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MATERIAL SAFETY DATA SHEET

SECTION 1. Product and Company Identification

- 1) Product Name: CARROT FORMING SHAMPOO
- 2) Chemical Formula: Not Applicable
- 3) General Feature: Light ivory transparent mucus
- 4) Application: For Animals Quasi drug
- 5) Supplier Information
 - Manufacturer: Keiandel
 - Address: #176, Sinwon-ro, Yeongtong-gu
Suwon-si, Gyeonggi-do, Republic of Korea
 - Telephone: : 82-31-298-8440
 - Documentation Department: Keiandel Formulating Division

SECTION 2. Composition and Information on Ingredients

No.	Ingredients(INCI Name)	Reference
1	Water	INCI
2	Sodium C14-16 Olefin Sulfonate	INCI
3	Glycerin	INCI
4	Lauryl Betaine	INCI
5	Disodium Cocoamphodiacetate	INCI
6	Sodium Chloride	INCI
7	Hexylene Glycol	INCI
8	Hydroxyacetophenone	INCI
9	Arginine	INCI
10	Citric Acid	INCI
11	Ethylhexylglycerin	INCI
12	Allantoin	INCI
13	Sea Water	INCI
14	Saccharomyces/Rice Ferment Filtrate	INCI
15	Pentylene Glycol	INCI
16	Daucus Carota Sativa (Carrot) Root Extract	INCI
17	Butylene Glycol	INCI
18	Propanediol	INCI
19	Benzyl Glycol	INCI
20	Hydrolyzed Glycosaminoglycans	INCI
21	Sodium Hyaluronate	INCI
22	Sodium Hyaluronate Crosspolymer	INCI
23	Hydrolyzed Hyaluronic Acid	INCI
24	Hydroxypropyltrimonium Hyaluronate	INCI
25	Hyaluronic Acid	INCI
26	Sodium Acetylated Hyaluronate	INCI
27	Canola Oil	INCI
28	Daucus Carota Sativa (Carrot) Seed Oil	INCI
29	Helianthus Annuus (Sunflower) Seed Oil	INCI
30	Tocopheryl Acetate	INCI
31	Beta-Carotene	INCI
32	Fragrance	INCI
33	1,2-Hexanediol	INCI
34	Hydroxycitronellal	INCI

SECTION 3. Application

Apply to the hair

SECTION 4. Hazardous Identification

A. GHS classification of the substance/mixture

Not classified according to OSHA 29 CFR 1910.1200

B. GHS label elements, including precautionary statements

Pictogram and symbol : Not applicable

Signal word : Not applicable

Hazard statements : Not applicable

Precautionary statements

Precaution : Not applicable

Treatment : Not applicable

Storage : Room temperature

Disposal : Not applicable

C. Other hazard information not included in hazard classification (NFPA)

Health : Not applicable

Flammability : Not available

Reactivity : Not available

SECTION 5. First Aid Measures

A. Eye contact

- In case of contact with substance, immediately flush eyes with running water at least 20 minutes.

B. Skin contact

- In case of contact with substance, immediately flush skin with running water at least 20 minutes.

- Remove and isolate contaminated clothing and shoes.

- Wash contaminated clothing and shoes before reuse.

- Get immediate medical advice/attention.

C. Inhalation

- Specific medical treatment is urgent.

- Move victim to fresh air.

- Give artificial respiration if victim is not breathing.

- Administer oxygen if breathing is difficult.

D. Ingestion

- Do not let him/her eat anything, if unconscious.

- Get immediate medical advice/attention.

E. Indication of immediate medical attention and notes for physician

- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

SECTION 6. Fire Fighting Measures

A. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media: Dry sand, dry chemical, alcohol-resistant foam, water sprays, regular foam, CO₂

- Unsuitable extinguishing media: High pressure water streams

B. Specific hazards arising from the chemical

- May be ignited by heat, sparks or flames.

- Containers may explode when heated.

- Some of these materials may burn, but none ignite readily.

- Fire will produce irritating and/or toxic gases.

- If inhaled, may be harmful.

C. Special protective equipment and precautions for fire-fighters

- Dike fire-control water for later disposal; do not scatter the material.

- Move containers from fire area if you can do it without risk.

- Fire involving Tanks; Cool containers with flooding quantities of water until well after fire is out.

- Fire involving Tanks; Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

- Fire involving Tanks; Always stay away from tanks engulfed in fire.

SECTION 7. Accidental Release Measures

A. Personal precautions, protective equipment and emergency procedures

- Eliminate all ignition sources.
- Stop leak if you can do it without risk.
- Please note that materials and conditions to avoid.
- Ventilate the area.
- Do not touch or walk through spilled material.
- Prevent dust cloud.

B. Environmental precautions and protective procedures

- Prevent entry into waterways, sewers, basements or confined areas.

C. The methods of purification and removal

- Small Spill; Flush area with flooding quantities of water. And take up with sand or other non-combustible absorbent material and place into containers for later
- Large Spill; Dike far ahead of liquid spill for later disposal.
- With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

SECTION 8. Handling and Storage

A. Precautions for safe handling

- Please note that materials and conditions to avoid.
- Wash thoroughly after handling.
- Please work with reference to engineering controls and personal protective equipment.
- Be careful to high temperature.

