SAFETY DATA SHEETS

This SDS packet was issued with item:

078914571

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

078853369 078853377 078914572

Bayer Animal Health
12707 Shawnee Mission Parkway
Shawnee Mission, KS 66216
Telephone Calls (913) 268-2000
8 AM - 5 PM Monday thru Friday

Bayer Emergency Number 1-800-422-9874
Bayer Information Number 1-800-633-3796
Emergency Contact CHEMTREC
1-800-424-9300 24 HOURS

SECTION 1 - IDENTIFICATION

PRODUCT NAME	ExpertCare Nourishing Shampoo	***SYNONYMS***	None
CHEMICAL FAMILY	None	***THERAPEUTIC CATEGORY***	Non-medicated Grooming Aid

SECTION 2 – HEALTH HAZARD INFORMATION

EMERGENCY OVERVIEW	May cause irritation to eyes, skin and digestive tract.
EYE	May cause irritation.
SKIN	May cause irritation.
INGESTION	May cause irritation.
INHALATION	Not expected to be an inhalation hazard.
ADVERSE SYSTEMIC EFFECTS	None known.
CHRONIC (CANCER) INFORMATION	None known.
REPRODUCTION INFO	None known.
MEDICAL CONDITIONS/MEDS AGGRAVATED BY EXPOSURE	None known.
TARGET ORGANS	None known.

APPEARANCE	Clear yellow viscous liquid	***ODOR***	Coconut fragrance

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SECTION 3 – INGREDIENT INFORMATION

COMPONENT	CAS NUMBER	% BY WEIGHT
Proprietary Information No hazardous ingredients	N/A	N/A

SECTION 4 – FIRST AID MEASURES

EYES	If in eyes, hold eyelids apart and flush the eye continuously for fifteen minutes and seek medical attention.
SKIN	Wash affected area with soap and water. Seek medical attention if irritation develops.
INGESTION	In case of gross ingestion, induce vomiting and seek immediate medical attention.
INHALATION	Not expected to be an inhalation hazard; however, remove from exposure area to fresh air. If any symptoms persist, seek medical attention.
NOTE TO PHYSICIANS	Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES	Not flammable
HAZARDOUS COMBUSTION PRODUCTS	May emit toxic gases if heated to decomposition.
EXTINGUISHING MEDIA	Carbon dioxide or dry chemical for small fires. "Alcohol" or "Polymer" foam for large fires.
FIRE FIGHTING INSTRUCTION	Treat as per requirements for surrounding fires: Evacuate area and contact emergency services. Remain upwind and notify those downwind of the hazard. Wear full protective equipment including self-contained breathing apparatus (SCBA) when combating fire. Use water fog to cool intact containers and nearby storage areas. Prevent contamination of drains and waterways; absorb runoff with sand or similar material.

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SECTION 6 – ACCIDENTAL RELEASE MEASURES

SPILL

Small spills: Absorb with sand, vermiculite or similar material. Rinse area with copious quantity of water.
Large spills: Wear splash proof goggles, PVC/rubber gloves, coveralls and rubber boots. Absorb spill with sand or similar material. Collect and place in sealable containers for incineration. Flush rinse water into sanitary sewer. Caution: Slippery when spilt.

SECTION 7 – HANDLING AND STORAGE

HANDLING

Before use, carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

STORAGE

Store at room temperature. Protect from freezing.

SECTION 8 – EXPOSURE CONTROL AND PPE

ENGINEERING CONTROLS

None needed during normal use. Use local exhaust ventilation in confined spaces for prolonged use.

RESPIRATORY PROTECTION

Not expected to be an inhalation hazard.

SKIN PROTECTION

For prolonged exposure, wear rubber or PVC gloves. Use protective clothing (uniforms, laboratory coats, disposable coveralls, etc.) in both production and laboratory areas.

EYE PROTECTION

Wear safety glasses or splash-proof goggles.

