

**MATERIAL SAFETY DATA SHEET**  
**H/S Medically Formulated Hypoallergenic Shampoo**  
**Product Code: 86038**

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**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATIONS AND OF THE COMPANY UNDERTAKING**

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**Product Name** H/S Medically Formulated Hypoallergenic Shampoo  
**Product Description** Shampoo for dogs, cats, and horses  
**Manufacturer/Supplier** GlenHaven  
**Address** P.O. Box 13998  
8000 NE Tillamook St.  
Portland, OR 97213  
**Phone Number** 1-800-605-9479 for Technical Support  
**Chemtrec Number (24 hour)** 1-800-424-9300  
**Emergency Number:** 1-800-345-4735 for Human and Animal Medical Emergencies  
**MSDS Revision Date:** June 16, 2011  
**Supersedes MSDS Dated:** N/A

*Material Safety Data Sheet in compliance with OSHA's Hazcom Standard (29 CFR 1910.1200)*

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**2. HAZARDS IDENTIFICATION**

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**Emergency Overview**

**CAUTION!**

Avoid contact with eyes and skin.  
Harmful if swallowed.  
Keep out of reach of children.  
Read entire label before each use.

**Routes of Entry**

Eye contact - Skin contact - Ingestion - Inhalation - Absorption

**Carcinogenic Status**

Not considered carcinogenic by NTP, IARC, and OSHA.

**Target Organs**

Eyes - Skin - Respiratory System (See Section 11)

**Health Effects - Eyes**

Contact with eyes can cause irritation.

**Health Effects - Skin**

Contact with skin can cause irritation.

**Health Effects - Ingestion**

Harmful if swallowed. Ingestion of this material may cause gastrointestinal effects such as nausea, vomiting, diarrhea, abdominal cramps and constipation.

**Health Effects - Inhalation**

No adverse effects are expected during normal conditions of use. Prolonged, repeated inhalation may cause irritation to the respiratory tract.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

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<b>Component Name</b>	<b>CAS Number</b>	<b>Concentration</b>
Copolymer	NA	1 - 5%
Sodium Olefin Sulfonate	68439-57-6	10 - 20%
Diethylene glycol monoethyl ether	111-90-0	0.1 - <1%

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

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<b>Component Name</b>	<b>CAS Number</b>	<b>Concentration</b>
Lactic Acid	79-33-4	0.1 - <1%
Cocamide DEA	68603-42-9	<5%
Lauramide DEA	120-40-1	1 - 10%
Capramide DEA	136-26-5	<5%
Sodium Chloride	7647-14-5	1 - 5%
Glycerin	56-81-5	1 - 5%

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**4. FIRST AID MEASURES**

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**Eyes**

Immediately flood the eye with plenty of water for at least 15-20 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

**Skin**

If irritation develops wash skin thoroughly with soap and water. Obtain medical attention if redness or soreness persists.

**Ingestion**

Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Inhalation**

Remove person to fresh air. Seek medical attention if symptoms persist.

**Advice to Physicians**

Treat symptomatically.

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**5. FIRE - FIGHTING MEASURES**

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**Extinguishing Media**

Use extinguishing media appropriate for surrounding materials.

**Unusual Fire and Explosion Hazards**

Can release hazardous vapors during a fire.

**Protective Equipment for Fire-Fighting**

Wear full protective clothing and self-contained breathing apparatus.

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**6. ACCIDENTAL RELEASE MEASURES**

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Wear appropriate protective clothing. Wipe up and transfer into suitable containers for recovery or disposal. Prevent the material from entering drains or watercourses.

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**7. HANDLING AND STORAGE**

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Store in original container in a cool, dry place. Store away from children and pets. Do not store near foodstuffs. Do not contaminate water, food or feed by storage. Wear appropriate protective clothing. Avoid contact with skin, eyes and clothing. Wash and remove contaminated clothing before reuse. Avoid breathing vapors. Wash hands thoroughly after handling and before eating, drinking or smoking.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Occupational Exposure Standards**

Exposure limits are listed below, if they exist.

