



NEW DIRECTIONS

A R O M A T I C S

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Solubiliser - Raw Material
Chemical Name Polyoxyethylene (20) sorbitan monolaurate, Monododecanoate sorbitan
Synonym None
INCI Name: Polysorbate 20
CAS #: 9005-64-5
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

Name	CAS#	% by weight	Exposure limits
Sorbitan, Monododecanoate	9005-64-5	~100	Not available
Vitamin E Alcohol	10191-41-0	~100 ppm	Not available
Non-hazardous and other ingredients below reportable levels			Balance

SECTION: 3. HAZARDS IDENTIFICATION

Physical state Liquid
Emergency overview Warning: Harmful if swallowed
Route of entry Eye contact, Skin contact, inhalation, ingestion
Potential Acute Health Effects:
Inhalation: Inhalation of vapor mist may cause respiratory irritation.
Skin Contact: Avoid skin contact.
Eye Contact: Causes a temporary eye irritation.
Ingestion: May be harmful if swallowed in large amounts will result in diarrhea and weakness.

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 to fresh air. Give oxygen if breathing is labored 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:	Flash Point: 149 °C; May be combustible at higher temperature.
Extinguishing media:	Water Spray, Carbon Dioxide, dry chemical or foam. Do not use direct water jet on burning material.
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
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:	Add dry material to absorb spill (if large spill, dike to contain)
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. 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 sealed original container.

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:	Yellow viscous oily liquid.
Odor:	Characteristic mild odor.
Solubility:	Soluble in water and ethanol.
Specific Gravity:	1.00 – 1.10 @ 25°C
Water Content:	<3.0 %



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SECTION: 10. STABILITY AND REACTIVITY

Stability:	Chemically stable, nonhazardous material. This material presents no significant reactivity hazard.
Conditions to Avoid:	Avoid sparks, flame and excessive heat.
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

Toxicity Data:				
Ingredient Name	Test	Results	Route	Species
T-Maz [®] 20	LD ₅₀	>39000 mg/Kg	ORAL	RAT
Chronic effects on Human				
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.			
Other Toxic Effects on Human	Not known			

SECTION: 12. ECOLOGICAL INFORMATION

Eco toxicity Data: N/A
Biodegradation: Moderately degradable.

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

DOT Classification Not a DOT controlled material (US)
TDG Not regulated under TDG

SECTION: 15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulation (CPR), and the MSDS contain all the information required by the CPR.

DSL Inventory Status: This product or all of its components are currently listed on the Domestic Substance List (DSL), as described under the Canadian Environmental Protection Act.

WHMIS (Canada): Not controlled under WHIMS
EINECS: N/A DSCL (EEC): N/A International List: N/A

HMIS (US): Health: 1 Flammability: 1 Reactivity: 0 Personal Protection: N/A



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MATERIAL SAFETY DATA SHEET

SECTION: 16. OTHER INFORMATION

Revision Date: November 18, 2011

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SECTION: 17. DISCLAIMER

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NEW DIRECTIONS AROMATICS

CERTIFICATE OF ANALYSIS

Product: Solubiliser
Lot No.: 16036-A07, -A07-1
Best before: April 2013

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Yellow viscous oily liquid.	Complies
Odor:	Characteristic mild odor.	Complies
Solubility:	Soluble in water and ethanol.	Complies
Specific Gravity:	1.00 – 1.10 @ 25°C	1.100
Water Content:	<3.0 %	2.85

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