

SAFETY DATA SHEET

1 – PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Heat Protect Styling Serum
Formula #: 40637
Issue Date: July 2015
Recommended Use: Hair care
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 considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquid	Category 2
Serious eye damage/eye irritation	Category 2

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word	Warning	
Hazard Statements Highly flammable liquid and vapor Causes serious eye irritation		
		
Appearance: Clear, light yellow	Physical State: Liquid	Odor: Mild

Precautionary Statements – Prevention

Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Keep container tightly closed.

Precautionary Statements – Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Precautionary Statements – Disposal

Dispose of contents/container to an approved waste disposal plant

Precautionary Statements – Storage

Store in a well ventilated place. Keep cool.

Interactions with Other Chemicals

No information available.

3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
Alcohol Denat.	64-17-5	25.0 – 35.0
Sodium Laneth-40 Maleate/Styrene Sulfonate Copolymer	N/A	1.0 – 3.0
Other		<1.0

SAFETY DATA SHEET

Heat Protect Styling Serum

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.

5 – FIRE-FIGHTING MEASURES

Flammable Properties: HIGHLY FLAMMABLE **Flash Point:** 39°C / 102°F

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:** Yes

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 2 **Flammability** 3 **Stability** 0 **Physical & Chemical Hazards:** --

6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with eyes. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.

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.

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 cool, well ventilated place. Keep away from heat. Protect from light. Keep in properly labeled containers.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m ³

ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value. **OSHA PEL:** Occupational Safety and Health Administration – Permissible Exposure Limits. **NIOSH IDLH:** Immediately Dangerous to Life or Health

Engineering Measures: Showers, Eyewash stations, Ventilation systems

Personal Protective Equipment:

Eye/Face Protection : Tight fitting safety goggles.

Skin and Body Protection: Protective gloves

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.

SAFETY DATA SHEET

Heat Protect Styling Serum

9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, light yellow	Odor: Mild	Odor Threshold: No data available
Physical State: Liquid	pH: 5.5 – 6.5	Viscosity: Water-like
Flash Point: 39°C / 102°F	Decomposition Temperature: No data available	Boiling Point/Range: No data available
Melting Point / Range: No data available	Water Solubility: Soluble in water	Solubility: No data available
Evaporation Rate: No data available	Vaporation Rate: No data available	Partition Coefficient:n-octanol/water: No data available

10 – STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.	Conditions to avoid: Heat, flames and sparks
Incompatible Products: Not known	Hazardous Decomposition Products: Carbon oxides
Hazardous Polymerization: Does not occur	

11 – TOXICOLOGICAL INFORMATION

Acute toxicity:
Product Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethanol	-	-	= 124.7 mg/L (Rat) 4 h

Chronic toxicity:
Chronic Toxicity Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethanol	A3	Group 1	Known	X

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 – Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 1 – Carcinogenic to humans

Group 3 – Not classifiable as to carcinogenicity in humans

NTP: (National Toxicity Program)

Known – Known carcinogen

OSHA: (Occupational Safety & Health Administration)

X – Present

Target Organ Effects: Blood. Central nervous system (CNS). Eyes. Liver. Reproductive system. Respiratory system. Skin.

12 – ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Acute Crustaceans Toxicity
Ethanol	Not available	12.0 – 16.0 mL/L LC50 (Oncorhynchus mykiss) 96 h static 13400 – 15100 mg/L LC50 (Pimephales promelas) 96 h flow-through 100 mg/L LC50 (Pimephales promelas) 96 h static	Not available

Bioaccumulation

Chemical Name	Log Pow
Ethanol	-0.32

SAFETY DATA SHEET

Heat Protect Styling Serum

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.

US EPA Waste Number D001
California Hazardous Waste Codes 331

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California EHW	California Carc	California Hazardous Waste	California Waste – Part 2
Ethanol			Toxic Ignitable	Recyclable Hazardous waste

14 – TRANSPORT INFORMATION

Emergency Response Guide Number: 127

DOT Consumer Commodity, ORM-D
TDG UN1170, Ethanol, 3, III
MEX UN1170, Ethanol, 3, III
ICAO UN1170, Ethyl Alcohol Solution, 3, III
IATA UN1170, Ethanol, 3, III
IMDG/IMO UN1170, Ethanol, 3, III, FP 39C

15 – REGULATORY INFORMATION

International Inventories:

TSCA: Complies
DSL: Complies
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: YES
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).

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

Heat Protect Styling Serum

U.S. State Regulations:

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Ethanol	√	√	√		√

International Regulations:

Mexico – Grade Moderate risk, Grade 2

Chemical Name	Carcinogen Status	Exposure Limits
Ethyl Alcohol		Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m ³

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:
B3 Combustible liquid
D2B Toxic materials



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) 758-3709
E-Mail: dsanderson@apollocorp.com
Revision Date: N/A
Revision Notes: N/A