

Version: 1.3 Revision Date: 04-27-2020

# SAFETY DATA SHEET

According to US Regulation 29 CFR 1910.1200 (HazCom 2012)

### 1. Identification

Product identifier: Sodium Bicarbonate

Other means of identification	
Synonyms: Product No.:	Sodium Hydrogen Carbonate 3506, 3509, 3510, 7396, 7412, 7451, 7749, 7750, 7751, 7752, 7903, BS17, LP06, LP07

### **Recommended restrictions**

**Recommended use:** For Laboratory, Research or Manufacturing Use. **Restrictions on use:** Not determined.

### Details of the supplier of the safety data sheet

Company Name: Address:	Avantor Performance Materials, LLC 100 Matsonford Rd, Suite 200 Radnor, PA 19087
Telephone:	Customer Service: 855-282-6867
Contact Person: E-mail:	Product Information Compliance info@avantormaterials.com

### Emergency telephone number:

CHEMTREC: 1-800-424-9300 within US and Canada (24 hrs/day, 7 days/week)

### 2. Hazard(s) identification

### Hazard Classification

Not classified

### Unknown toxicity - Health

Acute toxicity, dermal100 %Acute toxicity, inhalation, dust100 %or mist100 %

### Label Elements

Hazard Symbol:	No symbol
Signal Word:	No signal word.
Hazard Statement:	Not applicable
Precautionary Statements	Not applicable



# Hazard(s) not otherwise None. classified (HNOC):

### 3. Composition/information on ingredients

Capstanees
Composition Comments:
4. First-aid measures
General information:

Substances

 General information:
 Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.

 Ingestion:
 Rinse mouth thoroughly. Call a POISON CENTER/doctor if you feel unwell.

 Inhalation:
 Move to fresh air. Get medical attention if symptoms persist.

 Skin Contact:
 Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

 Eye contact:
 Flush thoroughly with water. If irritation occurs, get medical assistance.

The components are not hazardous or are below required disclosure limits.

Most important symptoms/effects, acute and delayed

Symptoms:	May cause skin and eye irritation.
Hazards:	None known.

### Indication of immediate medical attention and special treatment needed

Treatment:	Symptoms may be delayed. Treat symptomatically.
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# 5. Fire-fighting measures

General Fire Hazards: No unusual fire or explosion hazards noted.

### Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	None known.
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	
Special fire fighting procedures:	Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Cool containers exposed to flames with water until well after the fire is out.
Special protective equipment	Firefighters must use standard protective equipment including flame

Special protective equipmentFirefighters must use standard protective equipment including flamefor fire-fighters:Firefighters must use standard protective equipment including flameretardant coat, helmet with face shield, gloves, rubber boots, and in<br/>enclosed spaces, SCBA.



6. Accidental release measure	s
Personal precautions, protective equipment and emergency procedures:	Keep unauthorized personnel away. Ventilate closed spaces before entering them. Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.
Methods and material for containment and cleaning up:	Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination.
Notification Procedures:	Inform authorities if large amounts are involved.
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.
7. Handling and storage	
Precautions for safe handling:	Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling. See Section 8 of the SDS for Personal Protective Equipment.
Conditions for safe storage, including any incompatibilities:	Keep container tightly closed. Store in a dry place. Store in a well-ventilated place.
8. Exposure controls/personal	protection
Control Parameters Occupational Exposure Limi	ts
	None of the components have assigned exposure limits.
Appropriate Engineering Controls	No data available.
Individual protection measures,	such as personal protective equipment
General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Wear protective gloves.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. During dust-raising work: Dust mask/respirator.
Hygiene measures:	Provide eyewash station and safety shower. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Wash contaminated clothing

before reuse.

# 9. Physical and chemical properties

### Appearance

Physical state:	Solid
Form:	Powder
Color:	White
Odor:	Odorless
Odor threshold:	No data available.
pH:	8.3 (0.84 g/l, 25 °C)
Melting point/freezing point:	50 °C
Initial boiling point and boiling range:	No data available.
Flash Point:	Not applicable
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive	limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Density:	2.2 g/cm3 (20 °C)
Relative density:	2.2 (20 °C)
Solubility(ies)	
Solubility in water:	Soluble
Solubility (other):	Alcohol: Slightly soluble
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
Other information	
Bulk density:	970 kg/m3
Molecular weight:	84.01 g/mol (NaHCO <sub>3</sub> )
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# 10. Stability and reactivity

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerization does not occur.
Conditions to avoid:	Excessive heat. Moisture.
Incompatible Materials:	Acids. Strong oxidizing agents.
Hazardous Decomposition Products:	Carbon dioxide. Sodium oxides.

