



VITUSA PRODUCTS

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The Quality System
of Vitusa Products, Inc.
has been registered to
ISO 9002 by SGS ICS, Inc.

Sodium Bicarbonate USP Grade MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION:

Chemical Name:	Sodium Bicarbonate
Common Name:	Sodium Bicarbonate
Formula:	NaHCO ₃
Dot Proper	
Shipping Name:	Not Applicable
DOT Hazard Class:	Not Applicable
Reportable Quantity:	Not Applicable
DOT I.D. Name:	Not Applicable
CAS Number:	144-55-8 (of NaHCO ₃)

PHYSICAL & CHEMICAL PROPERTIES:

State:	Granular Solid
Melting Point °C:	Loses CO ₂ at 270
Boiling Point °C:	Decomposes
Color:	White
Odor:	None
Bulk Density, lb./cu. ft.:	60
Weight Per Gallon:	Not Applicable
Specific Gravity @ 20°C:	2.16
Water Solubility, % by Wt. @ 20°C:	8.8
Flash Point and Method:	Not Applicable
pH:	Not Applicable

HAZARDOUS INGREDIENTS:

<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>ASSAY</u>	<u>CAS NUMBER</u>	<u>HAZARD</u>
Sodium Bicarbonate	Sodium Bicarbonate	100%	144-55-8	Mild irritant to eyes and skin

PHYSICAL HAZARD INFORMATION:

Explosive	No	Flammability Class	Not Applicable
Pyrophoric	No	Organic Peroxide	No
Combustible	No	LEL	Not Applicable
Compressed Gas	No	Flammable	No
UEL	Not Applicable	Oxidizer	No

Reactivity: Normally stable in dry air; in moist air forms sodium carbonate, an irritant
 Incompatibilities: Acids, aluminum and phosphoric pentoxide
 Hazardous Decomposition: Decomposes when exposed to high heat, releasing carbon dioxide. Carbon dioxide gas is an asphyxiant and may affect respiration rate.
 Condition to Avoid: Exposure to incompatible materials and heat

HEALTH INFORMATION:

Precautionary Information: This product is a mild irritant to eyes and skin.
 Symptoms of Exposure: Irritation or redness of the eyes and skin.
 Restrictive Medical Conditions: Eye or skin disease and breathing/respiratory disorders will be aggravated by exposure.

PRIMARY ROUTES OF EXPOSURE:

Inhalation and Ingestion

TOXICITY INFORMATION:

Oral: Infant LD Lo 1260 mg/kg
Oral: Rat LD₅₀ 4220 mg/kg
Irritant Skin: Rabbit 30 mg/
3 days - mild

EXPOSURE LIMITS:

OSHA: Not Established
ACGIH: Not Established
Other: ACGIH TLV TWA for a nuisance
dust is 10 mg/m³ total dust; 5 mg/m³
respirable dust

**PRECAUTIONS FOR SAFE
HANDLING AND USE:**

Avoid contact with eyes, skin and clothing
Avoid breathing product dust
Avoid contact with acids
Wash thoroughly after handling

**ENGINEERING CONTROLS AND PERSONAL
PROTECTIVE EQUIPMENT:**

Ventilation: Use general/local exhaust techniques
to meet nuisance dust exposure limits
Respirator: NIOSH/MSHA approved respirator
if nuisance dust levels exceeded
Eye Protection: No Special Requirements
Gloves: No Special Requirements
Clothing: Good hygiene practices

REPORTED AS A POTENTIAL CARCINOGEN OR CARCINOGEN: NO**SPILL AND LEAK PROCEDURES:**

Soil Releases: Shovel or sweep up and place in container for disposal. Dispose in accordance with appropriate regulations.
Water Spill: Disperse with water jets, propellers or similar devices.
Air Spill: Keep up wind. Treat impact site as for Soil Release or Water Spill.
Occupational Spill: Shovel or sweep up and place in container for disposal.
RCRA Number: Not applicable

FIRST AID PROCEDURES:

Ingestion: Seek medical attention immediately
Inhalation: Remove to fresh air
Skin Contact: Flush skin with water and then wash thoroughly
Eye Contact: Immediately flush eyes with copious amounts of water for at least 15 minutes. Call a physician.

NOTE TO PHYSICIAN: Exposure is primarily sodium bicarbonate**EMERGENCY PROCEDURES:**

Fire: This product is not flammable and does not support combustion.
Spill or Leak: Contain spill or leak. Shovel or sweep up and place in containers for proper disposal.

The information provided in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. Vitusa Products believes this information to be reliable and up to date as of the date of publication, but makes no warranty that it is. It is the users responsibility to determine the suitability of the information provided and to distribute it to those who will use, handle, store, transport, or may otherwise be exposed to this product.