

Section 1: Identification

1.1 Product identification

Product identifier : Mixture
Product name : MEDILOOK α Scalp Shampoo
Product code : Not available
Recommended uses : Cosmetics – Hair Care Product
Restrictions on uses : No information available

1.2 Identification of company

Manufacturer/Supplier name : Hoyu America Co.
Division :
Address : 6265 Phyllis Drive Cypress, CA 90630 US
Telephone number : 714-230-3000
FAX number : 714-230-3060
E-mail : info@hoyu-usa.com

1.3 Emergency telephone number : 1-800-848-4980

1.4 Reference number :

Section 2: Hazard Identification

2.1 Classification of the substance or mixture

2.1.1 Physico-Chemical hazard

2.1.2 Health Hazard

Acute Toxicity (oral) : Not classified
Skin Corrosion/Irritation : Category 3
Serious Eye Damage/Eye Irritation : Not classified
Reproductive Toxicity : Not classified
Specific Target Organ Toxicity (single exposure) : Category 2
Specific Target Organ Toxicity (repeated exposure) : Not classified
Aspiration Hazard : Not classified

2.1.3 Environmental Hazard

* For those not listed on “2.1 Classification of the Substance or Mixture” are either “Not Applicable” or “Classification not Possible.”

* Hazard identification is made according to the 2012 OSHA communication Standard (29 CFR 1910.1210) and GHS rev. 6.

2.2 Label Element

Hazard Pictograms :



Signal Word : Warning

Hazard Statement : H316 Causes mild skin irritation.
H371 May cause damage to organs, digestive system.

Precautionary Statement

General Precautions : P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

Preventions : P260 Do not breathe dusts /fume /gas /mist /vapors / spray.

P264 Wash face, hands and any exposed skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

Responses : P332+P313 If skin irritation occurs: Get medical

		P308+P311	advice/attention. IF exposed or concerned: Call a POISON CENTER/doctor.
Storage	:	P405	Store locked up.
Disposal	:	P501	Dispose of contents/container to an approved waste disposal plant in accordance with local/regional/national/international regulations.

2.3 Other hazards

- 4.93 % of the mixture consists of ingredient(s) of unknown acute toxicity (oral).
- Harmful to aquatic life with long lasting effects.
- Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
- Use of alcoholic beverages may enhance toxic effects.

Section 3: Composition/Information on Ingredients

3.1 Substance :

Chemical Name	CAS No.	Concentration (w/w %)
Not applicable	Not applicable	Not applicable

3.2 Mixtures :

Chemical Name	CAS No.	Concentration (w/w %)
CITRIC ACID	5949-29-1	0.1 – 1
DIPROPYLENE GLYCOL	25265-71-8	1 – 5
METHYLPARABEN	99-76-3	0.1 – 1
SODIUM C14-16 OLEFIN SULFONATE	68439-57-6	0.1 – 1
SODIUM LAURETH SULFATE	9004-82-4	5 – 10

Section 4 : First-aid Measures

4.1 Description of First Aid Measures

- Inhalation : Remove to fresh air. Get medical attention immediately if symptoms occur.
- Skin Contact : Wash off immediately with soap and plenty of water for at least 15 minutes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
- Eye Contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. Seek immediate medical attention/advice.
- Ingestion : Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. DO NOT induce vomiting. Call a physician.

4.2 Most Important Symptoms/Effects

- Acute : Burning sensation, itching, rashes, and/or hives.
- Delayed : Burning sensation, itching, rashes, and/or hives.

4.3 Protection for Person who gives First-Aids

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

4.4 Indication of Immediate Medical Attention and Special Treatment Needed

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required. May cause sensitization of susceptible persons. Treat symptomatically.

Section 5: Fire-Fighting Measures

5.1 Extinguishing Media

- Suitable Extinguishing Media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

- Inappropriate Extinguish Media : No information available.
- 5.2 Specific Hazards Arising from the Chemicals : Thermal decomposition can lead to release of irritating gases and vapors.
- 5.3 Special Extinguishing Method : Sensitivity to mechanical impact: No
Sensitivity to static discharge: No
- 5.4 Special Protective Actions for Fire-fighter : As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