**Sodium Olefin Sulfonate**

None established

**Diethylene glycol monoethyl ether**

Supplier recommended limit: 25 ppm TWA

**Lactic Acid**

None established

**Glycerin (Mist)**

ACGIH: TLV 10 mg/m<sup>3</sup> 8h TWA.

OSHA: PEL 5 mg/m<sup>3</sup> 8h TWA respirable fraction  
15mg/m<sup>3</sup> 8h TWA total dust

**Sodium Chloride**

None established

**Cocamide DEA**

None established

**Lauramide DEA**

None established

**Copolymer**

None established

**Capramide DEA**

None established

**Engineering Control Measures**

No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

**Respiratory Protection**

Not required under normal conditions of use. Professional groomers and those with repeated and extended exposures should consider the use of respiratory protection if there is a risk of exposure to high vapor concentrations or aerosols. The specific respirator selected must be based on the airborne concentration found in the workplace and must not exceed the working limits of the respirator.

**Hand Protection**

Chemical resistant gloves.

**Eye Protection**

Safety glasses or goggles.

**Body Protection**

Waterproof apron.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Physical State</b>	Liquid
<b>Color</b>	Yellow
<b>Odor</b>	Citrus
<b>pH</b>	7.0 – 7.6
<b>Specific Gravity</b>	No data available
<b>Boiling Range/Point (°C/F)</b>	No data available
<b>Melting Point (°C/F)</b>	No data available
<b>Flash Point (PMCC) (°C/F)</b>	Not flammable
<b>Explosion Limits (%)</b>	No data available

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Vapor Pressure</b>	No data available
<b>Density</b>	No data available
<b>Solubility in Water</b>	Soluble
<b>Vapor Density (Air = 1)</b>	No data available

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**10. STABILITY AND REACTIVITY**

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**Stability**

Stable under normal conditions.

**Conditions to Avoid**

Heat - high temperatures

**Materials to Avoid**

Strong oxidizers – strong acids

**Hazardous Polymerization**

Will not occur.

**Hazardous Decomposition Products**

Oxides of carbon - oxides of sulfur - acrolein - nitrogen - ammonia

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**11. TOXICOLOGICAL INFORMATION**

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See product packaging for additional information.

**Acute Toxicity**

Lactic acid: LD50 Rat oral 3730 mg/kg, LC50 Rat inhalation 7.94 mg/L/4 hr

Sodium Olefin Sulfonate: Oral LD50 (rat) 1300-2400 mg/kg, Dermal LD50 (rabbit) 1130-2150 mg/kg

Diethylene glycol monoethyl ether: Oral LD50 (rat) 1920 - 9050 mg/kg,  
Dermal LD50 (rabbit) >8400 mg/kg

Glycerin: Oral LD50 (Rat) 12,600 mg/kg

**Specific Target Organ Systemic Toxicity (single and repeat)**

No relevant studies identified.

**Serious Eye damage/Eye Irritation**

Sodium Olefin Sulfonate: Causes moderate eye irritation at 10% active and no irritation at 1% active (Primary Eye Irritation- rabbit 24 hr)

Glycerin: Animal studies have shown glycerin to be not irritating or slightly irritating to eyes.

**Skin Corrosion/Irritation**

Sodium Olefin Sulfonate: Causes moderate skin irritation at 10% (Primary Skin Irritation - rabbit 24hr), Slight Skin irritation at 1% active (Primary Irritation Patch Test - human)

Glycerin: Human skin tests have shown glycerin to be slightly irritating.

