

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 09/21/2018

Reviewed on 09/21/2018

1 Identification

- **Product Identifier**
- **Trade Name: NeoStrata Comprehensive Retinol 0.3% Night Serum**
Exuviance Professional Retinol Serum
WORKS Beauty Retinol Complex
- **Product Number:** FLA#: 345-155
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** Cosmetics, personal care products
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
NeoStrata Company Inc.
307 College Road East
Princeton, NJ 08540
Phone: +1-609-520-0715
Fax: +1-609-986-1928
www.neostrata.com
- **Responsible Person:** NeoStrata UG, DE-41470 Neuss
- **Emergency telephone number:** Chemtrec 1-800-424-9300 or outside USA 1-703-527-3887

2 Hazard(s) Identification

- **Classification of the substance or mixture:**
Aquatic Acute 3 H402 Harmful to aquatic life.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **Label elements:**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:** Non-Regulated Material
- **Signal word:** Non-Regulated Material
- **Hazard statements:**
H402 Harmful to aquatic life.
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements:**
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Unknown acute toxicity:**
This value refers to knowledge of known, established toxicological or ecotoxicological values.
28.3 % of the mixture consists of component(s) of unknown toxicity.
- **Hazard(s) not otherwise classified (HNOC):** None known

3 Composition/Information on Ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with non-hazardous additions.

Dangerous Components:

CAS: 141-62-8	Decamethyltetrasiloxane Flam. Liq. 4, H227	15-35%
CAS: 541-02-6	Decamethylcyclopentasiloxane Flam. Liq. 4, H227; Eye Irrit. 2B, H320; Aquatic Chronic 4, H413	15-35%

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CAS: 190085-41-7	2-hydroxybenzoic acid 2-butyloctyl ester Aquatic Chronic 4, H413	2-12%
CAS: 56-81-5 RTECS: MA 8050000	Glycerol	2-12%
CAS: 128-37-0 RTECS: GO 7875000	butylated hydroxytoluene ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302	≤2.5%
CAS: 68-26-8 RTECS: VH6750000	Retinol ⚠ Repr. 1A, H360; ⚠ Acute Tox. 4, H302; Eye Irrit. 2A, H319; Skin Sens. 1, H317; Aquatic Chronic 4, H413	≤2.5%

• **Additional information:**

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

• **Description of first aid measures**

• **General information:**

Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.

• **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

• **After skin contact:**

Generally the product does not irritate the skin.

If skin irritation occurs, consult a doctor.

• **After eye contact:**

If eye irritation occurs, consult a doctor.

Rinse opened eye for several minutes under running water.

• **After swallowing:** If swallowed and symptoms occur, consult a doctor.

• **Information for doctor**

• **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

• **Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

5 Fire-Fighting Measures

• **Extinguishing media**

• **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

• **For safety reasons unsuitable extinguishing agents:** No further relevant information.

• **Special hazards arising from the substance or mixture:**

Combustible liquid. Vapors can travel to a source of ignition and flash back.

Explosive mixtures may occur at temperatures at or above flashpoint.

• **Advice for firefighters**

• **Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

• **Personal precautions, protective equipment and emergency procedures:** Not required.

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• **Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/surface or ground water.

• **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
Dispose of the collected material according to regulations.

• **Reference to other sections:**

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

• **Protective Action Criteria for Chemicals**

• **PAC-1:**

56-81-5	Glycerol	45 mg/m ³
112945-52-5	Amorphous Silica	18 mg/m ³
122-99-6	2-Phenoxyethanol	1.5 ppm
139-33-3	Edetate Disodium - EDTA	11 mg/m ³

• **PAC-2:**

56-81-5	Glycerol	180 mg/m ³
112945-52-5	Amorphous Silica	100 mg/m ³
122-99-6	2-Phenoxyethanol	16 ppm
139-33-3	Edetate Disodium - EDTA	120 mg/m ³

• **PAC-3:**

56-81-5	Glycerol	1,100 mg/m ³
112945-52-5	Amorphous Silica	630 mg/m ³
122-99-6	2-Phenoxyethanol	97 ppm
139-33-3	Edetate Disodium - EDTA	730 mg/m ³

7 Handling and Storage

• **Handling**

• **Precautions for safe handling:**

Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

• **Information about protection against explosions and fires:** No special measures required.

• **Conditions for safe storage, including any incompatibilities**

• **Storage**

• **Requirements to be met by storerooms and receptacles:** No special requirements.

• **Information about storage in one common storage facility:** Not required.

• **Further information about storage conditions:** Keep receptacle tightly sealed.

• **Specific end use(s):** No further relevant information available.

8 Exposure Controls/Personal Protection

• **Additional information about design of technical systems:** No further data; see section 7.

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- **Control parameters:**
- **Components with occupational exposure limits:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

56-81-5 Glycerol	
PEL	Long-term value: 15* 5** mg/m ³ mist; *total dust **respirable fraction
TLV	TLV withdrawn-insufficient data human occup. exp.
128-37-0 butylated hydroxytoluene	
REL	Long-term value: 10 mg/m ³
TLV	Long-term value: 2* mg/m ³ *as inhalable fraction and vapor

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Personal protective equipment**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves:** Not applicable.
- **Penetration time of glove material:** Not applicable.
- **Eye protection:**



Tightly sealed goggles recommended in a manufacturing setting only.

- **Limitation and supervision of exposure into the environment:**
Keep away from drains, surface and ground waters.
Avoid release into the environment.

