



NEW DIRECTIONS AROMATICS

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Sodium Bicarbonate USP
Chemical Formula: NaHCO₃
Synonyms: Sodium hydrogen carbonate, baking soda
INCI Name: Sodium Bicarbonate
CAS # 144-55-8
Country of Origin: Canada

SECTION: 1.2 COMPANY IDENTIFICATION

Company: New Directions Aromatics Inc.
Address: 6781-Columbus Road, Mississauga. L5T 2G9 Canada
Telephone No: 905-362-1915
FAX: 905-362-1926

24 HOUR EMERGENCY TELEPHONE NUMBER: (613)-996-6666 CANUTEC

SECTION: 2. COMPOSITION / INFORMATION INGREDIENTS

Component	CAS Number	EINECS Number	Proportions [%w/w]
Sodium Bicarbonate	144-55-8	Not allotted	100

SECTION: 3. HAZARDS IDENTIFICATION

Potential Health Acute Effects: Slightly Hazardous in case of skin contact (irritant), of eye contact, of inhalation (Lung irritant). Non-corrosive to skin. Non-hazardous in case of ingestion.

Inhalation: May cause respiratory irritation.
Skin Contact: Causes skin irritation
Eye Contact: Causes eye irritation.
Ingestion: Non-hazardous in case of ingestion.
Potential Chronic Health Effects: Carcinogenic effects: Not available.
Mutagenic effects: Not available.
Teratogenic effects: Not available.
Developmental Toxicity: Not available.

Eye or skin diseases and respiratory disorders will be aggravated by exposure.

SECTION: 4. FIRST AID MEASURES

Eye Contact: Contact with eyes can produce burning sensation. Irrigate with water immediately, continue flushing eyes with water for 15 minutes. Seek medical attention if irritation persists.

Inhalation: Remove the person to fresh air. Give oxygen if not breathing and seek medical advice. Avoid casual breathing. Signs of over exposure are dizziness and nausea.

Ingestion: Rinse mouth; dilute with milk or water and consult a physician immediately. Do not induce vomiting. Never-give anything by mouth if victim is unconscious, is rapidly losing or is convulsing.

Skin Contact: Skin contact can produce irritation, or itching of the skin. Remove contaminated clothing. Wash plenty of water. Seek medical attention if irritation persists



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SECTION: 5. FIRE FIGHTING MEASURES

Flammable Limits:	N/A
Extinguishing media:	Do not burn or support combustion.
Special Procedures:	N/A
Unusual Firefighting Hazards:	None identified.
Combustion Product:	Carbon Monoxide, Carbon Dioxide

SECTION: 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use of self-contained breathing apparatus is recommended for any major chemical spill.
Safety Precautions:	Use a shovel to put the material into a convenient waste disposal container.
Environmental Precautions:	Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required.
Methods For Cleaning Up:	Pick up spilled material and containerize for recovery or disposal. Flush area with water to remove residues.

SECTION: 7. HANDLING AND STORAGE

Handling:	Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used.
Storage:	Containers should be kept closed in order to minimize contamination. Store in sealed original container. Make sure the material does not come into contact with Acids

SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes Protection:	The use of safety glasses is recommended.
Respiratory Protection:	In well- ventilated areas, respiratory protection is not normally required. In confined, poorly ventilated areas the use of "NIOSH" approved respiratory protection normally required (use only if trained in proper use and with acceptable oxygen level).
Protective Gloves:	Using chemical resistant gloves is recommended.
Protective Clothing:	Using chemical resistant clothing is recommended.
Protective Equipment:	Eyes Safety Glasses Body Lab Coat Respiratory Dust Respirator. Be sure to use an approved/ certified respirator Hands Gloves Feet N/A

SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid crystalline powder
Odor:	Odorless
Specific Gravity:	2.16
Solubility:	Soluble in water
pH:	Not Available
Flash Point:	Not Applicable
Melting Point:	Not Available



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SECTION: 10. STABILITY AND REACTIVITY

Stability:	Chemically stable, non hazardous material. This material presents no significant reactivity hazard.
Materials to Avoid:	Strong oxidizing agents, Bases, Strong Acids.
Hazardous Polymerization:	Will not occur.
Hazardous Combustion or Decomposition Products:	None known.

SECTION: 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity:	LD50: 4220 mg/kg
Skin irritation:	Slightly hazardous in case of skin contact (irritant). Non-corrosive for skin. Skin inflammation is characterized by itching, scaling, reddening occasionally, blistering.
Eye irritating:	Slightly hazardous in case of eye contact (irritant).
Inhalation:	Slightly hazardous in case of inhalation (lung irritant).
In vitro mutagenicity:	Not mutagenic (analogy)
Carcinogenicity Data:	None of the components of this material are listed as a carcinogen.
Reproductive Toxicity:	No adverse effects on reproduction are known.
Acute Toxicity Values:	No data is currently available.

SECTION: 12. ECOLOGICAL INFORMATION

Ecotoxicity:	Not available
BODS and COD:	Not available
Products of Biodegradation:	Possibly hazardous short term degradation products are not likely however, long term degradation products may arise.
Toxicity of the products of Biodegradation:	The product itself and its products of degradation are not toxic.
Special remarks on the Products of Biodegradation:	Not available.

SECTION: 13. DISPOSAL CONSIDERATION

Incineration or sanitary landfill in accordance with local, provincial and federal regulations. Check with disposal expert to insure compliance.

SECTION: 14. TRANSPORT INFORMATION

General information:	Not controlled under TDG (Canada)
Special provision	N/A

SECTION: 15. REGULATORY INFORMATION

WHMIS hazard class:	Not controlled under WHMIS
Regulatory List	CEPA DSL Sodium Bicarbonate USP#1
HMIS	Not controlled
DSCL (EEC)	Not Classified
HMIS (USA)	Health: 1 Flammability: 0 Reactivity: 0 Personal Protection: E



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SECTION: 16. OTHER INFORMATION

Revision Date: October 17, 2011

SECTION: 17. DISCLAIMER

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NEW DIRECTIONS AROMATICS

CERTIFICATE OF ANALYSIS

Product: Sodium Bicarbonate USP
Lot No.: 16021-A25
Manufacturing Date: May 2011
Best before: May 2016

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Solid crystalline powder	Complies
Odor:	Odorless	Complies
Specific Gravity:	2.16	Complies
Solubility:	Soluble in water	Complies
Reaction with Acids	Produce CO ₂ gas readily.	Complies

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www.newdirectionsaromatics.com



NEW DIRECTIONS AROMATICS

CERTIFICATE OF ANALYSIS

Product: Sodium Bicarbonate USP
Lot No.: 16021-A26
Manufacturing Date: May 2011
Best before: May 2014

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Solid crystalline powder	Complies
Odor:	Odorless	Complies
Specific Gravity:	2.16	Complies
Solubility:	Soluble in water	Complies
Reaction with Acids	Produce CO ₂ gas readily.	Complies

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CERTIFICATE OF ANALYSIS

Product: Sodium Bicarbonate USP
Lot No.: 16021-A27
Manufacturing Date: May 2011
Best before: May 2015

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Solid crystalline powder	Complies
Odor:	Odorless	Complies
Specific Gravity:	2.16	Complies
Solubility:	Soluble in water	Complies
Reaction with Acids	Produce CO ₂ gas readily.	Complies

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