

## HydroComplex


Safety Data Sheet according to Federal Register / Vol. 77, No. 58  
/ March 26, 2012 / Rules and Regulation

Revision Date: 01-24-2017  
Supersedes: None

### 1 PRODUCT & COMPANY IDENTIFICATION

|                      |   |                                    |   |
|----------------------|---|------------------------------------|---|
| <b>Product Name:</b> | HydroComplex  | <b>Distributor:</b>                | MakingCosmetics.com Inc.                                  |
| <b>INCI Name:</b>    | Water, pentylene glycol, glycerin, fructose, urea, citric acid, sodium hydroxide, maltose, sodium PCA, sodium chloride, sodium lactate, trehalose, allantoin, sodium hyaluronate, glucose | <b>Address:</b>                    | 10800 231 <sup>st</sup> Way NE<br>Redmond, WA 98053 (USA) |
| <b>CAS Number:</b>   | 7647-14-5, 69-79-4, 50-99-7, 9067-32-7, 97-59-6, 28874-51-3, 77-92-9, 5949-29-1, 57-48-7, 56-81-5, 57-13-6, 5343-92-0   | <b>Phone / Fax:</b>                | 425-292-9502 / 425-292-9601                               |
| <b>Formula:</b>      | Not available   | <b>Web:</b>                        | www.makingcosmetics.com                                   |
| <b>Product Form:</b> | Liquid  | <b>Emergency Telephone Number:</b> | 1-800-424-9300 (Chemtrec)                                 |
| <b>Product Use:</b>  | Cosmetic use  |                                    |   |

### 2 HAZARDS IDENTIFICATION

|                                      |  |          |   |          |              |   |        |            |   |         |
|--------------------------------------|--|----------|---|----------|--------------|---|--------|------------|---|---------|
| <b>GHS Signal Word:</b>              | <b>DANGER</b>  |          |   |          |              |   |        |            |   |         |
| <b>GHS Hazard Pictograms:</b>        |   |          |   |          |              |   |        |            |   |         |
| <b>GHS Hazard Statements:</b>        | H318: Causes serious eye damage  |          |   |          |              |   |        |            |   |         |
| <b>GHS Precautionary Statements:</b> | P280: Wear protective gloves, eye/face protection<br>Response: P305 + P351 + P338 + P310 if in eyes: In case of eye contact, rinse with plenty of water and seek medical attention immediately.  |          |   |          |              |   |        |            |   |         |
| <b>Potential Health Hazards:</b>     |  |          |   |          |              |   |        |            |   |         |
| <b>Eyes:</b>                         | Causes serious eye irritation and eye damage.  |          |   |          |              |   |        |            |   |         |
| <b>Inhalation:</b>                   | May cause irritation of the respiratory tract.   |          |   |          |              |   |        |            |   |         |
| <b>Skin:</b>                         | Cause skin irritation  |          |   |          |              |   |        |            |   |         |
| <b>Ingestion:</b>                    | May cause irritation of the gastrointestinal tract.  |          |   |          |              |   |        |            |   |         |
| <b>NFPA Ratings (704):</b>           | <table border="0"> <tr> <td style="background-color: #0056b3; color: white;">Health</td> <td style="background-color: #0056b3; color: white;">2</td> <td>Moderate</td> </tr> <tr> <td style="background-color: #ff0000; color: white;">Flammability</td> <td style="background-color: #ff0000; color: white;">1</td> <td>Slight</td> </tr> <tr> <td style="background-color: #ffff00; color: black;">Reactivity</td> <td style="background-color: #ffff00; color: black;">0</td> <td>Minimal</td> </tr> </table> | Health   | 2 | Moderate | Flammability | 1 | Slight | Reactivity | 0 | Minimal |
| Health                               | 2  | Moderate |   |          |              |   |        |            |   |         |
| Flammability                         | 1  | Slight   |   |          |              |   |        |            |   |         |
| Reactivity                           | 0  | Minimal  |   |          |              |   |        |            |   |         |
|                                      | Specific Hazard  |          |   |          |              |   |        |            |   |         |

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Component</u> | <u>Weight %</u>   |
|------------------|---|
| Mixture          | <p>The specific chemical identity and/or exact percentages of components in this mixture have been withheld as a trade secret in accordance with Title 29 of the U.S. Code of Federal Regulations 1910.1200.</p> <p>Remaining components are proprietary, non-hazardous, or present in amounts below reportable limits.</p> <p>1,2 Pentanediol: &gt;10 - &lt;20<br/>1,2,3 Propanetriol: &gt;5 - &lt;10<br/>1,2,3 Propanetricarboxylic acid, 2-hydroxy: &gt;1 - &lt;5<br/>Sodium hydroxide: &gt;1 &lt; 5</p> |

## 4 FIRST AID MEASURES

**Eyes:** In case of eye contact, rinse with plenty of water and seek medical attention immediately.

**Inhalation:** Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.

**Skin:** Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention immediately.

**Ingestion:** Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention immediately.

## 5 FIRE-FIGHTING MEASURES

**Flammability:** Product may be combustible at high temperatures. Auto-ignition temperature 545°C (1013°F), Flash points 157°C (314.6°F) CLOSED UP

**Products of Combustion:** Carbon oxides (CO, CO<sub>2</sub>)

**Suitable (and unsuitable) extinguishing media:** Small Fire: use dry chemical powder, Large Fire: Use water spray, fog or foam. Do not use water jet.

**Special protective equipment & precautions for firefighters:** Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

**Specific hazards:** Dust-air mixtures may pose an explosion hazard

## 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions:** See section 8 for recommendations on the use of personal protective equipment.

