

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

Product Name:	HydroComplex	Distributor:	MakingCosmetics.com Inc.
INCI Name:	Water, pentylene glycol, glycerin, fructose, urea, citric acid, sodium hydroxide, maltose, sodium PCA, sodium chloride, sodium lactate, trehalose, allantoin, sodium hyaluronate, glucose	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
CAS Number:	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	Phone / Fax:	425-292-9502 / 425-292-9601
Formula:	Not available	Web:	www.makingcosmetics.com
Product Form:	Liquid	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)
Product Use:	Cosmetic use		

2 HAZARDS IDENTIFICATION

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

Component	Weight %
Mixture	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. Remaining components are proprietary, non-hazardous, or present in amounts below reportable limits. 1,2 Pentanediol: >10 - <20 1,2,3 Propanetriol: >5 - <10 1,2,3 Propanetricarboxylic acid, 2-hydroxy: >1 - <5 Sodium hydroxide: >1 < 5

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 ₂)
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

Component	Exposure Limits	Basis	Entity
1,2,3 Propanetriol	10mg/m ³	Z1A	TWA (total dust)
	5mg/m ³	Z1A	TWA (resp. fraction)
	15mg/m ³	Osha	PEL (total dust)
	5mg/m ³	Osha	PEL (resp. fraction)
Sodium Hydroxide	2mg/m ³	Z1A	Ceiling
	2mg/m ³	Osha	PEL
	2mg/m ³	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.
Inhalation:	Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.
Skin:	Wear nitrile or rubber gloves, apron or lab coat.
Other:	Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling

9 PHYSICAL AND CHEMICAL PROPERTIES

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

10 STABILITY AND REACTIVITY

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

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Estimate: >5,000mg/kg (calculation method)
Skin Corrosion:	Humans: exposure time 48h, closed patch test, concentration 20%, GLP: yes, result: no irritation
Sensitization:	Humans: test type HRIPT, concentration 20%, GLP: yes, result: no sensitizing effect
Carcinogenicity:	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
Teratogenicity:	No data available
Mutagenicity:	No data available
Sensitizing:	No data available
Reproductive Toxicity:	No data available

12 ECOLOGICAL INFORMATION

Ecotoxicity:	No data available
Environmental:	No data available
Mobility in Soil:	No data available

13 DISPOSAL CONSIDERATIONS

Waste Residues:	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.
RCRA P & U-Series:	None listed

14 TRANSPORT INFORMATION

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

15 REGULATORY INFORMATION

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

16 OTHER INFORMATION

Revision Date:	01-24-2017
Compliance:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer:	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.