

*L Melpy*

Edition Date:	7/09/98
Supersedes:	N/A

## Material Safety Data Sheet

### Company Identification

Name: Address:	Neoteric Cosmetics, Inc. 4880 Havana Street Denver, CO 80239	24 Hr. Contact Name:	Chemtrec
		24 Hr. Emergency No.	1-800-424-9300
			1-318-232-6838 for non-emergency information

### Chemical Identification

Trade Name:	Retinol Night ResQ	Synonyms:	C116B-10
Chemical Name:	Retinol Cream, 0.15%	CAS Registry Number(s):	68-26-8 <sup>A</sup>
Molecular Formula:	N/A		

### Hazardous Ingredients

Material or Components:	Hazard Data:
Retinol 0.15% (Vitamin A Alcohol)	Moderately Toxic

### Shipping Information

DOT Shipping Name:	N/A
ID Number:	N/A
Hazard Classification:	N/A

### Physical Properties

Boiling Point/Range, °C/°F:	N/A <sup>A</sup>	Solubility in H <sub>2</sub> O:	Insoluble <sup>A</sup>
Melting/Freezing Point, °C:	61-64°C <sup>A</sup>	Vapor Pressure:	N/A <sup>A</sup>
Specific Gravity (H <sub>2</sub> O) = 1:	N/A <sup>A</sup>	Vapor Density (Air = 1):	N/A <sup>A</sup>
Evaporation Rate:	N/A <sup>A</sup>	% Volatiles by Volume:	N/A <sup>A</sup>
Flammability:	N/A <sup>A</sup>	Appearance & Odor:	Yellow Crystals <sup>A</sup>

A: For Pure Retinol

### Fire and Explosion Data

Flash Point, °C/°F

N/A

Extinguishing Media:

Dry chemical, carbon dioxide, water spray or foam.

Special Fire Fighting Procedures:

Avoid breathing hazardous vapors, keep upwind. Use water to keep fire exposed containers cool.

Unusual Fire & Explosion Hazards:

None. Slight fire hazard when exposed to heat or flame.

### Reactivity Data

Stability:

Product stable under normal conditions

Conditions Contributing to Instability:

Air, oxygen, heat

Incompatibility (avoid contact with):

No data available

Hazardous Decomposition Products:

No data available

Conditions to Avoid:

Heat

### Spill or Leak

Steps to be Taken if Material is Released or Spilled:

Scoop or shovel product into a suitable labeled open head drum. Secure drum cover and move to a safe holding oven. Clean spill area thoroughly with absorbent parts.

Disposal Procedure:

Dispose of material and soaked absorbent in an incinerator which has required state and federal permits. Do not flush spilled material into sewer.

Precautions to be Taken in Handling and Storing:

Avoid skin contact or ingestion of material. Wash thoroughly with soap and water after accidental contact.

Other Precautions:

Not applicable.

## Toxicity

### Toxicity of Components:

Acute oral LD<sub>50</sub> (rat) is 2570 mg/kg at 10 days for pure retinol. This is equivalent to about 860 gm/kg of the product.

### Carcinogenicity:

Not available.

### Reproductive Effects:

Published studies indicate retinol may be a teratogen in mice, rats, rabbits, hamsters, guinea pigs, dogs, pigs and monkeys. Other retinoids are known to cause birth defects in animals and humans.

## Health Hazard Information

### Effects of Exposure:

#### Inhalation:

Not applicable

#### Skin Contact:

Possibly irritating with excessive exposure.

#### Eye Contact:

Irritation.

#### Skin Absorption:

Irritation and possible hypervitaminosis A.

#### Ingestion:

May cause lethargy, irritability, headache, peeling of skin, vomiting.

#### Chronic Effects:

Hypervitaminosis A, characterized by dry, itchy skin, disturbed hair growth, headache, loss of appetite, bone fractures, vomiting, liver affects.

### Target Organs:

Liver.

### Emergency First Aid:

#### Ingestion:

Give at least two glasses of water. Get medical attention. Do not force unconscious person to drink.

#### Skin Contact:

Wash with soap and water. Get medical attention if skin is irritated.

#### Eye Contact:

Flush with plenty of water. Get medical attention if the eyes are irritated.

#### Inhalation:

Not applicable

### Special Protection Information

#### Ventilation Requirements:

No specific requirements for use of the product.

Eye:

Not applicable

Hand (Glove Type):

Not applicable

Respirator Type (use only NIOSH/MESA approved equipment):

Not applicable

#### Other Protective Equipment:

Not applicable.

### Label Precautions

#### Hazard Code:

Health:

N/A

Reactivity:

N/A

Flammability:

N/A

Contact:

N/A

#### Precautionary Labeling:

#### Other Storage and Handling Conditions:

The above information is accurate to the best of my knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use or misuse are beyond our control, Neoteric Cosmetics, Inc., MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should satisfy himself that he has all current data relevant to his particular use.

Neoteric Cosmetics, Inc.