**Environmental precautions:** Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements

**Methods and material for containment and cleaning up:** Pick up and arrange disposal without creating dust. Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations

## 7 HANDLING & STORAGE

**Safe handling:** See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of dusts.

**Safe storage:** Store in cool, dry well ventilated area. Product is light-sensitive and moisture-sensitive. Keep away from incompatible materials such as oxidizing agents and moisture.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

| <u>Component</u>   | <u>Exposure Limits</u> | <u>Basis</u> | <u>Entity</u>        |
|--------------------|------------------------|--------------|----------------------|
| 1,2,3 Propanetriol | 10mg/m <sup>3</sup>    | Z1A          | TWA (total dust)     |
|                    | 5mg/m <sup>3</sup>     | Z1A          | TWA (resp. fraction) |
|                    | 15mg/m <sup>3</sup>    | Osha         | PEL (total dust)     |
|                    | 5mg/m <sup>3</sup>     | Osha         | PEL (resp. fraction) |
| Sodium Hydroxide   | 2mg/m <sup>3</sup>     | Z1A          | Ceiling              |
|                    | 2mg/m <sup>3</sup>     | Osha         | PEL                  |
|                    | 2mg/m <sup>3</sup>     | Niosh        | Ceil_time            |

TWA: Time Weighted Average over 8 hours of work.  
 TLV: Threshold Limit Value over 8 hours of work.  
 REL: Recommended Exposure Limit  
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health  
 WEEL: Workplace Environmental Exposure Levels  
 CEIL: Ceiling

### Personal Protection:

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

|                    |   |
|--------------------|---|
| <b>Inhalation:</b> | Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.   |
| <b>Skin:</b>       | Wear nitrile or rubber gloves, apron or lab coat.   |
| <b>Other:</b>      | Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling |

## 9 PHYSICAL AND CHEMICAL PROPERTIES

|                                     |                           |                          |                   |
|-------------------------------------|---------------------------|--------------------------|-------------------|
| <b>Appearance, Physical State:</b>  | Clear liquid              | <b>pH Value:</b>         | Approx. 5.5       |
| <b>Odor:</b>                        | Characteristic            | <b>Relative Density:</b> | 1.08-1.09 at 20oC |
| <b>Color:</b>                       | Colorless to light yellow | <b>Vapor Pressure:</b>   | Not available     |
| <b>Medium Particle Size:</b>        | Not available             | <b>Flash Point:</b>      | >100°C (>212°F)   |
| <b>Molecular Weight:</b>            | Not available             | <b>Solubility:</b>       | Water-soluble     |
| <b>Specific Surface Area (BET):</b> | Not available             | <b>Melting Point:</b>    | Not available     |
| <b>Boiling Point:</b>               | Not available             |                          |                   |

## 10 STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>Reactivity:</b>                       | Stable under normal temperatures and pressures. Moisture sensitive. Light sensitive. Darkens on exposure to light. |
| <b>Incompatibilities:</b>                | Oxidizing agents, lead acetate, iron salts, alkalis, iodine, spirit nitrous ether.                                 |
| <b>Hazardous Polymerization:</b>         | Will not occur   |
| <b>Conditions to Avoid:</b>              | High temperatures, incompatible materials, light, moisture, strong oxidants.                                       |
| <b>Hazardous Decomposition Products:</b> | Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.   |

## 11 TOXICOLOGICAL INFORMATION

|                               |  |
|-------------------------------|--|
| <b>Acute Toxicity:</b>        | Estimate: >5,000mg/kg (calculation method)   |
| <b>Skin Corrosion:</b>        | Humans: exposure time 48h, closed patch test, concentration 20%, GLP: yes, result: no irritation   |
| <b>Sensitization:</b>         | Humans: test type HRIPT, concentration 20%, GLP: yes, result: no sensitizing effect  |
| <b>Carcinogenicity:</b>       | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC, OSHA, and NTP |
| <b>Teratogenicity:</b>        | No data available  |
| <b>Mutagenicity:</b>          | No data available  |
| <b>Sensitizing:</b>           | No data available  |
| <b>Reproductive Toxicity:</b> | No data available  |

## 12 ECOLOGICAL INFORMATION

|                          |                   |
|--------------------------|-------------------|
| <b>Ecotoxicity:</b>      | No data available |
| <b>Environmental:</b>    | No data available |
| <b>Mobility in Soil:</b> | No data available |

## 13 DISPOSAL CONSIDERATIONS

|                               |  |
|-------------------------------|--|
| <b>Waste Residues:</b>        | Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. |
| <b>RCRA P &amp; U-Series:</b> | None listed  |

**14 TRANSPORT INFORMATION**

|  |   |
|--|---|
| <b>DOT (Dept. of Transportation, USA):</b>               | Not classified as dangerous in the meaning of transport regulations |
| <b>TDG (Transportation of Dangerous Goods, Canada):</b>  | Not classified as dangerous in the meaning of transport regulations |
| <b>ICAO (International Civil Aviation Organization):</b> | Not classified as dangerous in the meaning of transport regulations |

**15 REGULATORY INFORMATION**

|                               |  |
|-------------------------------|--|
| <b>TSCA Inventory Status:</b> | This product is regulated under the U.S. Food & Drug Act (FDA)   |
| <b>SARA 302</b>               | No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302 |
| <b>SARA 304</b>               | This material does not contain any components with a section 304 EHS RQ                                |
| <b>SARA 311/312 Hazards:</b>  | Acute health hazard  |

**16 OTHER INFORMATION**

|                       |  |
|-----------------------|--|
| <b>Revision Date:</b> | 01-24-2017   |
| <b>Compliance:</b>    | This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200   |
| <b>Disclaimer:</b>    | This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use. |