

Sodium Sesquicarbonate Dihydrate: sc-296404



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Sodium Sesquicarbonate Dihydrate
Product Number: sc-296404
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

2. HAZARDS IDENTIFICATION

Emergency overview

May cause skin irritation and/or dermatitis

Principal routes of exposure

Skin

NFPA Rating:

Health: 1
Flammability: 1
Reactivity: 0

Potential health effects

Inhalation May cause irritation of respiratory tract
Ingestion May be harmful if swallowed.
Skin May cause allergic skin reaction
Eye Avoid contact with eyes

Statements of hazard

May cause allergic skin reaction.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula: $\text{Na}_2\text{CO}_3 \cdot \text{NaHCO}_3 \cdot 2\text{H}_2\text{O}$
Molecular weight: 226.03
CAS-No.: 6106-20-3

4. FIRST AID MEASURES

General advice

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

If inhaled

Move to fresh air. Call a physician immediately

In case of skin contact

Rinse immediately with plenty of water and seek medical advice

In case of eye contact

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice

If swallowed

Do not induce vomiting without medical advice.

Protection of first-aiders

No information available

Medical conditions aggravated by exposure

None known

5. FIREFIGHTING MEASURES

Suitable extinguishing media

Use dry chemical, CO₂, water spray or "alcohol" foam

Hazardous combustion products

Burning produces irritant fumes.

Special protective equipment for firefighters

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

Specific methods

Water mist may be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment.

Environmental precautions

Prevent product from entering drains

Methods and materials for containment and clean up (FOUND IN HAZARDS IDENTIFICATION: SPILL STATEMENT)

Eliminate all ignition sources. Absorb and/or contain spill with inert materials (e.g., sand, vermiculite). Then place in appropriate container. For large spills, use water spray to disperse vapors, flush spill area. Prevent runoff from entering waterways or sewers.

7. HANDLING AND STORAGE

Precautions for safe handling

Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment

Conditions for safe storage

Store in a cool dry place. Store away from incompatible materials. Store at room temperature.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering measures

Ensure adequate ventilation.

Personal protective equipment

Respiratory protection

Breathing apparatus only if aerosol or dust is formed

Hand protection

PVC or other plastic material gloves

Skin and body protection

Usual safety precautions while handling the product will provide adequate protection against this potential effect.

Eye protection

Safety glasses with side-shields.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	crystalline powder	Melting point/range	No data available
Boiling point/range	No data available	Density	No data available
Vapor pressure	No data available	Evaporation rate	No data available
Vapor density	No data available	Solubility (in water)	Slightly soluble
Flash point	Not determined	Autoignition temperature	Not determined

10. STABILITY AND REACTIVITY

Chemical reactivity

No hazardous polymerization under normal processing.

Chemical stability

Stable under recommended storage conditions

Materials to avoid

Strong oxidizing agents and spontaneously flammable products.

Conditions to avoid

Exposure to air or moisture over prolonged periods.

Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors such as carbon oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Selected LD50s and LC50s Not determined

Chronic toxicity

Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.

Local effects

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Specific effects

May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.

Primary irritation

No data is available on the product itself.

Carcinogenic effects

No data is available on the product itself.

Mutagenic effects

No data is available on the product itself.

Reproductive toxicity

No data is available on the product itself.

Additional information

RTECS: FG2099000

12. ECOLOGICAL INFORMATION

Mobility

No data available

Bioaccumulation

No data available

Ecotoxicity effects

No data available

Aquatic toxicity

May cause long-term adverse effects in the aquatic environment.

Components	U.S. DOT - Appendix B - Marine Pollutan	U.S. DOT - Appendix B - Severe Marine Pollutants	United Kingdom - The Red List:
SODIUM SESQUICARBONATE	Not Listed	Not Listed	Not Listed
Components	Germany VCI (WGK)	World Health Organization (WHO) - Drinking Water	Ecotoxicity - Fish Species Data
SODIUM SESQUICARBONATE	Not Listed	Not Listed	Not Listed
Components	Ecotoxicity - Freshwater Algae Data	Ecotoxicity - Microtox Data	Ecotoxicity - Water Flea Data
SODIUM SESQUICARBONATE	Not Listed	Not Listed	Not Listed
Components	EPA - ATSDR Priority List	EPA - HPV Challenge Program Chemical List	California - Priority Toxic Pollutants
SODIUM SESQUICARBONATE	Not Listed	Not Listed	Not Listed
Components	California - Priority Toxic Pollutants	California - Priority Toxic Pollutants	
SODIUM SESQUICARBONATE	Not Listed	Not Listed	

13. DISPOSAL CONSIDERATIONS

Product

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

Contaminated packaging

Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

International Inventories

United States TSCA - Sect. 8(b)

Not Listed

Canada DSL Inventory List

Not Listed

Australia (AICS)

Listed

U.S. Regulations

Components

SODIUM
SESQUICARBONATE

California Proposition 65

Not Listed

Massachusetts Right to

Know List:

Not Listed

New Jersey Right to

Know List:

Not Listed

Pennsylvania Right to Know

List:

Not Listed

Components

SODIUM
SESQUICARBONATE

Florida substance List:

Not Listed

Rhode Island Right to

Know List:

Not Listed

Illinois - Toxic Air

Contaminants

Not Listed

Connecticut - Hazardous Air

Pollutants

Not Listed

Components

SODIUM
SESQUICARBONATE

SARA 313 Emission
reporting/Toxic Release
of Chemicals

Not Listed

CERCLA/SARA - Section NTP:
302 Extremely Haz

Not Listed

None

IARC:

None

SARA 313 Notification:

The above is your notification as to the SARA 313 listing for this product(s) pursuant to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. If you are unsure if you are subject to the reporting requirements of Section 313, or need more information, please call the EPA Emergency Planning and Community Right-To-Know Information Hotline: (800) 535-0202 or (202) 479-2499 (in Washington, DC or Alaska).

State Notification:

The above information is your notice as to the Right-to-Know listings of the stated product(s). Individual states will list chemicals for a variety of reasons including, but not limited to, the compounds toxicity; carcinogenic, tumorigenic and/or reproductive hazards; and the compounds environmental impact if accidentally released.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

06/30/2014