- 6.1 Personal Precautions, Protective Equipment and Emergency Procedures
- Protective Equipment : Refer to protective measures listed in Section 7 and 8. Prevent further leakage or spillage if safe to do so.
- Appropriate Procedure : Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.
- Emergency Procedure : Evacuate personnel to safe areas.
- 6.2 Environmental Precautions : Refer to protective measures listed in Section 7 and 8. Prevent further leakage or spillage if safe to do so.
- 6.3 Methods and Materials for Containment and Cleaning up
- For Containment : Prevent further leakage or spillage if safe to do so.
- For Cleaning up : Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.
- Other Information : Not available

Section 7: Handling and Storage

- 7.1 Precautions for Safe Handling
- General Precautions : Use personal protection equipment. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.
- General Hygiene : Do not eat, drink or smoke when using this product.
- 7.2 Conditions for Safe Storage
- General Information : Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.
- Storage Conditions : Do not store with reductant or oxidizing agents and/or strong bases.
- Other Information : Not available

Section 8: Exposure Controls/Personal Protection

- 8.1 Occupational Exposure Limits : No ingredient listed on section 3 is subject to the occupational exposure limits.
- 8.2 Engineering Controls : Showers
Eyewash station
Ventilation system
- 8.3 Individual Protection Measures
- Eye/Face Protection : Tight sealing safety goggles.
- Skin Protection : Wear protective gloves and protective clothing. Long sleeved clothing. Impervious gloves.
- Respiratory Protection : No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
- Thermal Hazard : Not available
- Other Requirements : Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when

using this product. Wash hands before breaks and immediately after handling the products.

Section 9: Physical and Chemical Properties

Physical State	: Liquid	
Color	: Colorless to Clear yellow	
Odor	: Fragrant odor	
pH	: 4.8 – 5.8	pH meter (100 %, 25 °C)
Melting/Freezing Point	: No data available	Not known
Initial Boiling Point and Boiling Range	: No data available	Not known
Flash Point	: No data available	Not known
Evaporation Rate	: No data available	Not known
Flammability (Solid, Gas)	: No data available	Not known
Upper/lower Flammability or Explosive Limits	: No data available	Not known
Vapor Pressure	: No data available	Not known
Density	: No data available	Not known
Relative Vapor Density	: No data available	Not known
Solubility	: Completely soluble in water	Not known
Partition Coefficient: n-octanol/water	: No data available	Not known
Autoignition temperature	: No data available	Not known
Decomposition temperature	: No data available	Not known
Viscosity	: 300 – 1200 mPa·s	Type B viscometer (No. 3 rotor/60 rpm/1 min/25 °C)
Kinetic viscosity	: No data available	Not known
Particle characteristics	: No data available	Not known
Explosive property	: No data available	Not known
Oxidizing property	: No	
VOC contents (%)	: No data available	
Other Information	: No information available	

Section 10: Stability and Reactivity

Reactivity	: No data available
Chemical Stability	: Stable under recommended storage conditions.
Possibility of Hazardous Reactions	: None under normal processing.
Conditions to Avoid	: None known
Incompatible Materials	: Metals such as iron, copper, brass and aluminum, etc. Reductant agents, oxidizing agents, strong alkalis and acids.
Hazardous Decomposition Products	: None

Section 11: Toxicological Information

Information on Toxicological Effects

Acute Toxicity	:
CITRIC ACID	: LD50 (oral, rat) = 375 mg/kg
SODIUM C14-16 OLEFIN SULFONATE	: LD50 (oral, rat) = 578 mg/kg
SODIUM LAURETH SULFATE	: LD50 (oral, rat) = 1600 mg/kg
Skin Corrosion/Irritation	:
SODIUM LAURETH SULFATE	: HSDB (2002) reported that there are skin irritations and dryness on human for a prolonged occupational contact and irritation was observed on skin of guinea pig and rabbit.
Serious Eye Damage/Irritation	:
CITRIC ACID	: Mild irritant on rabbit eye at 5mg with rinsing after 30 seconds.

