

HENGYANG AIJIE TECHNOLOGY CO.,LTD
ADD:JINJIALING,ZHUHUI DISTRICT,HENGYANG CITY,HUNAN PROVINCE,
CHINA

Material Safety Data Sheet

SODIUM BICARBONATE

CHAPTER 1

PRODUCT AND COMPANY INFORMATION

Product name: sodium bicarbonate
Product use: Used as food fermentation, detergent ingredient,carbondioxide
foamer,pharmacy,leather,ore milling and metallurgy,detergent for wool, exting
uisher and metal heat-treating, fiber and rubber industry, feed additive etc.

CAS No.: 144-55-8

Supplier/Manufacturer:

Company Name: HENGYANG AIJIE TECHNOLOGY CO.,LTD
Address: JINJIALING,ZHUHUI DISTRICT,HENGYANG CITY,HUNAN PROVINCE, CHINA

Tel: 0086-734-8262819

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In Case of emergency:

Emergency phone number: +86-(0) 734-8262819



CHAPTER 2

COMPOSITION/INFORMATION ON INGREDIENTS

Substance/ Preparation: substance

Ingredients	CAS No.	EC No.	Conc.	EU Classification
sodium bicarbonate	144-55-8	205-633-8	99.0~100.5%	Not classified

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Arsenic(As) <0.0001%
Heavy metals(Pb) <0.0005%

CHAPTER 3

HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

Appearance: white crystals.

Caution! Causes eye irritation. May cause skin and respiratory tract irritation.

Target Organs: Eyes.

POTENTIAL HEALTH EFFECTS:

Eye: Causes eye irritation. Causes redness and pain.

Skin: May cause skin irritation. Repeated or prolonged exposure may cause drying and cracking of the skin.

Ingestion: May cause irritation of the digestive tract.

Inhalation: May cause respiratory tract irritation.

Chronic: Prolonged or repeated skin contact may cause irritation.



CHAPTER 4

FIRST AID MEASURES

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Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. Do NOT allow victim to rub eyes or keep eyes closed.

Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

Ingestion: Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Get medical aid if irritation or symptoms occur.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician: Treat symptomatically and supportively.

CHAPTER 5

FIRE FIGHTING MEASURES

General Information:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.
Extinguishing Media:	Use extinguishing media most appropriate for the surrounding fire.
Flash Point:	Not applicable.
Autoignition Temperature:	Not applicable.
Explosion Limits, Lower:	Not available.
Upper:	Not available.
NFPA Rating:	(estimated) Health: 2; Flammability: 0; Instability: 0

CHAPTER 6

ACCIDENTAL RELEASE MEASURES

General Information:	Use proper personal protective equipment as indicated in Chapter 8.
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Spills/Leaks:	Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation. Do not get water inside containers.
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CHAPTER 7

STORAGE AND HANDLING

Handling:	Use with adequate ventilation. Minimize dust generation and accumulation. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Do not allow contact with water. Keep from contact with moist air and steam.
Storage:	Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

CHAPTER 8

EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.			
Exposure Limits			
Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Sodium bicarbonate	none listed	none listed	none listed
OSHA Vacated PELs: Sodium bicarbonate: No OSHA Vacated PELs are listed for this chemical.			
Personal Protective Equipment:			
Eyes:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.		

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Skin:	Wear appropriate protective gloves to prevent skin exposure.
Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Respirators:	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

CHAPTER 9

PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Crystals
Appearance and color:	White
Odor:	Odorless
pH:	<8.6
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Evaporation Rate:	Not available.
Viscosity:	Not available.
Boiling Point:	Not available.
Freezing/Melting Point:	270 deg C
Decomposition Temperature:	270 deg C
Solubility:	Soluble.
Specific Gravity/Density:	2.14-2.16
Molecular Formula:	NaHCO ₃
Molecular Weight:	83.995

CHAPTER 10

STABILITY AND REACTIVITY

Chemical Stability:
Stable in dry air, but slowly decomposes in moist air.
Conditions to Avoid:
Dust generation, moisture, excess heat.

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Incompatibilities with Other Materials:
Moisture.
Hazardous Decomposition Products:
Carbon monoxide, carbon dioxide.
Hazardous Polymerization:
Has not been reported.

CHAPTER 11

TOXICOLOGICAL INFORMATION

See section 3 for potential health effects.

Toxicity Data:	
Ingredient Name	Toxicity data
sodium bicarbonate	RTECS#: CAS# 144-55-8: VZ0950000 LD50/LC50: CAS# 144-55-8: Draize test, rabbit, eye: 100 mg/30S Mild; Oral, mouse: LD50 = 3360 mg/kg; Oral, rat: LD50 = 4220 mg/kg;
Carcinogenicity:	
CAS# 144-55-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65.	
Epidemiology: No information available.	
Teratogenicity: Teratogenic effects have occurred in experimental animals.	
Reproductive Effects: No information found	
Mutagenicity: Mutagenic effects have occurred in experimental animals.	
Neurotoxicity: No information found	
Other Studies:	

CHAPTER 12

ECOLOGICAL INFORMATION

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Ecotoxicity:	No data available. No information available.
Environmental:	This chemical released into the environment is not expected to have a significant impact.
Physical:	No information available.
Other:	No information available.

CHAPTER 13

DISPOSAL CONSIDERATION

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.



CHAPTER 14

TRANSPORT INFORMATION

DOT UN Status:	Not Regulated
UN PROPER SHIPPING NAME:	Not Regulated
UN HAZARD CLASS/DIVISION	Not Regulated
UN IDENTIFICATION NUMBER:	Not Regulated
UN PACKING GROUP:	Not Regulated

CHAPTER 15

REGULATORY INFORMATION

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US FEDERAL

TSCA

CAS# 144-55-8 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 144-55-8 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

Not available.

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 144-55-8: 0

Canada - DSL/NDSL



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CAS# 144-55-8 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of Not controlled..

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

Canadian Ingredient Disclosure List

CHAPTER 16

OTHER INFORMATION

Date of preparation: 01/01/2024
Date of issue: 02/01/2024
Version: 1.0



The information in this data sheet is to the best of our knowledge true and accurate, but all data, instructions and/or suggestions are made without guarantee. These statements are solely for the above-mentioned product and should help to take adequate safety precautions.