



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Sodium Bicarbonate USP

30-1088

Section 1: Identification

Product Name	Sodium Bicarbonate USP	
Commercial Name	Not available.	
Product Use	Food Ingredient, Pharmaceutical, Household and Personal Care Product, Water Treatment, General Indus	
Restrictions On Use	Not available.	
Product Code	30-1088	
Company	PCCA 9901 South Wilcrest Houston, TX 77099 Phone: 1-800-331-2498 Fax: 1-800-874-5760	In case of emergency contact: CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com:	Not available.
CFR 1910.1200	
Signal Word	NON-HAZARDOUS
Hazard Statement(s)	Not available.
Pictogram(s) or Symbol(s)	

Precautionary Statement(s):

Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture	Substance
Components	Sodium Bicarbonate
% By Weight	100
CAS#	144-55-8
Molecular Weight	84.01 g/mole
Chemical Formula	NaHCO ₃
Synonym(s)	Not available.

Mixtures	Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
	Sodium Bicarbonate	144-55-8	100	Not available.	ORAL (LD50):Acute: 4220mg/kg [Rat].

Section 4: First-Aid Measures

Inhalation	When symptoms occur: go into open air and ventilate suspected area.
Skin Contact	Brush off loose particles from skin. Rinse immediately with plenty of water. Obtain medical attention if irritation develops or persists.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.
Ingestion	Rinse mouth. Do NOT induce vomiting. Seek medical attention if a large amount is swallowed.
Symptoms/Effects	
Acute	<p>Symptoms/Effects After Inhalation : Prolonged inhalation of dust may cause respiratory irritation.</p> <p>Symptoms/Effects After Skin Contact : Skin contact with large amounts of dust may cause mechanical irritation.</p> <p>Symptoms/Effects After Eye Contact : Contact may cause irritation due to mechanical abrasion.</p> <p>Symptoms/Effects After Ingestion : Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.</p> <p>Chronic Symptoms : None expected under normal conditions of use.</p>
Delayed	<p>Symptoms/Effects After Inhalation : Prolonged inhalation of dust may cause respiratory irritation.</p> <p>Symptoms/Effects After Skin Contact : Skin contact with large amounts of dust may cause mechanical irritation.</p> <p>Symptoms/Effects After Eye Contact : Contact may cause irritation due to mechanical abrasion.</p> <p>Symptoms/Effects After Ingestion : Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.</p> <p>Chronic Symptoms : None expected under normal conditions of use.</p>

Immediate Medical Attention

If exposed or concerned, get medical advice and attention.

Section 5: Fire-Fighting Measures
Suitable Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media

For surrounding fire. Use of heavy stream of water may spread fire.

Products of Combustion

Carbon oxides (CO, CO₂). Sodium oxides.

Firefighters Special Equipment and Precautions

Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe. Exercise caution when fighting any chemical fire. Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6: Accidental Release Measures

Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust or fumes. Avoid skin and eye contact. Evacuate unnecessary personnel. Protective Equipment : Equip cleanup crew with proper protection. Emergency Procedures : Upon arrival at the scene, a first responder is expected to recognise the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Environmental Precautions: Prevent entry to sewers and public waters. Avoid release to the environment. For Containment : Contain and collect as any solid. Methods for Cleaning Up : Clean up spills and dispose of waste safely. Avoid generation of dust during clean-up of spills. Keep in suitable, closed containers for disposal. Contact competent authorities after a spill.

Section 7: Handling and Storage

Additional Hazards When Processed : When heated, material emits irritating fumes. Precautions for Safe Handling : Avoid creating or spreading dust. Do not breathe dust or fumes. Hygiene Measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Technical Measures : Comply with applicable regulations. Storage Conditions : Store in accordance with applicable national storage class systems. Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Incompatible Materials : Acids. Water. Lime. Storage Temperature : < 65 °C (< 150 °F)

Section 8: Exposure Controls/Personal Protection
Exposure Limits

USA ACGIH OEL TWA (Legal Basis:IMDFN1) 3 mg/m³ Respirable fraction 10 mg/m³ Total Dust

Engineering Controls

For occupational/workplace settings: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protection

For occupational/workplace settings and bulk quantities: Gloves. Safety glasses. Dust formation: dust mask. Personal protective equipment should be chosen in accordance with Regulation (EU) 2016/425, CEN standards, and in discussion with the supplier of the protective equipment. Materials for Protective Clothing : For occupational/workplace settings: Chemically resistant materials and fabrics. Hand Protection : For occupational/workplace settings: Wear chemically resistant protective gloves. Eye Protection : For occupational/workplace settings: Chemical goggles or safety glasses. Skin and Body Protection : For occupational/workplace settings: Wear appropriate personal protective equipment. Respiratory Protection : If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn

Section 9: Physical and Chemical Properties

Appearance	Solid. White, crystalline powder White.		
Odor	None		
Odor Threshold	Not available.		
Melting Point	Not available.	pH	8,2 (1% Solution)
Freezing Point	Not available.	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	Not applicable.	Autoignition temperature	Not available.
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Water: 8,6 g/100ml @ 20 °C (68 °F)		
Other	Density : 62 lb/ft3		

Section 10: Stability and Reactivity

Reactivity	Hazardous reactions will not occur under normal conditions.
Chemical Stability	Decomposes slowly on exposure to water (moisture)
Hazardous Polymerization	Hazardous polymerization will not occur.
Conditions to Avoid	Exposure to moisture or moist air. Avoid temperatures above 65.6°C (150°F).
Incompatible Materials	Acids. Water. Lime.
Hazardous Decomposition Products	At high temperature may liberate toxic gases.

Section 11: Toxicological Information

RTECS	Not available.
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Acute Toxicity

LD50 Oral Rat 7,3 g/kg

Skin Corrosion/Irritation

Not available.

Serious Eye Damage/Irritation

Not available.

Respiratory or Skin Sensitization

Not available.

Germ Cell Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive Toxicity

Not available.

Routes of Entry

Inhalation, Dermal, Eye

Symptoms Related to Exposure

Prolonged inhalation of dust may cause respiratory irritation. Skin contact with large amounts of dust may cause mechanical irritation. Contact may cause irritation due to mechanical abrasion. Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.

Potential Health Effects

Not available.

Target Organ(s) Not available.

Section 12: Ecological Information**Ecotoxicity**

LC50 - Fish [1] 7100 mg/l Bluegill EC50 - Crustacea [1] 4100 mg/l LC50 - Fish [2] 7700 mg/l Rainbow Trout LC50 - Fish [1] 8250 – 9000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) EC50 - Crustacea [1] 2350 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Persistence and Degradability

Not available.

Bioaccumulative Potential

Not available.

Mobility in Soil

Not available.

Other Adverse Effects

Avoid release to the environment.

Section 13: Disposal Considerations**Waste Disposal**

Dispose of waste material in accordance with all local, regional, national, and international regulations.

Disposal of Container

Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

DOT Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level which could require reporting under the statute are: NONE
Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual report release of toxic chemicals that appear in 40 CFR 372 (used for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: NONE

Other

WHMIS Not controlled under WHMIS (Canada). (Canada);DSCL (EEC) R36- Irritating to eyes.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent.;Splash goggles.

Section 16: Other Information

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.