

Section 1: Identification

Common Name/Trade Name	SODIUM BICARBONATE USP	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)
Product Synonym(s)	Baking Soda	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Not classified
Signal Word	None
Hazard Statement(s)	N/A
Pictogram(s)	N/A
Precautionary Statement(s)	N/A
Hazards Not Otherwise Classified	Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Prolonged contact with dust can produce mechanical irritation.
Ingredient(s) with Unknown Toxicity	No data available

Section 3: Composition/Information on Ingredients

Chemical Name	Sodium Bicarbonate
Common Name	Sodium Bicarbonate
CAS Number	144-55-8
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
If Inhaled	When symptoms occur: go into open air and ventilate suspected area.
In Case of Skin Contact	Brush off loose particles from skin. Rinse immediately with plenty of water. Obtain medical attention if irritation develops or persists.
In Case of 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.
If Swallowed	Rinse mouth. Do NOT induce vomiting. Seek medical attention if a large amount is swallowed.
Most Important Symptoms and Effects	General: None expected under normal conditions of use. Inhalation: Prolonged inhalation of dust may cause respiratory irritation. Skin Contact: Skin contact with large amounts of dust may cause mechanical irritation. Eye Contact: Contact may cause irritation due to mechanical abrasion. Ingestion: Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema. Chronic Symptoms: None expected under normal conditions of use. Indication of Any Immediate Medical Attention and Special Treatment Needed If exposed or concerned, get medical advice and attention.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	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.
Special Hazards Arising From the Substance/Mixture	Fire Hazard: NOT FLAMMABLE. Under fire conditions, hazardous fumes will be present. Explosion Hazard: Product is not explosive. Reactivity: Hazardous reactions will not occur under normal conditions.
Special PPE and/or Precautions for Firefighters	Precautionary Measures Fire: Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe. Firefighting Instructions: Exercise caution when fighting any chemical fire. Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Hazardous Combustion Products: Carbon oxides (CO, CO2). Sodium oxides.

Section 6: Accidental Release Measures	
Personal Precautions, Protective Equipment and Emergency Procedures	Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust or fumes. Avoid skin and eye contact. For Non-Emergency Personnel Protective Equipment: Use appropriate personal protection equipment (PPE). Emergency Procedures: Evacuate unnecessary personnel. For Emergency Personnel Protective Equipment: Equip cleanup crew with proper protection. Emergency Procedures: Ventilate area.
Methods and Materials Used for Containment	Prevent entry to sewers and public waters. Avoid release to the environment. Contain and collect as any solid.
Cleanup Procedures	For Containment: Contain and collect as any solid. Methods for Cleaning Up: Clean up spills immediately 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	
Precautions for Safe Handling	Additional Hazards When Processed: When heated, material emits irritating 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.
Conditions for Safe Storage	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	
Components with Workplace Control Parameters	USA ACGIH ACGIH TWA (mg/m³) 3 mg/m3 Respirable fraction 10 mg/m3 Total Dust USA OSHA OSHA PEL (TWA) (mg/m³) 5 mg/m3 Respirable fraction 15 mg/m3 Total Dust
Appropriate 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. When using, do not eat, drink or smoke.
PPE - Eye/Face Protection	For occupational or bulk quantities: Chemical goggles or safety glasses.
PPE - Skin Protection	Gloves.
PPE - Body Protection	Wear chemically resistant protective gloves. For occupational or bulk quantities: Chemically resistant materials and fabrics.
PPE - Respiratory Protection	Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits

Section 9: Physical and Chemical Properties	
Appearance	White, crystalline powder
Upper/Lower Flammability or Explosive Limits	Not available
Odor	None
Vapor Pressure	None
Odor Threshold	Not available
Vapor Density	Not available
pH	8.2 (1% Solution)
Relative Density	Specific gravity / density : 62 lb/ft³
Melting Point/Freezing Point	Not available
Solubility	Water: 8.6 g/100ml @ 20 °C (68 °F)
Initial Boiling Point and Boiling Range	Not available
Flash Point	Not available
Evaporation Rate	Not available
Flammability (Solid, Gas)	Not available
Partition Coefficient	Not available
Auto-Ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available

Section 10: Stability and Reactivity

Reactivity	Hazardous reactions will not occur under normal conditions.
Chemical Stability	Decomposes slowly on exposure to water (moisture).
Possibility of Hazardous Reactions	Hazardous polymerization will not occur.
Conditions to Avoid	Exposure to moisture or moist air. Temperatures above 150°F (65 °C).
Incompatible Materials	Acids. Water. Lime
Hazardous Decomposition Products	None known. At high temperature may liberate toxic gases.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	Not classified: LD50 Oral Rat 7.3 g/kg
Acute Toxicity - Inhalation	Not classified: LC50 Inhalation Rat > 4.7 mg/l/4h
Acute Toxicity - Dermal	Based on available data, the classification criteria are not met.
Acute Toxicity - Eye	Not classified [pH: 8.2 (1% Solution)]
Skin Corrosion/Irritation	Not classified [pH: 8.2 (1% Solution)]
Serious Eye Damage/Irritation	Not classified [pH: 8.2 (1% Solution)]
Respiratory or Skin Sensitization	Not classified
Germ Cell Mutagenicity	Not classified.
Carcinogenicity IARC	Not classified.
Carcinogenicity ACGIH	Not classified.
Carcinogenicity NTP	Not classified.
Carcinogenicity OSHA	Not classified.
Reproductive Toxicity	Not classified.
Specific Target Organ Toxicity - Single Exposure	Not classified.
Specific Target Organ Toxicity - Repeated Exposure	Not classified.
Aspiration Hazard	Not classified.

Section 12: Ecological Information

Toxicity	LC50 Fish 1 7100 mg/l Bluegill EC50 Daphnia 1 4100 mg/l LC 50 Fish 2 7700 mg/l Rainbow Trout LC50 Fish 1 8250 - 9000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) EC50 Daphnia 1 2350 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Persistence and Degradability	Not established
Bio-accumulative Potential	Not established
Mobility in Soil	Not available
Other Adverse Effects	Avoid release to the environment.

Section 13: Disposal Considerations

Waste Treatment Methods Product	Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.
Waste Treatment Methods Packaging	Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods.
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information

US Federal & International Regulations Sodium Bicarbonate (144-55-8) Listed on the AICS (Australian Inventory of Chemical Substances) Listed on the Canadian DSL (Domestic Substances List) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the United States TSCA (Toxic Substances Control Act) inventory US State Regulations Neither this product nor its chemical components appear on any US state lists. Canadian Regulations Sodium bicarbonate (144-55-8) Listed on the Canadian DSL (Domestic Substances List) WHMIS Classification Uncontrolled product according to WHMIS classification criteria This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

Section 16: Other Information

Additional Information	The consumer variant of this product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC) and the Food and Drug Administration (FDA). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC and FDA, and as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label. Symptoms/Injuries After Inhalation: Prolonged inhalation of dust may cause respiratory irritation. Symptoms/Injuries After Skin Contact: Skin contact with large amounts of dust may cause mechanical irritation. Symptoms/Injuries After Eye Contact: Contact may cause irritation due to mechanical abrasion. Symptoms/Injuries After Ingestion: Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema. Chronic Symptoms: None expected under normal conditions of use.
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