

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Liquid Crystal Concentrate Base
Country of Origin	:	United Kingdom
Product use	:	Skin Cleanser
Supplier	:	New Directions Aromatics Inc.
Address	:	6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9
Fax	:	905-362-1926
Telephone number	:	905-362-1915
Emergency phone number	:	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Skin Sensitization - Category 1/1A/1B

Skin Corrosion/Irritation - Category 2

Serious eye damage/eye irritation - Category 1

Acute toxicity oral - Category 4.

Hazardous to the aquatic environment, Acute - Category 1

Hazardous to the aquatic environment, Chronic - Category 2.

GHS Label elements, including precautionary statements

Signal: Danger

Hazard statement(s)

H315	Causes skin irritation.
H318	Causes serious eye damage
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long-lasting effects

Precautionary statement(s)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash ... thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.

P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists get medical advice/attention.
P402+P404	Store in a dry place. Store in a closed container.
P501	Dispose of contents/container according to local regulations.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Aqua	7732-18-5	231-791-2	> 50%
Sodium Laureth Sulfate	68891-38-3	500-234-8	25 - 50%
Propylene Glycol	57-55-6	200-338-0	1 - 5%
Sodium chloride	7647-14-5	231-598-3	1 - 5%
Cocamine oxide	68955-55-5	273-281-2	1 - 5%
Cocamidopropyl Betaine	97862-59-4	308-107-7	1 - 5%
Citric acid	77-92-9	201-069-1	0.1 - 0.5%
Tetrasodium EDTA	64-02-8	200-573-9	0.1 - 0.5%
Polyquaternium- 7	26590-05-6	N/A	0.1 - 0.5%
Magnesium nitrate	10377-60-3	233-826-7	< 0.1%
Magnesium chloride	7786-30-3	232-094-6	< 0.1%
Methylchloroisothiazolinone	55965-84-9	911-418-6	< 0.1%
Methylisothiazolinone *	55965-84-9	911-418-6	< 0.1%

* Total of 9 ppm active isothiazolinone.

4. FIRST AID MEASURES

Eye contact

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Skin contact

Wash area off with water. If irritation occurs, get medical attention.

Inhalation

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

Ingestion

Seek medical attention or contact local poison control center.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Suitable extinguishing media for the surrounding fire should be used.

Special protective equipment and precautions for fire-fighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

Resulting gases

In combustion emits toxic fumes.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid the formation or spread of dust in the air.

Conditions for safe storage, including any incompatibilities

Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes

Use tightly sealed goggles.

Skin

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

Ingestion

Not for ingestion.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Colorless to slightly hazy viscous liquid.
Odor	:	Characterstic odor.
pH	:	6 - 8
Solubility (ies)	:	Miscible.

10. STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability

Chemically stable.

Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.

Conditions to avoid

Sources of ignition. Humidity.

Incompatible materials

Strong oxidizing agents, Strong acids.

Hazardous decomposition products

In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Sodium Alkyl Ether Sulphate

Oral: LD50 (rat) - 4000 mg/kg.

Cocamine Oxide

Dermal: LD50 (rat) - Greater than 2000 mg/kg.

Oral: LD50 (rat) - 2820 mg/kg

Cocamidopropyl Betaine

Dermal: calculated - Greater than 5000 mg/kg

Oral: LD50 (rat) - Greater than 2000 mg/kg.

Oral: Calculated (rat) - Greater than 5000 mg/kg

Inhalation

There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Skin contact

There may be irritation and redness at the site of contact.

Eye contact

There may be irritation and redness. The eyes may water profusely.

Ingestion

There may be soreness and redness of the mouth and throat.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Sodium Alkyl Ether Sulphate - Fish: 96H LC50 - 1 to 10 mg/l; Cocamine Oxide - Algae 72 Hr ErC50 - 0.19 mg/l;

Daphnia magna - 48Hr EC50 - 2.4 mg/l; Rainbow Trout (*Oncorhynchus mykiss*) - 96Hr LC50 - 1.26 mg/l.

Cocamidopropyl Betaine: Algae 72 Hr ErC50 - 2.4 mg/l; Daphnia magna - 48Hr EC50 - 1.9 mg/l; Fish - 96Hr LC50 - 1.11 mg/l.

Persistence and degradability

Generally biodegradable.

Bio - accumulative potential

No bioaccumulation potential.

Mobility in soil

Readily absorbed into soil.

Other adverse effects

Negligible ecotoxicity.

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

14. TRANSPORT INFORMATION

US DOT Shipping Description (Land)

Not regulated

IMO-IMDG Shipping Description (Sea)

Not regulated

IATA Shipping Description (Air)

Not regulated

15. REGULATORY INFORMATION

WHMIS Classification

Not WHMIS controlled.

GHS Hazard Statements

See Section 2.

GHS Precautionary Statements

See Section 2.

16. OTHER INFORMATION

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Disclaimer & Caution

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