · FIRE FIGHTING MEASURES

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

Hazardous combustion products: Oxides of carbon.

Fire Fighting Procedures: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Unusual Fire and Explosion Hazards: The product itself does not burn.

SECTION 6 · ACCIDENTAL RELEASE MEASURES

Spills: Use personal protective equipment. Avoid dust formation. Avoid breathing dust or aerosol. Ensure adequate ventilation. Evacuate personnel to safe areas. Large Spills: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7 · STORAGE AND HANDLING

Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Use good hygiene practices.

Storage: Store in a cool, dry, ventilated area, away from incompatible substances. Store only in approved properly labeled containers.

SECTION 8 · EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Provide explosion-proof ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below.

Exposure Limits: Sodium Bicarbonate Not listed by ACGIH or OSHA

Personal Protective Equipment (PPE):

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Skin: If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

Clothing: Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

Respirators: Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

SECTION 9 · PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: no data available

Autoignition Temperature: no data available

Boiling Point: no data available

Melting Point: 572 °F

Vapor Pressure: no data available

Vapor Density (Air-1): no data available

Odor/Appearance: Solid with no odor

Flammability Limits: no data available

Relative density: 2.16

Partition coefficient: No available data

Evaporation Rate (Water=1): no data available

pH: no data available

Solubility in Water: 50 g/l



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SECTION 10 · STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions.
Conditions to Avoid: Exposure to moisture and water.
Incompatible materials: Acids, Strong oxidizing agents
Possibility of Hazardous Reactions: Will not occur under normal use and temperature conditions.

SECTION 11 · TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:

Skin: May cause slight skin irritation.

Eyes: May cause eye irritation, that if untreated can be severe and permanent.

Inhalation: May cause slight respiratory irritation.

Ingestion: Ingestion may cause irritation and burns from the mouth to the stomach. Ingesting massive amounts may cause ulcerations, vomiting, and death from shock.

Acute oral toxicity:

LD50 Oral rat: 4,220 mg/kg

Acute inhalation toxicity:

LC50 Inhalation rat: > 4.74 mg/l 4.5h

Acute dermal toxicity:

No available data

Germ Cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive Toxicity: Not classified

STOT single exposure: Not classified

STOT repeated exposure: Not classified

SECTION 12 · ECOLOGICAL INFORMATION

Aquatic Toxicity: Toxicity to fish flow-through test LC50 - Lepomis macrochirus - 7,100 mg/l - 96 h

Persistence and degradability: The methods for determining biodegradability are not applicable to inorganic substances.

Bio-accumulative potential: No available data.

Mobility: Not considered to be mobile.

SECTION 13 · DISPOSAL CONSIDERATIONS

Chemical waste generators must determine at the time of disposal, whether a discarded chemical is classified as a hazardous waste. Chemical additions, processing or otherwise altering this material may make waste management information presented in this SDS incomplete, inaccurate or otherwise inappropriate. The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 · TRANSPORTATION

U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

Proper Shipping Name: Not a DOT controlled material

Hazard Class:

UN Number:

Packaging Group:



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SECTION 15 · REGULATORY INFORMATION

US FEDERAL REGULATIONS

Comprehensive Environmental Response and Liability Act (CERCLA) This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. The reportable quantity (RQ) for this material has not been established. If appropriate, immediately report to the National Response Center (800/424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies.

Toxic Substance Control Act (TSCA): All components of this product are on the Chemical Substance Inventory and designated as active in U.S. commerce.

SARA Section 311/312 (40 CFR 370) Hazard Categories:
No SARA Hazard

SARA Section 313 (40 CFR 372) Hazard Categories: 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.

Clean Water Act: This product contains no chemicals that are listed as Hazardous Substances under the CWA.

Clean Air Act: This product contains no chemicals that are listed as Hazardous Substances under the CAA.

California Prop 65: This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 · OTHER INFORMATION

SDS Revision Date: May 2020

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 0

Flammability: 0

Reactivity: 0

DISCLAIMER OF RESPONSIBILITY

The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.