Hummel Croton Inc.
10 Harmich Rd.
South Plainfield, NJ 07080
www.HummelCroton.com
Phone: 908-754-1800
Fax: 908-754-1815

In Case Of Emergency Call Chemtrec®
(U.S.) (800) 424-9300
(International) (703) 527-3887

Sodium Bicarbonate
Safety Data Sheet

1. Product and Company

Product name:	Sodium Bicarbonate
Synonym:	Baking Soda, Bicarbonate of Soda
CAS-No.:	144-55-8
Company:	Hummel Croton Inc. 10 Harmich Rd. South Plainfield, NJ 07080
Telephone:	908-754-1800
Fax:	908-754-1815

HMIS Rating	
Health	1
Flammabilitiy	0
Reactivity	1
Personal Protection	E

Emergency telephone number

Emergency Phone #:	Chemtrec US: 800-424-9300 Chemtrec International: 703-527-3887

2. Hazards

GHS Classification Not a hazardous substance or mixture

GHS Label elements

Pictogram(s) None

Signal word None

Hazard statement(s)

None

Precautionary statement(s)

None

Hazards not otherwise classified (HNOC) or not covered by GHS

None

3. Composition/Ingredients

Substance

Formula: $NaHCo_3$
Molecular weight: 84.01 g/mol
CAS-No.: 144-55-8

Material	CAS	%	OSHA	ACGIH
Sodium Bicarbonate	144-55-8	100%	15 mg/m^3 as Nuisance Dust	15 mg/m^3 as Nuisance Dust

4. First Aid

First Aid For Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
First Aid For Skin: In case of contact, flush skin with water. Wash clothing before reuse. Calla physician if irritation occurs.
First Aid For Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
First Aid For Ingestion: If swallowed, call a physician immediately.

5. Fire Data

Flammability: Non-Flammable
Flash Point: Not Applicable
Auto Ignition: Not Applicable
Flammable Limits: Not Applicable
Extinguishing Media: Water spray, carbon dioxide, dry chemical powder or foam.
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Fire/Explosion Hazards: None

6. Accidental Release

Spill Or Leak Procedures: Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water. Collect wash water for approved disposal. Keep from entering water or ground water.

7. Handling And Storage

Storage Temperatures: Store at ambient temperature.
Shelf Life: Unlimited in tightly sealed container
Special Sensitivity: None

Handling/Storage Precautions: Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials. Reseal containers immediately after use. Store away from food or beverages.

8. Exposure Controls/Personal Protection

Eye Protection: Safety glasses or goggles.
Skin Protection: PVC gloves with impervious boots, apron or coveralls. Wash hands and face before eating, drinking or using tobacco.
Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.
Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.
Additional Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe handling of hazardous chemicals.

9. Physical And Chemical Properties

Physical Form: Powder
Color: White
Odor: Odorless
Molecular Weight: 84.01 g/mol
Boiling Point: Decomposes – Loses CO_2 above 270°C
Melting/Freezing Point: Decomposes – Loses CO_2 above 270°C
Solubility In Water: 13 g/ 100mL @0°C
Specific Gravity: 2.159

10. Stability And Reactivity

Stability: Stable
Hazardous Polymerization: Will not occur.
Incompatibilities: Strong acids and strong oxidizing agents.
Instable Conditions: Excessive temperatures (see incompatibilities).
Decomposition Temperature: Decomposes – Loses CO_2 above 270°C
Decomposition Products: Carbon dioxide and carbon monoxide.

11. Toxicological Information

RTECS Number: VZ0950000
Routes of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.
Toxicity Data: Orl-Rat LD50: 4220 mg/kg Orl-Mus LD50: 3360 mg/kg
Chronic Toxic Effects: This product is not listed by NTP, IARC or regulated as a Carcinogen by OSHA.
Acute Toxic Effects: Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane.
Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound

12. Ecological Information

Ecotoxicity: Not available at this time.

13. Disposal Considerations

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

14. Transportation Information

Proper Shipping Name: Sodium Bicarbonate
UN Number: N/A
Class: N/A
P.G.: N/A
Label Code: N/A

15. Regulatory Information

OSHA Status: This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) Inventory List
California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances which the state of California has found to cause cancer, birth defects, or other reproductive effects.
SARA 313 Title III:

- Section 320 Extremely Hazardous Substances: None
- Section 311/312 Hazardous Categories: None
- Section 313 Toxic Chemicals: None

16. Other Information

Prepared By: Michael Richard
Date: June 3, 2015
Reason For Issue: GHS Compliance

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