

SAFETY DATA SHEET

1 – PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Liquid Hand Soap
Formula #: 41298
Issue Date: February 2016
Recommended Use: Personal care/Hand Soap
Manufacturer's Name & Address: Apollo Health and Beauty Care
1 Apollo Place
Toronto, Ontario, Canada M3J 0H2
Telephone No.: (416) 758-3700 **Fax:** (416) 758-3701
Website: www.apollocorp.com



2 – HAZARDOUS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS Label elements, including precautionary statements

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance: Blue/purple

Physical State: Viscous Liquid

Odor: Mild

Precautionary Statements – Prevention

Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements – Response

Specific treatment (see section 4)

Precautionary Statements – Storage

None

Precautionary Statements – Disposal

None

Hazards not otherwise classified (HNOC)

Not applicable

Other information

May cause slight eye irritation

Causes mild skin irritation

Interactions with Other Chemicals

No information available.

3 – COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No. | Weight % |
|------------------------|------------|------------|
| Sodium Laureth Sulfate | 68585-34-2 | 5.0 – 10.0 |
| Sodium Chloride | 7440-23-5 | 1.0 – 3.0 |
| Cocamidopropyl Betaine | 61789-40-0 | 1.0 – 3.0 |
| Other | | <1.0 |

4 – FIRST AID MEASURES

Eyes: Flush eyes immediately with copious amounts of water for at least 15 minutes holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness. Seek medical attention.

Skin: Wash thoroughly with soap and water. Remove contaminated clothing and footwear. Wash clothing prior to reuse. Seek medical attention if irritation should develop.

Inhalation: Move to fresh air. If symptoms persist, seek medical attention.

Ingestion: Have conscious patient drink several glasses of water. Keep the air passages clear. Do NOT induce vomiting. Seek medical help. Never give an unconscious patient anything by mouth.

Notes to Physician: Treat symptomatically.

SAFETY DATA SHEET

Liquid Hand Soap

5 – FIRE-FIGHTING MEASURES

Flammable Properties: Not flammable

Flash Point: Not available

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

Hazardous Combustion Products: Carbon oxides

Explosion Data:

Sensitivity to Mechanical Impact: No

Sensitivity to Static Discharge: No

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health Hazard 1

Flammability 0

Stability 0

Physical & Chemical Hazards: --

6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with eyes.

Environmental Precautions: Refer to protective measures listed in sections 7 and 8.

Methods of Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Keep in suitable, closed containers for disposal.

7 – HANDLING AND STORAGE

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

Storage: Keep tightly closed in a dry and cool place. Keep in properly labeled containers.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering controls

Engineering Measures: Showers, Eyewash stations, Ventilation systems

Personal Protective Equipment:

Eye/Face Protection : Tight fitting safety goggles.

Skin and Body Protection: No special protective equipment required

Respiratory Protection: No protective equipment is needed under normal conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required

Hygiene Measures: When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs.

9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue/purple

Physical State: Viscous liquid

Flash Point: No data available

Melting Point / Range: No data available

Evaporation Rate: No data available

Odor: Mild

pH: 6.5 – 7.5

Decomposition Temperature: No data available

Water Solubility: Soluble in water

Vaporation Rate: No data available

Odor Threshold: No data available

Viscosity: 5,000 – 15,000 cps

Boiling Point/Range: No data available

Solubility: No data available

Partition Coefficient:n-octanol/water: No data available

10 – STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Incompatible Products: Not known

Hazardous Polymerization: Does not occur

Conditions to avoid: Strong acids, strong bases, strong oxidizing agents

Hazardous Decomposition Products: Carbon oxides

11 – TOXICOLOGICAL INFORMATION

Acute toxicity:

Eye Contact: Irritating to eyes

Skin Contact: May cause irritation

Ingestion: No hazard from product as supplied. Ingestion may cause irritation to mucous membranes.

SAFETY DATA SHEET

Liquid Hand Soap

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------------------------|--------------------|----------------------|-----------------------------------|
| Sodium Laureth Sulfate 68585-34-2 | = 1288 mg/kg (Rat) | = 580 mg/kg (Rabbit) | >3900 mg/m ³ (Rat) 1 h |
| Cocamidopropyl Betaine 61789-40-0 | = 4900 mg/kg (Rat) | - | - |

Information on toxicological effects

Symptoms: Erythema (skin redness). Burning. May cause redness and tearing of the eyes.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization: No information available.