# 11. Toxicological information



Information on likely routes of exposure Inhalation: Dust may irritate respiratory system.		
Skin Contact:	Prolonged skin contact may cause temporary irritation.	
Eye contact:	May cause temporary eye irritation.	
Ingestion:	May be harmful if swallowed.	
Information on toxicological effe	cts	
Acute toxicity (list all possible	routes of exposure)	
Oral Product:	LD 50 (Rat): 4,220 - 8,290 mg/kg	
Dermal Product:	No data available.	
Inhalation Product:	No data available.	
Repeated dose toxicity Product:	No data available.	
Skin Corrosion/Irritation Product:	Prolonged skin contact may cause temporary irritation.	
Serious Eye Damage/Eye Irritati Product:	on May cause temporary eye irritation.	
Respiratory or Skin Sensitizatio Product:	<b>n</b> Not a skin nor a respiratory sensitizer.	
Carcinogenicity Product:	This substance has no evidence of carcinogenic properties.	
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: No carcinogenic components identified		
US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified		
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified		
Germ Cell Mutagenicity		
In vitro Product:	No mutagenic components identified	
In vivo Product:	No mutagenic components identified	
Reproductive toxicity Product:	No components toxic to reproduction	
Specific Target Organ Toxicity - Product:	Single Exposure None known.	



### Specific Target Organ Toxicity - Repeated Exposure Product: None known.

Aspiration Hazard Product:	Not classified	
Other effects:	None known.	

## 12. Ecological information

### **Ecotoxicity:** Acute hazards to the aquatic environment: Fish Product: No data available. Aquatic Invertebrates Product: No data available. Chronic hazards to the aquatic environment: Fish No data available. Product: Aquatic Invertebrates No data available. Product: **Toxicity to Aquatic Plants** No data available. Product: Persistence and Degradability Biodegradation Product: There are no data on the degradability of this product. **BOD/COD** Ratio Product: No data available. **Bioaccumulative potential Bioconcentration Factor (BCF)** Product: No data available on bioaccumulation. Partition Coefficient n-octanol / water (log Kow) Product: No data available. No data available. Mobility in soil: Other adverse effects: The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### 13. Disposal considerations

▲ avantor <sup>™</sup>	Version: 1.3 Revision Date: 04-27-2020
Disposal instructions:	Discharge, treatment, or disposal may be subject to national, state, or local laws.
Contaminated Packaging:	Since emptied containers retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

#### DOT

Not regulated.

### IMDG

Not regulated.

### IATA

Not regulated.

### 15. Regulatory information

### **US Federal Regulations**

# TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

### CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

### Hazard categories

Not classified

### SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

### SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

### SARA 311/312 Hazardous Chemical

None present or none present in regulated quantities.

### SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

## Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): None present or none present in regulated quantities.

### **US State Regulations**

### **US.** California Proposition 65

No ingredient requiring a warning under CA Prop 65.



# US. New Jersey Worker and Community Right-to-Know Act

No ingredient regulated by NJ Right-to-Know Law present.

### US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

## US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

### US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

### International regulations

### Montreal protocol

Not applicable

### Stockholm convention

Not applicable

### Rotterdam convention

Not applicable

### Kyoto protocol

Not applicable

### Inventory Status:

Australia AICS: Canada DSL Inventory List: China Inv. Existing Chemical Substances: Japan (ENCS) List: Japan ISHL Listing: Korea Existing Chemicals Inv. (KECI): Mexico INSQ: New Zealand Inventory of Chemicals: Philippines PICCS: Taiwan Chemical Substance Inventory: US TSCA Inventory: EINECS, ELINCS or NLP: On or in compliance with the inventory On or in compliance with the inventory

## 16.Other information, including date of preparation or last revision

### NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible



<b>Revision Information:</b>	Not relevant.
Version #:	1.3
Source of information:	Sources of information used in preparing this SDS included one or more of the following: results from in house or supplier toxicology studies, information from the Toxicology Data Network (TOXNET), European Chemical Agency (ECHA) substance dossiers, IARC Monographs, US National Toxicology Program data, the Agency for Toxic Substances and Disease Registry, other manufacturer's SDSs and other sources, as appropriate.
Further Information:	No data available.
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