



NEW DIRECTIONS AROMATICS

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Phytokeratin - Naturally Derived Active
Chemical Family: Mixture
Synonyms: none
INCI Name: Water (and) hydrolyzed corn protein (and) hydrolyzed wheat protein (and) hydrolyzed soy protein.
Formula: Not applicable/mixture.
Product Use: Personal care.
Country of Origin: Canada.

SECTION: 1.2 COMPANY IDENTIFICATION

Company: New Direction 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	CAS #	
Hydrolyzed soy protein	68607-88-5	
Hydrolyzed corn protein	100209-41-4 / 73049-73-7	[AIC, EU, INCI]
Hydrolyzed wheat protein	70084-87-6 / 94350-06-8	[AIC, EU]

SECTION: 3. HAZARDS IDENTIFICATION

OSHA Hazard Classification: This product is not considered to be hazardous under OSHA 29 CFR 1910-1200
Hazardous Material Identification System:

HMIS:	Health	Flammability	Physical/Instability	PPI/special Hazard
	0	0	0	N/A

Inhalation Toxicity: Not expected to be toxic by inhalation. Not a respiratory irritant.
Skin Toxicity: No significant adverse effects to health would be expected to occur from dermal contact. Not expected to absorb through the skin.
Eye Toxicity: Transient redness if left in the eye for long periods of time. No corneal damage or visual impairment is expected.
Ingestion Toxicity: May cause gastrointestinal irritation with one or more of the following symptoms: nausea, vomiting or diarrhea. Not expected to be toxic by ingestion.
Carcinogenicity / Chronic Organ Toxicity: Not known or reported to be carcinogenic or to have any adverse chronic health effects.

SECTION: 4. FIRST AID MEASURES

Eye contact: Flush with water for at least 15 minutes. Call physician if irritation persists.
Inhalation: If inhaled: Get some fresh air.
Ingestion: If swallowed: Rinse mouth and dilute the product by drinking water; consult a physician if symptoms develop. Never-give anything by mouth if victim is unconscious, is rapidly-losing consciousness, or is convulsing.



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SECTION: 5. FIRE FIGHTING MEASURES

Flammability (OSHA)	Not known to be flammable, combustible, pyrophoric or explosive
Recommended Extinguishing Media:	Not applicable. Choose media suitable for surrounding material
Flash Point:	200° C or 392° F. No auto-ignition temperature.
Fire / Explosion Hazards:	Material will not ignite or burn
Hazardous Combustion Products:	Carbon monoxide (CO), Carbon Dioxide (CO ₂)
Fire Fighting Instructions:	In case of fire, use normal firefighting procedures and equipment.

SECTION: 6. ACCIDENTAL RELEASE MEASURES

Spillage:	Absorb spills, cover with an inert, non-combustible, inorganic absorbent material, and remove to an approved disposal container.
Environment:	Water soluble. Keep away from drains, surface and ground water. Notify downstream users of any possible contamination if released into water system

SECTION: 7. HANDLING AND STORAGE

Handling:	Do not take internally. Do not eat or drink when handling. Warm gently and mix well prior to using. Wear safety glasses and gloves.
Storage:	Store in cool (ideally 15° C – 25° C), dry, well-ventilated area, in tightly closed container and away from strong oxidizing materials

SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

No data found for exposure limits. Wear safety glasses with side shields, impermeable gloves and impervious clothing

SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown liquid.
Odor:	Characteristic slight odor.
Solubility:	Soluble in water.
Specific Gravity:	1.05 @ 20°C
pH:	5.0 – 6.0
Heavy Metals:	< 20 ppm
Boiling Point:	105°C
Pathogens:	100 OPG max. Pathogens absent.

SECTION: 10. STABILITY AND REACTIVITY

Stability and Reactivity Summary:	Stable under normal conditions. Will not undergo hazardous polymerization. Not sensitive to mechanical shock or static discharge
Conditions to avoid:	High temperatures and contact with oxidizing agents
Hazardous decomposition products:	Carbon monoxide (CO), Carbon Dioxide (CO ₂)

SECTION: 11. TOXICOLOGICAL INFORMATION

Eye Irritation:	May irritate eyes if left in for long periods of time.
Skin Irritation:	Not irritating or sensitizing to skin
Reproductive, Development, Sub-chronic / Chronic Toxicity:	No reported cases of reproductive or developmental toxicity. Not known to cause subchronic or chronic toxicity



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Carcinogenicity / Mutagenicity: Not known to be carcinogenic or mutagenic.
Oral LD50 value: >5.0g/kg
Dermal LD50 value: >2.0g/kg

SECTION: 12. ECOLOGICAL INFORMATION

No data.

SECTION: 13. DISPOSAL CONSIDERATION

Spent or discarded material is not expected to be hazardous. As a non-hazardous liquid waste, it should be disposed of in accordance with local, provincial and federal regulations.

SECTION: 14. TRANSPORT INFORMATION

Not regulated as a hazardous material (DOT, IMDG, IATA)

SECTION: 15. REGULATORY INFORMATION

WHMIS Hazard Classification (Canada): Not established.
Toxic Substance Control Act (TSCA): Used for formulating cosmetics and thus exempt from TSCA regulations.

HMIS:	Health	Flammability	Physical/Instability	PPI/special Hazard
	0	0	0	N/A

SECTION: 16. OTHER INFORMATION

Revision Date: September 14, 2011

SECTION: 17. DISCLAIMER

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CERTIFICATE OF ANALYSIS

Product: Phytokeratin - Naturally Derived Active
Lot. No.: 33004-A13
Manufacturing Date: July 2011
Best Before: July 2012

<u>Property</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Clear to hazy, amber to brown liquid.	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Soluble in water.	Complies
pH:	5.0 – 6.0 @ 25°C	Complies
Heavy Metals:	< 20ppm	Complies
Microbial Content:	100 OPG max	No Pathogens found

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