Mutagenic Effects: No information available.

Carcinogenicity: Contains no ingredient listed as a carcinogen.

Reproductive Toxicity: No information available.

STOT – single exposure: No information available.

STOT – repeated exposure: No information available.

Chronic Toxicity: No known effect based on information supplied. Carcinogenic potential is unknown.

Target Organ Effects: Eyes

Aspiration Hazard: No information available.

12 – ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|--------------------------------------|---|--|----------------------------|--|
| Citric Acid 77-92-9 | | LC50: 1516 mg/L (96 h static) <i>Lepomis macrochirus</i> | | EC50: 120 mg/L (72 h) <i>Daphnia magna</i> |
| Tetrasodium EDTA 64-02-8 | EC50: 1.01 mg/L (72 h) <i>Desmodesmus subspicatus</i> | LC50: 59.8 mg/L (96 h static) <i>Pimephales promelas</i> LC50: 41 mg/L (96 h static) <i>Lepomis macrochirus</i> | | EC50: 610 mg/L (24 h) <i>Daphnia magna</i> |
| Cocamidopropyl Betaine 83138-08-3 | 72h EC50: 1.0 – 10.0 mg/L (<i>Desmodesmus subspicatus</i>) 96h EC50: =0.55 mg/L (<i>Desmodesmus subspicatus</i>) | 96 h LC50: 1.0 – 10.0 mg/L (<i>Brachydanio rerio</i>) 96 h LC50: = 2 mg/L (<i>Brachydanio rerio</i>) | N/A | 48h EC50: = 6.5 mg/L |
| Sodium Chloride 7647-14-5 | N/A | LC50: 5560 – 6080 mg/L <i>Lepomis macrochirus</i> 96 h flow-through LC50: 12946 mg/L <i>Lepomis macrochirus</i> 96 h static LC50: 6020-7070 mg/L <i>Pimephales promelas</i> 96 h static LC50: 7050 mg/L <i>Pimephales promelas</i> 96 h semi-static LC50: 6420-6700 mg/L <i>Pimephales promelas</i> 96 h static LC50: 4747-7824 mg/L <i>Oncorhynchus mykiss</i> 96 h flow-through | N/A | EC50: 340.7 – 469.2 mg/L (48 h Static) <i>Daphnia magna</i> EC50: 1000 mg/L (48 h) <i>Daphnia magna</i> |

SAFETY DATA SHEET

Liquid Hand Soap

Bioaccumulation

| Chemical Name | Log Pow |
|------------------------|---------|
| Citric Acid 77-92-9 | -1.72 |

13- DISPOSAL CONSIDERATIONS

Waste Disposal Methods: This material, as supplied, is not a hazardous waste according to Federal Regulations (40 CFR Part 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 Part 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

14 - TRANSPORT INFORMATION

| | | | |
|-------------|---------------|-----------------|---------------|
| <u>DOT</u> | Not Regulated | <u>TDG</u> | Not Regulated |
| <u>MEX</u> | Not Regulated | <u>ICAO</u> | Not Regulated |
| <u>IATA</u> | Not Regulated | <u>IMDG/IMO</u> | Not Regulated |

15 - REGULATORY INFORMATION

International Inventories:

TSCA: Complies
DSL: Not determined
EINECS: Complies

U.S. Federal Regulations:

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories:

Acute Health Hazard: Yes
Chronic Health Hazard: No
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances which are listed as hazardous air pollutants (HAPs) under Section 112 of the Clean Air Act:

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

SAFETY DATA SHEET

Liquid Hand Soap

U.S. State Regulations:

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

This product does not contain any chemicals subject to Right-to-Know regulations

International Regulations:

Mexico – Grade Minimum risk, Grade 0

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class:

Non-controlled

16 – OTHER INFORMATION

All the information, recommendations, and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by APOLLO as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does APOLLO assume any liability arising out of use by others or the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or described when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

Prepared by:

Derek Sanderson,
Director of Research and Development
Telephone: (416) 758-3700
Fax: (416) 758-3701
E-Mail: dsanderson@apollocorp.com
Revision Date: N/A
Revision Notes: N/A