B. Conditions for safe storage

- Store in a closed container.
- Store in cool and dry place

SECTION 9. Exposure Controls/Personal Protection

A. Occupational Exposure limits

Korea regulation : Not available

ACGIH regulation : Not available

Biological exposure index : Not available

OSHA regulation : Not available

NIOSH regulation : Not available

EU regulation : Not available

Other : Not available

B. Appropriate engineering controls

- Provide local exhaust ventilation system or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

C. Personal protective equipment

Respiratory protection

- Wear NIOSH or European Standard EN 149 approved full or half face piece (with coagles) respiratory protective equipment when necessary.
- In case exposed to gaseous/liquid material, the respiratory protective equipments as follow are recommended. escape full facepiece gas mask (of use for acid gas, in case of acid gas for organic compounds) or escape half facepiece gas mask (of use for acid gas, in case of acid gas for organic compounds) or direct full facepiece gas mask (of use for acid gas, in case of acid gas for organic compounds) half facepiece gas mask (of use for acid gas, in case of acid gas for organic compounds) or powered air-purifying gas mask.
- In lack of oxygen (< 19.5%), wear the supplied-air respirator or self-contained breathing apparatus. oxygen

Eye protection

- Wear facepiece with goggles to protect.
- An eye wash unit and safety shower station should be available nearby work place.
- Wear enclosed safety goggles to protect from gaseous state organic material causing eye irritation or other disorder.
- An eye wash unit and safety shower station should be available nearby work place.

Hand protection

- Wear chemical resistant gloves.
- Wear appropriate protective gloves by considering physical and chemical properties of chemicals.

Body protection

- Wear appropriate protective chemical resistant clothing.
- Wear appropriate protective clothing by considering physical and chemical properties of chemicals.

SECTION 10. Physical and Chemical Properties

- 1) Physical State: transparent mucus
- 2) Color: Light ivory
- 3) Odor: Characteristic
- 4) pH: 8.0 ±1.00
- 5) Specific gravity: 1.037 ±0.02
- 6) Viscosity: Not available
- 7) Boiling point/boiling range(°C): Not available
- 8) Flash point(°C): Not available
- 9) Water solubility: Soluble
- 10) Melting Point/Freezing Point: Not available
- 11) Evaporation Rate: Not available
- 12) Flammability(solid, gas) : Not available
- 13) Flammability Limits in Air, Upper/Lower % by Volume: Not available
- 14) Vapor Pressure: Not available
- 15) Partition Coefficient(n-octanol/water): Not available
- 16) Auto-Ignition Temperature: Not available
- 17) Decomposition Temperature: Not available
- 18) Molecular Weight: Not available

SECTION 11. Stability and Reactivity

- A. Chemical stability and Possibility of hazardous reactions:
- Fire may produce irritating and/or toxic gases. - If inhaled, may be harmful.
- B. Conditions to avoid:
- Heat, sparks or flames
- C. Incompatible materials:
- Combustibles

SECTION 12. Toxicological Information

- A. Possible routes of Exposure
- Respiratory system : Not available
- Oral : Not available
- Skin : Not available
- Eye : Not available
- B. Health Hazards
- Oral : Not available
- Dermal : Not available
- Inhalation : Not available
- Acute Toxicity
- Not available
- Skin Corrosion/Irritation
- Not available
- Serious Eye Damage/Irritation
- Not available
- Respiratory Hypersensitiveness
- Not available
- Dermal Hypersensitiveness
- Human body(non-reactive)
- Carcinogenicity
- IRAC : Not available
- OSHA : Not available
- ACGIH : Not available
- NTP : Not available
- EU CLP : Not available
- Reproduction Mutagenicity
- Not available
- Reproduction Toxicity
- Not available
- Specific Target Organ Toxicity
- Single exposure : Not available
- Repeated exposure : Not available
- Aspiration Harmfulness
- Not available

SECTION 13. Ecological Information	
A. Eco-toxicity	Fish : Not available
B. Persistence & Degradability	Crustacean : Not available
C. Bioaccumulation	Algae : Not available
D. Mobility	Not available
E. Other Adverse Effects	Not available
	Not available
SECTION 14. Disposal Consideration	
A. Disposal method	
Waste must be disposed of in accordance with federal, state and local environmental control regulations.	
B. Disposal precaution	
Consider the required attentions in accordance with waste treatment management regulation.	
SECTION 15. Transport Information	
A. UN Number : Not applicable	
B. UN Proper shipping name : Not applicable	
C. Transport Hazard class : Not applicable	
D. Packing group : Not applicable	
E. Marine pollutant : Not applicable	
F. Special precautions	
in case of fire : Not applicable	
in case of leakage : Not applicable	
This shipment has been classified as NON-DG in accordance with IATA Dangerous Goods Regulations(DGR)	
SECTION 16. Regulatory Information	
Country(s) or region	Occupation Safety and Health Acts: Not available
Korea	Chemicals Management Acts : Not available
	Safety Control of Dangerous Substances Acts : Yes
	Wastes Control Acts : Yes
	Persistent Organic Pollutants Control Acts : Not applicable
United States	OSHA: Not applicable
	CERCLA: Not applicable
	EPCRA 302: Not applicable
	EPCAR 304: Not applicable
	EPCRA 313: Not applicable
	Rotterdam Convention: Not applicable
	Stockholm Convention: Not applicable
	Montreal Protocol: Not applicable
EU	Symbols: Not applicable
	Risk phrases: Not applicable
	Safety phrases: Not applicable
SECTION 17. Other Information	
This MSDS refers to the Korea Industrial Safety Public Corporation Data. This document was written according to the article 41 of the Korean Industrial Safety Health Law.	
To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.	
Final determination of suitability of any material is the sole responsibility of the user.	
All materials may present unknown hazards and should be used with caution.	
Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.	