

Tianjin Red Triangle International Trading Co.,Ltd

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Material Safety Data Sheet

Sodium Bicarbonate

Section 1 - Chemical Product and Company Identification

MSDS Name: Sodium Bicarbonate

Company Identification: Tianjin Red Triangle International Trading Co.,Ltd

For information, call: 86-22-59852926

Emergency Number: 86-22-59852914

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
144-55-8	Sodium Bicarbonate	>99.0	205-633-8

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: white color .

Warning! Avoid to breath dust and contact with eyes, skin and clothing.

Target Organs: Skin, eyes, lung and throat.

Potential Health Effects

Eye: Causes eye irritation.

Skin: Causes skin irritation.

Inhalation: May cause respiratory tract irritation.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Rinse area with large amounts of water for at least 15 minutes.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

Notes to Physician: If breathing has ceased apply artificial respiration using

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, full protective gear.

Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Flash Point: Not available.

Autoignition Temperature: Not available.

Explosion Limits, Lower: Not available.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid breathing dust.

Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed.

Section 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 general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles

Skin: Wear impervious gloves.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Use a respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Fine Powder

Appearance: white

Odor: odorless

PH Value: 8.6Max

Vapor Pressure: Negligible

Vapor Density: Not available.

Evaporation Rate:Negligible.

Viscosity: Not applicable.

Boiling Point: Not available.

Melting Point: 270 °C

Decomposition Temperature:Not available.

Solubility: 7.8g/100ml water @100 °C .

Apparent Density: 0.8~1.3kg/dm³

Molecular Formula: NaHCO₃

Molecular Weight: 84

Section 10 - Stability and Reactivity

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid: wetness, excess heat.

Incompatibilities with Other Materials: acid, monoammonium phosphate and sodium-potassium alloy

Hazardous Decomposition Products: Has not been reported

Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

LD50/LC50:

CAS#144-55-8: Not belong to Class 6.1 (Toxic substance). ORL-RAT LD50: 4220 mg/kg

Carcinogenicity:

CAS#144-55-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Section 12 - Ecological Information

Environmental: Marine animals concentrate the element 7-100 times, and marine plants 1000 times from seawater. ... Soybeans and tomatoes also accumulate soil barium 2-20 times. Adsorption of barium was measured in a sandy soil and a sandy loam soil at concn levels closely corresponding to those to be expected for field conditions. In general, sludge solutions appeared to incr the mobility of elements in a soil. This is due to a combination of complexation by dissolved organic cmpd, high background concn and high ionic strengths of the soil solution.

Section 13 - Disposal Considerations

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.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	Sodium Bicarbonate	Sodium Bicarbonate
Hazard Class:	No	No

Section 15 - Regulatory Information

Section 9

Here melting point is the temperature of Losing CO₂ gas.

Section 14:

This material is general product, doesn't have hazard class.

Section 16 - Additional Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

