THE CLASS

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : FRIZZANTE NEUTRAL CAR SHAMPOO (1L)
company : COSMEDICINE
Address : 5F, Nabi Plaza, 228, Bunseong-ro, Gimhae-shi, Gyeongsangnam-do, KOREA
Telephone : +82 (0)70-7715-9922~3
Fax :
Web site : www.theclasskorea.co.kr

Recommended use of the chemical and restrictions on use

Recommended use : car care

2. HAZARDS IDENTIFICATION

Globally Harmonized System of Classification and Labelling of Chemicals(GHS)

Physical hazard : N/A
Health hazard : N/A
Environment hazrd : N/A

Label elements including precautionary satements

Symbol : N/A
Signal word : N/A
Hazard statement : N/A
Precautionary statements :

P201: Obtain special instructions before use
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. [As modified by IV ATP[5]]
P233: Keep container tightly closed.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting/…/equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P280: Wear protective gloves/protective clothing/eye protection/face protection. [As modified by IV ATP]
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. [As modified by IV ATP]
P308+313: If exposed: Call a POISON CENTER or doctor/physician.
P370+378: In case of fire: Use … to extinguish. [As modified by IV ATP]
P403+235: Store in a well ventilated place. Keep cool.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Concentration
water	7732-18-5	≤ 60
COCONUT OIL AMIDOPROPYL BETAINE	61789-40-0	≤ 5
SODIUM LAURYL ETHOXYSULFATE	68891-38-3	≤ 20
GLYCERIN	56-81-5	≤ 10

4. FIRST AID MEASURES

In case of eye contact

Immediately flush eyes with plenty of water.
Get medical attention, if irritation persists.

In case of skin contact

Get medical attention, if irritation persists.
Wash with soap and water.

If inhaled

Remove to fresh air.
Get medical attention.

If swallowed

Get medical attention.

5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point : NOT DETERMINED

Autoignition Temperature : NOT DETERMINED

Burning Rate : NOT DETERMINED

Suitable extinguishing media
- Alcohol resistant foam, CO2, Water spray, dry sand

Specific hazards arising from the chemical
- It may cause metal corrosion.
- When fire, it may cause irritative and corrosiveness toxic gas.

Special protective equipment for fire-fighters
- Use proper protective equipments
- Get out of the place, and ectinguish the fire with keeping a distace

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
- Eliminate all of the ignition source

Environmental precautions
- Do not allow to be flown into waterway, drain and basement.

Methods and materials for containment and cleaning up
- Absorb liquid and flush contaminated area with detergent and water.

7. HANDLING AND STORAGE

Precautions for safe handling
- Be aware of substances to avoid and conditions.

Conditions for safe storage
- Keep only in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameter

	KOSHA	US ACGIH

Personal protective equipment

Respiratory protection :
Wear respiratory protection suitable for the characteristics of the exposed material.

Hand protection :
Wear respiratory protection suitable for the characteristics of the exposed material.

Eye protection : not available
Wear respiratory protection suitable for the characteristics of the exposed material.

Skin and body protection : not available
Wear respiratory protection suitable for the characteristics of the exposed material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : LIQUID

pH : 6-7

Flash point : NOT DETERMINED

Autoignition temperature : NOT DETERMINED

Water solubility : NOT DETERMINED

Density : N/A

Melting range : N/A

Lower explosion limit : N/A

Upper explosion limit : N/A

10. STABILITY AND REACTIVITY

Chemical stability
- It may cause metal corrosion.
- When fire, it may cause irritative and corrosiveness toxic gas.

Conditions to avoid:
-Heat, spark, ignition sources

Materials to avoid :
- Combustible material

Hazardous decomposition products :
- When fire, it may cause irritative and corrosiveness toxic gas.

11. TOXICOLOGICAL INFORMATION

	Acute toxicity		Skin corrosion/irritation
	oral toxicity	dermal toxicity	
COCONUT OIL AMIDOPROPYL BETAINE	LD50 4900 ㎎/㎏ Rat	LD50 > 2000 ㎎/㎏ Rat	slight irritation(rabbit)
SODIUM LAURYL ETHOXYSULFATE			

	Serious eye damage / eye irritation	Respiratory or skin sensitization
COCONUT OIL AMIDOPROPYL BETAINE	medium irritation	
SODIUM LAURYL ETHOXYSULFATE		

	Germ cell mutagenicity	Carcino-genicity	Reproductive toxicity
COCONUT OIL AMIDOPROPYL BETAINE	In vitro - Salmonella thyphimurium/TA98, TA100, TA1535, TA1538 Ames test)(GLP): Negative		
SODIUM LAURYL ETHOXYSULFATE			

	Specific target organ toxicity		Aspiration hazard
	single exposure	repeated exposure	
COCONUT OIL AMIDOPROPYL BETAINE		rat/oral (0, 250, 500, 1000 mg/kg for 90d): NOAEL >250mg/kg	
SODIUM LAURYL ETHOXYSULFATE			

12. ECOLOGICAL INFORMATION

	Toxicity		
	Fish	Crustacean	Birds
COCONUT OIL AMIDOPROPYL BETAINE	LC50 1 ㎎/ℓ 96 hr Brachydanio rerio	EC50 6.5 ㎎/ℓ 48 hr Daphnia magna	ErC50 1.3 ㎎/ℓ 72 hr Scenedesmus subspicatus
SODIUM LAURYL ETHOXYSULFATE			

	Persistence and degradability	Bioaccumulative potential		Mobility in soil
		Bio accumulation	Bio degradable	
COCONUT OIL AMIDOPROPYL BETAINE			100 (%) 20 day	
SODIUM LAURYL ETHOXYSULFATE				

13. DISPOSAL CONSIDERATIONS

Disposal consideration

Refer to local regulations

Disposal precaution

Refer to local regulations

14. TRANSPORT INFORMATION

UN TDG : N/A

IMDG : N/A

IATA : N/A

15. REGULATORY INFORMATION

Korea Industrial Safety and Health Act : N/A

Korea Hazardous Materials Safety Control Act : N/A

Korea Toxic Chemicals Control Act : N/A

16. OTHER INFORMATION

Issued Date : 2024.12.20

Revision No. :

Revision Date :

Reference

- GHS Classification : KOSHA
- Physical and chemical properties : KOSHA
- Transport information : KOSHA
- Toxic information : KOSHA
- Ecological information : KOSHA