*** 9 Physical and Chemical Properties**

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** Cream
 - Color:** Opaque yellow to tan cream with small white particles of Polypore BHA Free evenly dispersed throughout.
- **Odour:** Characteristic
- **Odor threshold:** Not determined.
- **pH-value @ 20 °C (68 °F):** 5-8
- **Change in condition**
 - Melting point/Melting range:** Not determined.
 - Boiling point/Boiling range:** ≥90 °C (≥194 °F)

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- **Flash point:** None
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** ≥400 °C (≥752 °F)
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Not determined.
- **Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Vapor pressure @ 20 °C (68 °F):** ≤23 hPa (≤17.3 mm Hg)
- **Density:**
 - Relative density:** Not determined.
 - Vapor density:** Not determined.
 - Evaporation rate:** Not determined.
- **Solubility in / Miscibility with:**
 - Water:** Miscible
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
- **Solvent content:**
 - Organic solvents:** 6.5 %
 - Water:** 38.4 %
 - VOC content:** 1.54 %
 - Solids content:** 10.1 %
- **Other information:** No further relevant information available.

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Heat, flame and ignition sources.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

541-02-6 Decamethylcyclopentasiloxane

Oral	LD50	>5,000 mg/kg (Rat)
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Dermal	LD50	>2,000 mg/kg (Rabbit)
Inhalative	LC50/4 h	8.67 mg/l (Rat)
56-81-5 Glycerol		
Oral	LD50	12,600 mg/kg (Rat)
Dermal	LD50	>10,000 mg/kg (Rabbit)
Inhalative	LC50/96 hours	>50,000 mg/l (Trout)
128-37-0 butylated hydroxytoluene		
Oral	LD50	890 mg/kg (Rat)
68-26-8 Retinol		
Oral	LD50	2,000 mg/kg (Rat)

• **Primary irritant effect:**

• **On the skin:** No irritating effect.

• **On the eye:** No irritating effect.

• **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

• **Carcinogenic categories:**

• **IARC (International Agency for Research on Cancer):**

Group 1 - Carcinogenic to humans

Group 2A - Probably carcinogenic to humans

Group 2B - Possibly carcinogenic to humans

Group 3 - Not classifiable as to its carcinogenicity to humans

Group 4 - Probably not carcinogenic to humans

112945-52-5	Amorphous Silica	3
128-37-0	butylated hydroxytoluene	3

• **NTP (National Toxicology Program):**

None of the ingredients are listed.

• **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

12 Ecological Information

• **Toxicity:**

• **Aquatic toxicity:**

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

68-26-8 Retinol

EC50 >100 mg/l (Daphnia)

• **Persistence and degradability:** No further relevant information available.

• **Behavior in environmental systems:**

• **Bioaccumulative potential:** No further relevant information available.

• **Mobility in soil:** No further relevant information available.

• **Ecotoxicological effects:**

• **Remark:** Harmful to fish

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- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.
Harmful to aquatic organisms
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport Information

- **UN-Number:**
- **DOT, ADR/ADN, ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:**
- **DOT, ADR/ADN, ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es):**
- **DOT, ADR/ADN, ADN, IMDG, IATA**
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

• Section 355 (extremely hazardous substances):	
None of the ingredients are listed.	
• Section 313 (Specific toxic chemical listings):	
122-99-6	2-Phenoxyethanol
• TSCA (Toxic Substances Control Act):	
141-62-8	Decamethyltetrasiloxane
541-02-6	Decamethylcyclopentasiloxane
56-81-5	Glycerol
25038-74-8	Polyamide (nylon) Composite

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7695-91-2	DL- α -Tocopherol acetate
68937-54-2	PEG-10 Dimethicone
128-37-0	butylated hydroxytoluene
7200-25-1	DL-arginine
122-99-6	2-Phenoxyethanol
68-26-8	Retinol
9005-64-5	Polysorbate 20
1117-86-8	octane-1,2-diol
11138-66-2	Xanthan Gum
9005-66-7	Polyoxyethylenesorbitan monopalmitate (Polysorbate 40)
4390-04-9	2,2,4,4,6,8,8-Heptamethylnonane
139-33-3	Edetate Disodium - EDTA
7732-18-5	Water, distilled water, deionized water
• TSCA new (21st Century Act) (Substances not listed)	
190085-41-7	2-hydroxybenzoic acid 2-butyloctyl ester
68-26-8	Retinol
• California Proposition 65:	
• Chemicals known to cause cancer:	
None of the ingredients are listed.	
• Chemicals known to cause reproductive toxicity for females:	
None of the ingredients are listed.	
• Chemicals known to cause reproductive toxicity for males:	
None of the ingredients are listed.	
• Chemicals known to cause developmental toxicity:	
68-26-8	Retinol
• New Jersey Right-to-Know List:	
56-81-5	Glycerol
128-37-0	butylated hydroxytoluene
• New Jersey Special Hazardous Substance List:	
None of the ingredients are listed.	
• Pennsylvania Right-to-Know List:	
56-81-5	Glycerol
128-37-0	butylated hydroxytoluene
• Pennsylvania Special Hazardous Substance List:	
None of the ingredients are listed.	
• Carcinogenic categories:	
• EPA (Environmental Protection Agency):	
None of the ingredients are listed.	
• TLV (Threshold Limit Value established by ACGIH):	
128-37-0	butylated hydroxytoluene

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• **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

• **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

• **Hazard pictograms:** Non-Regulated Material

• **Signal word:** Non-Regulated Material

• **Hazard statements:**

H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

• **Precautionary statements:**

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• **National regulations:**

None of the ingredients are listed.

• **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

• **Date of preparation / last revision:** 09/21/2018 / 4

• **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flam. Liq. 4: Flammable liquids – Category 4

Acute Tox. 4: Acute toxicity – Category 4

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B

Skin Sens. 1: Skin sensitisation – Category 1

Repr. 1A: Reproductive toxicity – Category 1A

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

• *** Data compared to the previous version altered.**

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