



# NEW DIRECTIONS AROMATICS

## MATERIAL SAFETY DATA SHEET

### SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Titanium Dioxide – Raw Material  
Chemical Formula: TiO<sub>2</sub>  
Synonyms: Tronox A-Z, Pigment white 6, Titania, Anatas Pigment  
CAS #: 13463-67-7  
Uses: Pigment  
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	% by weight	LC <sub>50</sub> /LD <sub>50</sub>
Titanium Dioxide	13463-67-7	80 – 100	N/A
Aluminium Hydroxide	21645-51-2	0 – 10	N/A

### 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

<b>Flammable Limits:</b>	N/A
<b>Extinguishing media:</b>	Do not burn or support combustion.
<b>Special Procedures:</b>	N/A
<b>Unusual Firefighting Hazards:</b>	N/A
<b>Combustion Product:</b>	N/A

#### SECTION: 6. ACCIDENTAL RELEASE MEASURES

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

#### SECTION: 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used.
<b>Storage:</b>	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

<b>Eyes Protection:</b>	The use of safety glasses is recommended.
<b>Respiratory Protection:</b>	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).
<b>Protective Gloves:</b>	Using chemical resistant gloves is recommended.
<b>Protective Clothing:</b>	Using chemical resistant clothing is recommended.
<b>Protective Equipment:</b>	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

<b>Appearance:</b>	White Solid powder
<b>Odor:</b>	Odorless
<b>Specific Gravity:</b>	3.8 – 4.2
<b>Solubility:</b>	Insoluble in Hot or cold water
<b>pH: 1% Solution</b>	5 – 8.5
<b>Melting Point:</b>	1830 - 1850°C



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#### SECTION: 10. STABILITY AND REACTIVITY

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

#### SECTION: 11. TOXICOLOGICAL INFORMATION

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

#### SECTION: 12. ECOLOGICAL INFORMATION

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

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

#### SECTION: 15. REGULATORY INFORMATION

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



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## MATERIAL SAFETY DATA SHEET

<b>SECTION: 16. OTHER INFORMATION</b>
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Revision Date: October 17, 2011

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<b>SECTION: 17. DISCLAIMER</b>
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# NEW DIRECTIONS AROMATICS

## CERTIFICATE OF ANALYSIS

**Product:** Titanium Dioxide – Raw Material  
**Lot No.:** 16031-A08/B08  
**Manufacturing Date:** August 2009  
**Best before:** August 2014

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
<b>Appearance:</b>	White Solid powder	Complies
<b>Odor:</b>	Odorless	Complies
<b>Specific Gravity:</b>	3.8 – 4.2	Complies
<b>Solubility:</b>	Insoluble in Hot or cold water	Complies
<b>pH: 1% Solution</b>	5 – 8.5	Complies
<b>Titanium Dioxide Contents</b>	99.0%	Complies

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# NEW DIRECTIONS AROMATICS

## CERTIFICATE OF ANALYSIS

**Product:** Titanium Dioxide – Raw Material  
**Lot No.:** 16031-A09  
**Manufacturing Date:** August 2009  
**Best before:** August 2014

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
<b>Appearance:</b>	White Solid powder	Complies
<b>Odor:</b>	Odorless	Complies
<b>Specific Gravity:</b>	3.8 – 4.2	Complies
<b>Solubility:</b>	Insoluble in Hot or cold water	Complies
<b>pH: 1% Solution</b>	5 – 8.5	Complies
<b>Titanium Dioxide Contents</b>	99.0%	Complies

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