SODIUM C14-16 OLEFIN SULFONATE	Eye irritation test on rabbit (OECD TG 405) showed irritation, but recovered within 7 days. (SIDS, 2009)
SODIUM LAURETH SULFATE	Moderate to severe irritant (rabbit, Draize, 24 hrs.) (RTECS, 1997 and RTECS, 1999).
Respiratory or Skin Sensitization	: No information available.
Germ Cell Mutagenicity	: No information available.
Carcinogenicity	: No information available.
Reproductive Toxicity	:
SODIUM C14-16 OLEFIN SULFONATE	Reproduction test on rabbit showed decrease in weight, increase in skeletal malformation and mutation on fetus at doses showing toxicity on female (death 1/13, asitia, diarrhea). Also, reproduction test on mice showed death and teratosis on palatoschisis at doses showing toxicity on female such as piloerection and decrease in activity. (SIDS, 2009)
STOT – Single Exposure	:
SODIUM C14-16 OLEFIN SULFONATE	Rat that orally ingest 1500 – 4000 mg/kg showed recoverable Clonic convulsions, crouching position, decubitus posture, piloerection, hunchback position, abnormality of gait, and/or torpidity (SIDS, 2009).
SODIUM LAURETH SULFATE	Nausea, vomiting and diarrhea are observed by ingestion as human acute toxic symptom (HSDB, 2002).
STOT – Repeated Exposure	: No information available.
Aspiration Hazard	:
SODIUM LAURETH SULFATE	There is a report on causing edema on upper respiratory tract and breathing difficulties on human due to inhalation (HSDB, 2002).
Information on the Likely Routes of Exposure	
Inhalation	: Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	: Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Severely irritating to eyes. Cause serious eye damage. May cause burns. May cause irreversible damage to eyes.
Skin contact	: Specific test data for the substance or mixture is not available. Ingestion may cause irritation based on components. Irritating to skin. Prolonged contact may cause redness and irritation.
Ingestion	: Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be harmful if swallowed (based on components).
Symptoms related to the Physical, Chemical and Toxicological Characteristics	: Erythema (skin redness). May cause redness and tearing of the eyes. May cause blindness. Burning, itching, rushes and/or hives.
Delayed, Immediate, and Chronic Effects from Short and Long Term Exposure	: May cause sensitization of susceptible persons. May cause sensitization by skin contact.
Carcinogenicity	: No ingredient formulated in this product is classified as carcinogen at agencies such as ACGIH, IARC, NTP and/or OSHA.
Other Information	: No information available.

Section 12: Ecological Information

Toxicity on Aquatic Organisms	:
METHYLPARABEN	EC50 (Daphnia magna, 48 hrs.) = 36 mg/L (MOE, 1999)
SODIUM C14-16 OLEFIN	LC50 (Danio rerio, 96 hrs.) = 2.6 mg/L (SIDS, 2009)

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SULFONATE
 SODIUM LAURETH SULFATE EC50 (Ceriodaphnia quadrangular, 48 hrs.) = 3.12 mg/L (AQUIRE, 2008)

Toxicity on Terrestrial Organisms : No information available.
 Persistence and Degradability :

METHYLPARABEN Category 3 on acute environmental toxicity and no rapid degradability reported.

SODIUM LAURETH SULFATE Acute environmental toxicity was classified as category 2 and there are no rapid degradability reported.

Bioaccumulative Potential : No information available.
 Mobility in Soil : No information available.
 Other Adverse Effects : No information available.

Section 13: Disposal Considerations

Product/Packaging Disposal : This material, as supplied, is not a hazardous waste according to Federal regulation (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Waste Treatment-Relevant Information : No information available.
 Sewage Disposal-Relevant Information : No information available.
 Other Disposal Recommendation : Dispose of contents/containers in accordance with local regulation (refer to Section 15).

Section 14: Transport Information

	DOT/TDG	IATA/ICAO	IMDG/IMO
UN Number	Not Regulated	Not Regulated	Not Regulated
UN Proper Shipping Name			
Transport Hazard Classes			
Packing Group			

DOT: US Department of Transportation
 TDG: UN model regulation of Transport of Dangerous Good
 IATA/ICAO: International Air Transport Association/International Civil Aviation Organization
 IMDG/IMO: International Maritime Dangerous Goods/International Maritime Organization

Environmental Hazards : No information available.
 Special Precautions for User : No information available.
 Transport in Bulk According to ANNEX II of MARPOL 73/78 and IBC Code : No information available.

Section 15: Regulatory Information

Safety, Health, and Environmental Regulations Specific for the Product

International chemical inventories
 Toxic substances control act (TSCA) : All components of this product are either listed or are exempt on the TSCA inventory.

Domestic Substance list (DSL) : Substances comply or are exempt.

US Federal Regulation
 Title III of the Superfund Amendments and Reauthorization act of 1986 (SARA 313) : Section 313 of Title III of the Superfund Amendments and Reauthorization act of 1986 (SARA). This product does not contain chemical which is subject to the reporting requirements of the act and title 40 of the Code of Federal

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Regulations (CFR), Part 372.

