



NEW DIRECTIONS AROMATICS

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Banana Powder Fruit Extract
Botanical Name: *Musa paradisiaca*
Synonyms: *Musa sapientum*
INCI Name: Musa sapientum (banana) fruit extract
Country of Origin: India

SECTION: 1.2 COMPANY IDENTIFICATION

Company: New Directions Aromatics Inc.
Address: 6781-Columbus Road, Mississauga. L5T 2G9 Canada
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24 HOUR EMERGENCY TELEPHONE NUMBER: (613)-996-6666 CANUTEC

SECTION: 2. COMPOSITION / INFORMATION INGREDIENTS

Constituents: Extract, Banana powder
Vitamin C

SECTION: 3. HAZARDS IDENTIFICATION

For External Use only. Use under strict medical or professional advice. Avoid eyes and skin contact.

Medical Information: N/A

SECTION: 4. FIRST AID MEASURES

Eye Contact: Contact with eyes can produce burning sensation. Flush eyes with water immediately. Seek medical attention if irritation persists.

Inhalation: Remove to fresh air.

Ingestion: Rinse mouth with 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. Wash contaminated area with soap and plenty of water. Seek medical attention if irritation persists.

SECTION: 5. FIRE FIGHTING MEASURES

Flammable Limits: Flash Point Above 80°C
Not a significant source of fire or self-igniting chemical.

Extinguishing media: Carbon Dioxide, dry chemical or foam. Closed containers may build up pressure at elevated temperature

Special Procedures: Determine the need to evacuate or isolate the area according to your local emergency plan.

Unusual Firefighting Hazards:

Protective Equipment: Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving oils or chemicals.

Combustion Product: Carbon Monoxide, Carbon Dioxide

SECTION: 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use of self-contained breathing apparatus is recommended

Safety Precautions: Eliminate all ignition sources. Ventilate area. Determine the need to Evacuate or isolate the area according to your local emergency plan.



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Environmental Precautions: Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required.

Methods For Cleaning Up: Comply with all federal, state, and local regulation. Wipe small spills with cloth. Clean with water and detergent.

SECTION: 7. HANDLING AND STORAGE

Handling: Avoid inhalation and contact with skin and eyes.

Storage: Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light. Keep away from extreme heat and from freezing conditions and away from all sources of ignition

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.

Protective Gloves: Using chemical resistant gloves is recommended.

Protective Clothing: Using chemical resistant clothing is recommended.

Protective Equipment: Acceptable industrial hygiene practices should be maintained.

SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Creamish free flowing Powder

Odor: Characteristic odor.

Solubility: Good solubility in water

Moisture <4 % w/w

Ash Content: < 4 %

Method of Extraction: Spray-dried fruit.

SECTION: 10. STABILITY AND REACTIVITY

Stability: Chemically stable. This material presents no significant reactivity hazard.

Conditions to Avoid: Avoid sparks, flame and excessive heat.

Materials to Avoid: Strong oxidizing agents.

Flammability: Combustible liquid.

Hazardous Polymerization: Will not occur.

Hazardous Combustion or Decomposition Products: None known.
When heated to decomposition produces carbon dioxide and monoxide smoke.

SECTION: 11. TOXICOLOGICAL INFORMATION

Inhalation: Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

Skin Contact: Repeated or prolonged contact can cause redness, irritation and scaling of skin (Dermatitis). Adverse skin effects should be prevented by normal care and personal hygiene

Eye Contact: May irritate eyes.

Ingestion: Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting.



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Medical Conditions Aggravated

By Exposure:

N/A

Chronic Toxicity:

N/A

Carcinogenicity

Data:

N/A

Reproductive

Toxicity:

N/A

Acute Toxicity

Values:

N/A

SECTION: 12. ECOLOGICAL INFORMATION

Long-term effects in the aquatic environment are not known. Avoid any pollution of ground, surface or underground water.

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

US DOT Shipping Description:

Check appropriate authority

IATA Shipping (Air):

Check appropriate authority

IMDG Shipping Description:

Check appropriate authority

SECTION: 15. REGULATORY INFORMATION

WHMIS (Canada):

Not Available

HMIS (USA):

Health Hazard –N/A Fire Hazard –N/A Reactivity –N/A

SECTION: 16. OTHER INFORMATION

Revision Date: October 6, 2011

SECTION: 17. DISCLAIMER

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CERTIFICATE OF ANALYSIS

Product: Banana Fruit Extract
Lot No.: 34027-A05
Manufacturing Date: February 2011
Best Before: February 2013

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Creamish white free flowing powder.	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Good solubility in water.	Complies
Flavor	Typical flavor of Banana	Complies
Moisture	<4%	3.60
Ash Contents	<4%	2.22
pH	3.0 – 5.0	6.08

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