**Respiratory or Skin Sensitization**

Sodium Olefin Sulfonate: Not a dermal sensitizer (Dermal Sensitization)

**Carcinogenicity**

Sodium Olefin Sulfonate: No increased incidences of tumors in rats fed up to 500ppm (rat)

**Germ Cell Mutagenicity**

Lactic acid: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Sodium Olefin Sulfonate: Not mutagenic (Ames test)

Diethylene glycol monoethyl ether: In vitro genetic toxicity studies were predominantly negative. Animal genetic toxicity studies were negative.

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**11. TOXICOLOGICAL INFORMATION**

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**Toxicity to Reproduction**

Lactic acid: A reproductive toxicity study in mice (oral) showed maternal effects and developmental abnormalities to the fetal musculoskeletal system.

Sodium Olefin Sulfonate: No reproductive or developmental effects were observed at doses that show no or slight maternal toxicity (up to 2 mg/kg)

Diethylene glycol monoethyl ether: Did not cause embryotoxicity, fetotoxicity or developmental toxicity in laboratory animal studies. One study showed some toxic effects but only at the highest concentrations tested.

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**12. ECOLOGICAL INFORMATION**

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**Mobility**

No relevant studies identified.

**Persistence/Degradability**

Sodium Olefin Sulfonate: Readily biodegradable

**Bio-accumulation**

No relevant studies identified.

**Ecotoxicity**

Lactic Acid: EC50 Daphnia magna 180 - 320 mg/l 48 h

Sodium Olefin Sulfonate: LC50 Fish 1-10 mg/l

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**13. DISPOSAL CONSIDERATIONS**

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Dispose of in accordance with all applicable local and national regulations.

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**14. TRANSPORT INFORMATION**

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Contact supplier for transport information.

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**15. REGULATORY INFORMATION**

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**US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS**

**TSCA Listing**

This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Substance (TSCA) Inventory.

**DSL (Canadian) Listing**

This product contains ingredients that have not been verified for listing on the Domestic Substance List (DSL).

**WHMIS Classification**

D.2.B

This product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required by these regulations.

**MA Right To Know Law**

This product contains the following chemicals on the Massachusetts Right to Know Law: Diethanolamine (111-42-2) <1.0%

**PA Right To Know Law**

This product contains the following chemicals on the Pennsylvania Hazardous Substance List: Diethanolamine (111-42-2) <1.0% - Diethylene Glycol Monoethyl Ether (111-90-0) <1% - Glycerin (56-81-5) <5%

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**15. REGULATORY INFORMATION**

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**NJ Right To Know Law**

This product contains the following chemicals on the New Jersey Workplace Hazardous Substance List: Diethanolamine (111-42-2) <1.0% - Diethylene Glycol Monoethyl Ether (111-90-0) <1%

**California Proposition 65**

This product contains the following chemicals which the State of California has found to cause cancer, birth defects or other reproductive harm: Acrylamide (79-06-1) trace – Formaldehyde (50-00-0) trace – Ethylene Oxide (75-21-8) trace – 1,4 dioxane (123-91-1) trace

**SARA Title III Sect. 311/312 Categorization**

Immediate (acute)

**SARA Title III Sect. 313**

This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations: None

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**16. OTHER INFORMATION**

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**NFPA Ratings**

NFPA Code for Flammability - 0

NFPA Code for Health - 1

NFPA Code for Reactivity - 0

NFPA Code for Special Hazards – 0

**HMIS Ratings**

HMIS Code for Flammability - 0

HMIS Code for Health - 1

HMIS Code for Reactivity - 0

HMIS Code for Personal Protection - See Section 8

**Abbreviations**

ACGIH: American Conference of Governmental Industrial Hygienists

BOD: Biological Oxygen Demand

CAS#: Chemical Abstracts Service Number

FIFRA: Federal Insecticide, Fungicide and Rodenticide Act

IARC: International Agency for Research on Cancer

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

N/A: Denotes no applicable information found or available

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

TSCA: Toxic Substance Control Act

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**16. OTHER INFORMATION**

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**For further information call:** 1-800-605-9479

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