OCCUPATIONAL HAZARD CLASS (OHC)	COMPONENT	EXPOSURE LIMIT
N/A	Proprietary Information No hazardous ingredients	N/A

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT	208.4°F	***MELTING POINT***	Not applicable	***pH***	6.2 – 7.0
VAPOR PRESSURE	Not applicable	***VAPOR DENSITY***	Not applicable		
SOLUBILITY IN WATER	Miscible	***ODOR***	Coconut fragrance		
APPEARANCE	Clear yellow viscous liquid	***SPECIFIC GRAVITY***	1.030 – 1.050		
AUTOIGNITION TEMPERATURE	Not known	***FLAMMABLE LIMITS***	Not applicable		
MOLECULAR WEIGHT	Not known	***FLASHPOINT***	Not known		
OCTANOL/WATER COEFFICIENT	Not known	***EVAPORATION RATE***	< 1		

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID)	Stable. Incompatible with strong oxidizing agents.
INCOMPATIBILITY	None known.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon Monoxide and/or Carbon Dioxide.
HAZARDOUS POLYMERIZATION	Will not occur.

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SECTION 11 – TOXICOLOGICAL INFORMATION

EYE	None known.
SKIN	None known.
INGESTION	None known.
INHALATION	None known.
ACUTE/SUBCHRONIC	None known.
MUTAGENICITY/ CARCINOGENICITY	None known.
REPRODUCTION	None known.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION	None known.
CHEMICAL FATE INFORMATION	None known.

SECTION 13 – DISPOSAL CONSIDERATIONS

Place cleanup material in appropriate container for incineration. Flush rinse water into sanitary sewer.

SECTION 14 – TRANSPORTATION INFORMATION

Not classified by DOT, ICAO or IATA.

SECTION 15 – REGULATORY INFORMATION

OSHA	Not hazardous.
CERCLA	Not applicable.
SECTION 313 (SARA TITLE III)	This product contains no 313 chemicals.
OTHER REGULATIONS	None known.

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SECTION 16 – OTHER INFORMATION

None

PREPARED BY Kelly Hoffman
PRODUCT CODE: 500106
REVISIONS February 12, 2013/Bayer

DISCLAIMER:

Bayer Animal Health *provides the information contained in this MSDS sheet in good faith but makes no claim as to its accuracy or Comprehensiveness. This MSDS sheet is intended as a guide for a properly trained person to utilize appropriate precautionary methods while handling this product. Individuals must exercise their own judgment in determining the appropriateness of this information for a particular purpose. All MSDS sheets are subject to revision from time-to-time as new information becomes available. Anyone proposing to rely on information regarding the substance that is the subject of this MSDS sheet is responsible for ensuring that he or she has obtained and reviewed the most recent version of the sheet available at the time.* Bayer Animal Health *will not be responsible for damages resulting from the use or misuse of the information contained in this MSDS sheet.*

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Product Name:	HyLyt Shampoo
MSDS Number:	122000009834

Use : Cosmetics

Company
BAYER HEALTHCARE LLC
Animal Health Division
12707 Shawnee Mission Parkway
(West 63rd)
Shawnee, KS 66216-1846
USA
(800) 633-3796

In case of emergency: (800) 422-9874
Chemtrec: (800) 424-9300
BAYER INFORMATION PHONE:(800) 633-3796
INTERNATIONAL:(703) 527-3887

2. HAZARDS IDENTIFICATION

Emergency Overview

Form: liquid
Causes skin irritation. May cause eye injury - effects may be delayed.

GHS Classification:

Skin irritation	**:**	Category 2
Serious eye damage	**:**	Category 1

GHS Label element:

Hazard pictograms **:**



Signal word **:** Danger

Hazard statements **:** H315 Causes skin irritation.
H318 Causes serious eye damage.

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Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/ physician.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.

Other hazards which do not result in classification:

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Weight percent	Components	CAS-No.
1 - 5%	Glycerol	56-81-5
25 - 50%	Sodium (C14-16) olefin sulfonate	68439-57-6
10 - 20%	Cocamidopropyl Betaine	61789-40-0

4. FIRST AID MEASURES

General advice: Take off all contaminated clothing immediately.

If inhaled: Remove to fresh air. Call a physician immediately.

In case of skin contact: After contact with skin, wash immediately with plenty of soap and water. If skin reactions occur, contact a physician.

In case of eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed: If swallowed, seek medical advice immediately and show this container or label.

