

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PURE SKIN ACID PRE-WASH & SHAMPOO S (1L)
company : COSMEDICINE
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Gyeongsangnam-do, KOREA
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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 : Corrosive to metals CATEGORY 1
Health hazard : Acute toxicity, dermal CATEGORY 2
Skin corrosion/irritation CATEGORY (1A/1B/1C)
Serious eye damage/irritation CATEGORY 1
Environment hazard : N/A

Label elements including precautionary statements



Symbol :

Signal word : WARNING

Hazard statement :

H290: May be corrosive to metals

H310: Fatal in contact with skin

H314: Causes severe skin burns and eye damage

H318: Causes serious eye damage

Precautionary statements :

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

P234: Keep only in original container.

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.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/ shower.

P370+378: In case of fire: Use water to extinguish.

P403+235: Store in a well ventilated place. Keep cool.

P406: Store in a corrosive resistant/... container with a resistant inner liner.

P501: Dispose of contents/container to ... [... in accordance with local/regional/national/international regulation (to be specified)].

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Concentration
water	7732-18-5	≤70
COCONUT OIL	61789-40-0	≤2
AMIDOPROPYL BETAINE		
C10-16 ALKYL		
BENZENESULFONIC ACID	68584-22-5	≤10
fragrance		≤0.3
glycerin	56-81-5	≤5

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 extinguish the fire with keeping a distance

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 : glycerin - TWA - 10mg/m³

US ACGIH : N/A

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 : 1~2

Flash point : N/A

Autoignition temperature : N/A

Water solubility : N/A

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	
water	LD50 90000 mg/kg Rat (LD50 > 90 ml/kg (Rat))		
COCONUT OIL AMIDOPROPYL BETAINE	LD50 4900 mg/kg Rat	LD50 > 2000 mg/kg Rat	slight irritaion (rabbit)
C10-16 ALKYL BENZENESULFONIC ACID	LD50 1350 mg/kg Rat (LD50=1350 mg/kg (OECD TG 401) (IUCIID))	LD50 530 ~ 1060 mg/kg Rat (LD50=530-1060 mg/kg (IUCIID))	strong irritaion (rabbit)
glycerin	LD50 27000 mg/kg Rat	LD50 45 ml/kg Guinea pig	

	Serious eye damage / eye irritation	Respiratory or skin sensitization
water		
COCONUT OIL AMIDOPROPYL BETAINE		
C10-16 ALKYL BENZENESULFONIC ACID		
glycerin		

	Germ cell mutagenicity	Carcino-geni city	Reproductive toxicity
water			
COCONUT OIL AMIDOPROPYL BETAINE	In vitro – Salmonella thyphimurium/TA98, TA100, TA1535, TA1538 (Ames test)(GLP): Negative		
C10-16 ALKYL BENZENESULFONIC ACID	n vitro–(Salmonella typhimurium TA 98, 100, 1535, 1537, 1538): Negative (IUCLID)		
glycerin	(S. typhimurium TA1535, TA1537, TA98, TA100)		

	Specific target organ toxicity		Aspiration hazard
	single exposure	repeated exposure	
water			
COCONUT OIL AMIDOPROPYL BETAINE		(0, 250, 500, 1000 mg/kg for 90d): NOAEL >250mg/kg	
C10-16 ALKYL BENZENESULFONIC ACID			
glycerin			

12. ECOLOGICAL INFORMATION

	Toxicity		
	Fish	Crustacean	Birds
water			
COCONUT OIL AMIDOPROPYL BETAINE	LC50 1 mg/ℓ 96 hr Brachydanio rerio	EC50 6.5 mg/ℓ 48 hr Daphnia magna	ErC50 1.3 mg/ℓ 72 hr Scenedesmus subspicatus
C10-16 ALKYL BENZENESULFONIC ACID	LC50 3 mg/ℓ 96 hr Oncorhynchus mykiss	EC50 2.9 mg/ℓ 48 hr Daphnia magna	EC50 170 mg/ℓ 96 hr
glycerin	LC50 54000 mg/ℓ 96 hr Oncorhynchus mykiss	LC50 1955 mg/ℓ 48 hr Daphnia magna	EC3 > 10000 mg/ℓ 8 day Scenedesmus quadricauda

	Persistence and degradability	Bioaccumulative potential		Mobility in soil
		Bio accumul ation	Bio degradable	
water	log Kow -1.38			
COCONUT OIL AMIDOPROPYL BETAINE		BCF 3.162	100 (%) 20 day	
C10-16 ALKYL BENZENESULFONIC ACID	log Kow 2	BCF 3.16	80 (%) 28 day (OECD TG 301 B)	
glycerin	01 -1.75 log Kow	01 3 BCF		

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