- SARA 311/312 : This product is exempt from the requirements of SARA 311/312, 40 CFR Part 370.
- Clean Water Act (CWA) : This product does not contain substance which is regulated as pollutant pursuant to the Clean Water Act (40 CFR 122).
- Clean Air Act (CAA) : This product does not contain substance which is regulated as pollutant pursuant to the Clean Air Act (40 CFR 50 - 99).
- Comprehensive Environmental Response Compensation and Liability Act (CERCLA) : This material, as supplied, does not contain substance regulated as hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (40 CFR 302).

US State Regulations

- California Hazardous Waste Code : 135 (unspecified aqueous solution)
 This product does not contain substance that is listed with the state of California as hazardous waste.
- California Proposition 65 : This product does not contain any Proposition 65 chemicals.
- US State Right-to-Know Regulations :

Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
DIPROPYLENE GLYCOL	-	-	X	X	-

Section 16: Other Information

- NFPA (National Fire Protection Association Code) : Health hazard 1
 Flammability hazard 0
 Instability hazard 0
 Special hazards -
- HMIS (Hazardous Materials Identification System) : Health 1
 Flammability 0
 Physical hazard 0
 Personal protection x

Reference :

- Globally Harmonized System of Classification and Labeling of Chemicals Revision 5, 2013
- National Institute of Technology and Evaluation (<http://www.nite.go.jp/en/index.html>)
- SDS provided from raw material manufactures
- United States Code (<http://uscode.house.gov/browse.xhtml>)
 - Title 21 Food and Drugs Chapter 9 Federal Food, Drug, and Cosmetic Act
 - Title 33 Navigation and Navigable Waters Chapter 26 Water Pollution Prevention and Control
 - Title 42 The Public Health and Welfare Chapter 85 Air Pollution Prevention and Control
 - Title 42 The Public Health and Welfare Chapter 103—Comprehensive Environmental Response, Compensation, and Liability
- Code of Federal Regulation (<https://www.gpo.gov/>)
 - 21 CFR parts 700 – 799 Cosmetics
 - 40 CFR Protection of Environment
- US Right-to-Know Regulation
 - New Jersey administrative code Title 8 Health Chapter 59 Work and community right to know act rules Appendix A and B
 - New Jersey Register Volume 42, Issue 15, 42 N.J.R. 1709(a), August 2, 2010
 - Code of Massachusetts Regulations 105 CMR 670.000 Right to know
 - The Pennsylvania Code Title 34 Labor and Industry Chapter 323 Hazardous Substance List
 - State of Rhode Island General Laws Chapter 28-21 Hazardous Substances Right-to-Know Act
 - Rhode Island Hazardous Substance List (<http://www.dlt.ri.gov/occusafe/pdfs/HazardousABC.pdf>)
 - Illinois Chemical Safety Act (430 ILCS 45)
 - Hazardous Materials Emergency Act (430 ILCS 50)

- i) Illinois Emergency Planning and Community Right to Know Act (430 ILCS 100)
7. Domestic Substance List (<http://www.ec.gc.ca/LCPE-CEPA/default.asp?lang=En&n=5F213FA8-1>)
8. TSCA Chemical Substance Inventory (<https://www.epa.gov/tsca-inventory>)
9. International Agency for Research on Cancer (<http://www.iarc.fr/>)
10. American Conference of Governmental Industrial Hygienists (<http://www.acgih.org/>)
11. US Environmental Protection Agency (<https://www3.epa.gov/>)
12. US Department of Labor, Occupational Safety and Health Administration (<https://www.osha.gov/>)
13. The National Institute for Occupational Safety and Health (<http://www.cdc.gov/niosh/about/default.html>)
14. US Department of Health and Human Services, National Toxicology Program (<https://ntp.niehs.nih.gov/>)
15. US Department of Transportation (<https://www.transportation.gov/>)
16. International Air Transport Association (<http://www.iata.org/Pages/default.aspx>)
17. International Civil Aviation Organization (<http://www.icao.int/Pages/default.aspx>)
18. International Maritime Organization (<http://www.imo.org/en/Publications/IMDGCode/Pages/Default.aspx>)
19. California Environmental Protection Agency (<http://oehha.ca.gov/>)
20. National Fire Protection Association (<http://www.nfpa.org/>)

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