Contact Number: Use the Bayer Emergency Number in Section 1

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5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: High volume water jet

Specific hazards during firefighting: Fire may cause evolution of: Carbon monoxide (CO) Carbon dioxide (CO2)

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Further information: Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.

Methods for cleaning up: Cover spilt product with liquid-binding material (sand, silica gel, acid binder, universal binder, hybilat). Take up mechanically and fill into labelled, closable containers.

Additional advice: No special precautions required.

Further Accidental Release Notes No special precautions required.

7. HANDLING AND STORAGE

Handling:
Avoid formation of aerosol. Only handle product with local exhaust ventilation. Avoid contact with skin, eyes and clothing.

No special protective measures against fire required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Glycerol (56-81-5)
US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
PEL: 5 mg/m3 (Respirable fraction.)
US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
PEL: 15 mg/m3 (Total dust.)

Respiratory protection:
Recommended Filter type: Organic vapor with prefilter

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Hand protection:
Chemically resistant gloves.

Eye protection:
Safety glasses

Other protective measures:
Wear suitable protective equipment.

Please consult label for end-user requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid
Colour:	No applicable information is available
Odour:	No applicable information is available
Odour Threshold:	No applicable information is available
Melting point:	No applicable information is available
Boiling point/boiling range:	No applicable information is available
Density:	No applicable information is available
Bulk density:	No applicable information is available
Vapour pressure:	No applicable information is available
Viscosity, dynamic:	No applicable information is available
Viscosity, kinematic:	No applicable information is available
Flow time:	No applicable information is available
Surface tension:	No applicable information is available
Miscibility with water:	No applicable information is available
Water solubility:	No applicable information is available
pH:	No applicable information is available
Relative density:	No applicable information is available
Partition coefficient:	No applicable information is available
Solubility(ies):	No applicable information is available
Flash point:	No applicable information is available
Flammability (solid, gas):	No applicable information is available
Ignition temperature:	No applicable information is available
Explosion limits:	No applicable information is available

10. STABILITY AND REACTIVITY

Conditions to avoid: No data available

Materials to avoid: Oxidizing agents

Hazardous reactions: No data available

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Thermal decomposition:

No data available

Hazardous decomposition products:
Carbon monoxide (CO), Carbon dioxide (CO2)

Oxidizing properties:

No statements available.

Impact sensitivity:
No data available

11. TOXICOLOGICAL INFORMATION

Other information on toxicity:
Glycerol
Inhalation of vapors causes irritation of the respiratory tract.

Ingestion of large quantities: Vomiting, Abdominal pain, headaches, Dizziness, Diarrhoea, Cyanosis

Acute oral toxicity:
Glycerol
LD50 Rat: > 2,000 mg/kg
The substance or mixture has no acute oral toxicity

Sodium (C14-16) olefin sulfonate
LD50 Rat: > 2,000 mg/kg

Cocamidopropyl Betaine
LD50 Rat: 4,900 mg/kg
May be harmful if swallowed.

LD50 Mouse: > 5,000 mg/kg

Acute inhalation toxicity:
Glycerol
LC50 Rat, male: > 2.75 mg/l, 4 h
The substance or mixture has no acute inhalation toxicity
Method: Calculation method

Sodium (C14-16) olefin sulfonate
LC50 Rat: > 52 mg/l, 4 h

Acute dermal toxicity:
Glycerol
LD50 Rabbit: > 18,700 mg/kg
The substance or mixture has no acute dermal toxicity

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Sodium (C14-16) olefin sulfonate
LD50 Rabbit: > 2,000 mg/kg

Skin irritation:
Glycerol
Rabbit
Result: No skin irritation

Sodium (C14-16) olefin sulfonate
Result: Skin irritation

Cocamidopropyl Betaine
Rabbit
Result: No skin irritation
Method: OECD 404

Eye irritation:
Glycerol
Rabbit
Result: No eye irritation

Sodium (C14-16) olefin sulfonate
Result: Severe eye irritation

Cocamidopropyl Betaine
Rabbit
Result: Causes serious eye damage.
Method: OECD 405

Sensitisation:
Glycerol

Patch test on human volunteers did not demonstrate sensitisation properties.

