



NEW DIRECTIONS AROMATICS

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: **Epsom Salt Crystals**
Synonyms: Magnesium sulfate, Heptahydrate
Formula: $MgSO_4 \cdot 7H_2O$
CAS #: 10034-99-8
Country of Origin: India

SECTION: 1.2 COMPANY IDENTIFICATION

Company: **New Direction 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

Ingredients	CAS#	Percent	Hazard
Epsom Salt	10034-99-8	100%	No

SECTION: 3. HAZARDS IDENTIFICATION

Emergency overview: White or transparent crystalline odorless powder. Non-combustible. At very high temperature Magnesium oxide, Sulfur dioxide and sulfur trioxide may be generated. Causes mild eye irritation.

Medical Information:

N/A

SECTION: 4. FIRST AID MEASURES

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

Inhalation: Remove to fresh air. Seek medical attention if irritation persists.

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. Remove contaminated clothing wash with soap and plenty of water. Seek medical attention if irritation persists.

SECTION: 5. FIRE FIGHTING MEASURES

Flammable Limits: N/A Non-combustible

Extinguishing media: Carbon Dioxide, dry chemical or foam.

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

Unusual Firefighting Hazards: None identified.

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

Combustion Product: N/A

SECTION: 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear chemical goggles.

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

Environmental Hazards: Sinks and mixes with water. No adverse effect known. Not a listed toxic chemical under SARA Title III, 313 40 CFR Part 372. Not a CERCLA



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Methods For Cleaning Up:

Hazardous substance under 40 CFR part 302.
Small spill cleanup: Sweep, Scoop or vacuum discharged material. Flush residue with water. Observe environmental regulations.
Large spill cleanup: Keep unnecessary people away Isolate hazard area and deny entry. Flush residue with water.

SECTION: 7. HANDLING AND STORAGE

Handling:

Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use.

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
Make sure the material does not come into contact with substances listed as: "Materials to Avoid".

SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes Protection:

The use of safety glasses is recommended. If a material is to be handled in a manner where splashing may occur, the use of splash goggles or face shield 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:

An eyewash fountain and / or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained.

SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Crystalline odorless fine powder

Odor:

Odorless

Solubility:

Soluble in water and alcohol

Relative Density:

1.76 gm/cm³

pH

7

SECTION: 10. STABILITY AND REACTIVITY

Stability:

Chemically stable.

Conditions to Avoid:

None

Materials to Avoid:

Metal hydrides and other water reactive materials

Flammability:

Combustible liquid.

Hazardous Polymerization:

Will not occur.

Hazard at High Temperature

None known.

Decomposition Products:

At very high temperature Magnesium oxide, Sulfur dioxide and sulfur trioxide may be generated.



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SECTION: 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Values: When tested for primary irritation potential, this material caused mild eye irritation. RTECS reports oral TDLo = 428 mg/kg in man and 351 mg/kg in women.

Carcinogenicity :

Ingredients	CAS #	Known	Anticipated	IARC Category
Epsom Salt	10034-99-8	No	No	None

SECTION: 12. ECOLOGICAL INFORMATION

Environmental Toxicity: No data is currently 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

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): Not Available
SARA Title III § 302/ SARA §313: Not an extremely hazardous substance

SECTION: 16. OTHER INFORMATION

Revision Date: April 20, 2011

SECTION: 17. DISCLAIMER

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CERTIFICATE OF ANALYSIS

Product:

Epsom Salt (India) Crystals

Lot No.:

25008-A07

<u>Property</u>	<u>Specification</u>	<u>Result</u>
Appearance:	Crystalline odorless fine powder	Complies
Odor:	Odorless	Complies
Solubility:	Soluble in water and alcohol	Complies
Relative Density:	1.76 gm./cm ³	Complies
pH	7.0 – 7.5	7.0
Purity	99%	Complies
MgO	16.0% Min	Complies
Mg	9%	Complies
Moisture	Max 1.5%	Complies

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