INTERNATIONAL SPICES

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68025

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MSDS for Cure, Maple Sugar

Material Safety Data Sheet
May be used to comply with

OSHA's Hazard Communication Standard, 29 CFR 1910.1200. This Standard must be Consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As used on Label and List)	**Date Prepared:**
Cure, Maple Sugar (A blend of Salt, White Sugar, Light Brown Sugar, Maple Sugar, Propylene Glycol, and Sodium Nitrite)	4/9/08

Section 1 – Product Information

Distributor's Name International Spices Ltd.	Emergency Telephone Number (800) 321-7742
Address 1040 Lucius St., Fremont, NE 68025	Telephone Number for Information (402) 727-4600

Synonyms: Nitrous acid, Sodium salt.

Section 2 – Hazardous Ingredients

Hazardous Components or Ingredients (Percent)	**CAS**	**OSHA PEL**	**ACGIH TLV-TWA**
Sodium Nitrate (0.8%)	7632-00-0	N/A	N/A

Ingredients listed in this diction are those which are hazardous by the OSHA Hazard Communication
Standard and present at greater than the threshold level defined by the HCS. Items on this MSDS may be designated "trade secret". Bona fide requests for disclosure of trade secret information to medical personnel must be made in accordance with the procedures contained in 29 CFR 1910.1200 (1) – (13).

Section 3 – Physical/Chemical Characterization

Boiling Point > 320°C (>608°F)	Specific Gravity (H_2O = 1) 2.17
Vapor Pressure (mm Hg) No Information available	Melting Point 271°C (520°F)
Vapor Density (AIR = 1) No Information available	Evaporation Rate (Butyl Acetate = 1) No Information Available
Solubility in Water 8.52g/100 g water @ 20°C	pH 9.0 Aqueous Solution
Appearance and odor Light Brown Crystalline Granules	

Section 4 – Fire and Explosion Data

Flammable: _____ yes __X__ no

If so, under what conditions: Not Applicable

LEL: N/A

UEL: N/A

Flash Point: Not Flammable

Extinguishing Media: Water or water spray in early stages of fire. Foam may also be used, but avoid the use of multi-purpose dry chemical fire extinguishers where contact with sodium nitrite may occur. Water streams may scatter molten materials

Special Fire Fighting Procedures: In the event of a fire, wear full protective clothing and NIOSH/MSDA approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Decomposition of sodium nitrite may leave a caustic residue.

Unusual Fire and Explosion Hazards: Strong oxidizer. Contact with combustible materials, flammable materials, or powdered metals can cause fire or explosion. Increases the flammability of any combustible material.

Auto Ignition Temperature: Not Applicable

Section 5 – Reactivity Data

Chemical Stability: ____X___Stable _____ Unstable

If unstable, under what conditions: Not applicable

Incompatibility: (Materials to Avoid) **REDUCING AGENTS, FLAMMABLE and COMBUSTIBLE MATERIALS, CYANIDES and ALUMINUM.**

Hazardous Decomposition or Byproducts: Material slowly oxidizes to sodium nitrate when exposed to air.

Hazardous Polymerization: _____ yes ____X____ no

Section 6 – Health Hazard Data

Route of Entry: x Skin contact x Skin Absorption x Eye Contact x Inhalation
x Ingestion

Effects of Acute Overexposure to Product:

Inhalation: Toxic. Causes irritation to the respiratory tract and systemic poisoning with symptoms paralleling ingestion.

Eye Contact: Causes irritation, redness, and pain.

Skin Contact: Causes irritation, redness and pain. May be absorbed through the skin causing systemic poisoning; symptoms may parallel ingestion.

Ingestion: Toxic. Can irritate the mouth, esophagus, stomach, etc. Excessive amounts effect the blood and blood vessles. Signs and symptoms of nitrite poisoning include intense cyanosis, nausea, dizziness, vomiting, collapse, spasms of abdominal pain, rapid heart beat, irregulat breathing, coma, convulsions, and death due to circulatory collapse. Estimated lethal dose 1 - 2 grams.

Effects of Chronic Overexposure to Product:

Repeated exposure through any route may cause symptoms similar to acute toxicity.

Exposure Limits: N/A

Irritancy of Product: N/A

Reproductive Toxicity: No Data Available

Sensitization to Product: No Data Available

Toxicological Information: Oral rat LD50: 180 mg/kg: inhalation rat LC50: 550 ug/m^3; irritation: eye rabbit: 500 mg/24H mild. Investigated as a tumorigen, mutagen, reproductive effector.

Emergency and First Aid Procedures:

Inhalation: Remove to the fresh air. If having difficulty breathing, give oxygen. If not breathing, give artificial respiration.

Eye Contact: Immediately flush with water for at least 15 minutes.

Skin Contact: Wash with copious amounts of soap and water.

Ingestion: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Section 7 – Precautions for Safe Handling and Use

Steps to be taken in the event that the material is Released or Spilled: Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container. US Regulation (CERCLA) require reporting spills and release to soil, water and air in excess of reportable quantities.

Waste Disposal Method: Dispose according to Federal, State and Local regulations.

Precautions to be taken in Handling and Storing: Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage and moisture. Isolate from any source of heat or ignition. Avoid storage on wood floors. Separate from incompatibles, combustibles, organic or other readily oxidizable material. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

Section 8 – Control Measures

Personal Protective Equipment:

Gloves: Use rubber or neoprene gloves sufficient to protect skin from dust.
Respirator: Use NIOSH/MSHA approved respirators.
Eye Protection: Goggles or splash-shield
Clothing: Wear clothing sufficient to protect skin from dust.
Other: N/A

Work Practices: As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Wash thoroughly and remove or clean any contaminated clothing.

Section 9 – Regulatory Information (Federal and State Regulations)

Hazardous Component or Ingredient	SARA 302	SARA 313	RCRA	TSCA
Sodium Nitrite (0.8%)	No	Yes	No	No

Section 10 – Other Information

Hazardous Materials Identification System (HMIS) rating for product ingredients:

HEALTH - 2 FIRE - 0 REACTIVITY - 3 Specific Hazard - OXIDIZER

HMIS Hazard Codes: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe

Section 11 – Preparation of MSDS

All information appearing herein is based upon data obtained from the raw material manufacturer and/or recognized technical sources. While the information above is believed to be true and accurate the author makes no representations as to its accuracy or sufficiency. Conditions or use are beyond the producers control and therefore the users are responsible to verity this data under their own particular conditions, applications and regulations to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, disposal, reliance upon, publication or use of the information contained herein. This information applies only to the product designated above and does not necessarily apply to its use in combination with other materials, products, chemical compounds, structures or processes.