Cocamidopropyl Betaine
guinea pig
Result: Does not cause skin sensitisation.
Method: Magnusson and Kligmann maximization test

Genotoxicity in vitro:
Glycerol
Ames test
Result: negative

Cocamidopropyl Betaine
Ames test Salmonella typhimurium
Result: negative

Carcinogenicity:
No Carcinogenic substances as defined by IARC, NTP and/or OSHA

STOT - single exposure:
No data available

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STOT - repeated exposure:
No data available

12. ECOLOGICAL INFORMATION

General advice:
Do not allow to enter surface waters or groundwater.

Toxicity to fish:
Glycerol
Acute Fish toxicity: LC50 > 5,000 mg/l
Test species: Carassius auratus (goldfish) Duration of test: 24 h

Acute Fish toxicity: LC100 51,000 - 57,000 mg/l
Test species: Oncorhynchus mykiss (rainbow trout) Duration of test: 96 h

Acute Fish toxicity: LC50 > 250 mg/l
Test species: Leuciscus idus (Golden orfe) Duration of test: 48 h

Sodium (C14-16) olefin sulfonate
Acute Fish toxicity: LC50 1 - 10 mg/l
Test species: Danio rerio (zebra fish) Duration of test: 96 h

Cocamidopropyl Betaine
semi-static test: LC50 2 mg/l
Test species: Danio rerio (zebra fish) Duration of test: 96 h
Method: ISO 7346/1

Toxicity to daphnia and other aquatic invertebrates:
Glycerol
EC50 > 10,000 mg/l
Test species: Daphnia magna (Water flea) Duration of test: 24 h

EC0 > 500 mg/l
Test species: Daphnia magna (Water flea) Duration of test: 24 h

Sodium (C14-16) olefin sulfonate
EC50 1 - 10 mg/l
Test species: Daphnia (water flea) Duration of test: 48 h

Cocamidopropyl Betaine
Immobilization EC50 6.5 mg/l
Test species: Daphnia magna (Water flea) Duration of test: 48 h
Method: OECD 202

Toxicity to algae:
Glycerol
IC5 > 10,000 mg/l
tested on: Scenedesmus quadricauda (Green algae) Duration of test: 7 d

Sodium (C14-16) olefin sulfonate
EC50 10 - 100 mg/l
tested on: Selenastrum capricornutum (green algae) Duration of test: 48 h

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EC50 1 - 10 mg/l
tested on: Skeletonema costatum Duration of test: 72 h

Cocamidopropyl Betaine
Growth inhibition EC50 4.9 mg/l
tested on: Desmodesmus subspicatus (green algae) Duration of test: 72 h
Method: OECD 201

Toxicity to bacteria:
Glycerol
EC5 > 10,000 mg/l
tested on: Pseudomonas putida
Duration of test: 16 h

EC5 3,200 mg/l
tested on: Protozoa
Duration of test: 72 h

Cocamidopropyl Betaine
Respiration inhibition EC0 > 10,000 mg/l
tested on: Pseudomonas putida
Duration of test: 30 min
Method: DIN 38412

Biodegradability:
Glycerol
63 %, 14 d rapidly biodegradable
Method: OECD 301 C

Sodium (C14-16) olefin sulfonate
81 - 94 %, 28 d
biodegradable

Cocamidopropyl Betaine
100 %, 20 d rapidly biodegradable
Method: Modified Sturm Test

Bioaccumulation:
Glycerol

Bioaccumulation is unlikely.

13. DISPOSAL CONSIDERATIONS

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

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14. TRANSPORT INFORMATION

Land transport (CFR)
non-regulated

US Sea transport (IMDG)
non-regulated

US Air transport (ICAO / IATA cargo aircraft only)
non-regulated

US Air transport (ICAO / IATA passenger and cargo aircraft)
non-regulated

International IATA	**non-regulated**
IMDG	non-regulated

15. REGULATORY INFORMATION

Other regulations: No statements available.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)
Components
None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required
Components
None

US. EPA CERCLA Hazardous Substances (40 CFR 302) Components
None

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists

Weight percent	Components	CAS-No.
1 - 5%	Glycerol	56-81-5

California Prop. 65

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

OSHA Hazcom Standard Rating Hazardous

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16. OTHER INFORMATION

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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