

ELOTANT™ MILCOSIDE100

Material Safety Data Sheet

1. Chemical Product and Company Identification

a. Product name	ELOTANT MILCOSIDE100
b. Product use	Wetting agent; Plasticizer, Release agent, Foaming Agent, Dish Wash, Hair Care, Body Wash, Detergent, Cosmetics, Liquid soap.
c. Company Identification	
Manufacturer	LG Household & Healthcare Ltd. LG GwangHwaMoon Building 58, Saemunanro, Jongno-gu, Seoul South Korea
Emergency phone number	Tel : 82-505-305-7007

2. Hazard Identification

a. Classification of the substance or mixture	Eye Dam. 1
b. GHS label elements, including precautionary statements	



Signal words
Hazard statements

Danger
H318 Causes serious eye damage

Precautionary statements

Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Response

P310 Immediately call a POISON CENTER/doctor/...

Storage

Not applicable

Disposal

Not applicable

c. Other hazards which do not result in classification

Health	1
Flammability	1
Reactivity	0

3. Composition/information on ingredients

Component name/ INCI name	CAS Number	%(w/w)
Caprylyl/ Capryl Glucoside	68515-73-1	48~52%
Water	7732-18-5	48~52%

4. First-aid measures

- a. First-aid measures general
No general information.
- b. Following inhalation
Use a bag valve mask or similar device to perform artificial respiration (rescue breathing) if needed.
Get medical attention immediately.
- c. Following skin contact
Remove contaminated clothing immediately.
Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes).
Remove contaminated clothing immediately.
- d. Following eye contact
Wash eyes immediately with large amounts of water.
Get medical attention immediately.
- e. Following ingestion
Contact local poison control center or physician immediately.
Give large amounts of water. Allow vomiting to occur.

5. Fire-fighting measures

- a. Extinguishing media
Suitable extinguishing media
Carbon dioxide, Regular dry chemical, Water , Dry powder, Fight lager fires with water spray or alcohol resistant foam (Large fire)
Unsuitable extinguishing media
None Known.
- b. Special hazards arising from the substance or mixture
Hazardous combustion products
Carbon oxide
- c. Advice for fire-fighters
Fire Fighting
Wear self contained breathing apparatus and protective gear.
Fire/Explosion Hazard
No additional information available.

6. Accidental release measures

- a. Personal precautions, protective equipment and emergency procedures
Contain the spilled liquid with sand or an inert absorbent material.
Avoid all possible sources of ignition (halogen, Spark, flame)

- b. Methods and materials for containment and cleaning up
Spill and releases

Wash residue from spill area with water containing detergent and flush to a sewer serviced by a permitted wastewater treatment facility.

7. Handling and storage

- a. Precautions for safe handling
- b. Conditions for safe storage

Normal precautions should be observed as for handling all chemicals.
Store in the original closed containers under dry conditions.
Keep away from incompatibles such as oxidizing agents, acids
Avoid all possible sources of ignition (halogen, Spark, flame)

8. Exposure controls/personal protection

- a. Indication for system design
- b. Individual protection measures
Respiratory protection

Ensure adequate ventilation.

Not applicable with adequate ventilation.
When processing in open systems with aerosol formation wear suitable respiratory protection to avoid inhalation of aerosol particles.

- Hand protection
- Eye protection
- Skin protection

Protective gloves
Use goggles
Protective work clothing

9. Physical and chemical properties

- a. Appearance (Physical state, Color)
- b. Odor
- c. Odor threshold
- d. pH
- e. Melting point/freezing point
- f. Initial boiling and boiling range
- g. Flash point
- h. Evaporation rate
- i. Flammability
- j. Upper/lower flammability
- k. Vapor pressure
- l. Solubility
- m. Vapor density
- n. Relative density
- o. Partition coefficient n-octanol/water (Log Kow)
- p. Auto-ignition temperature
- q. Decomposition temperature
- r. Viscosity
- s. Molecular weight

yellowish viscous liquid
Alcohol Odour
N/A
11 – 12 (10% aq. sol'n)
0 °C
100 °C
Not applicable
N/A
Non flammable
N/A
< 0.01 Pa at 20 °C
> 200 g/L at 20 °C
N/A
1.099 at 20 °C
< 1.77
N/A
N/A
100.0 ~ 500.0 cps at 20 °C
N/A

10. Stability and Reactivity

- | | |
|---------------------------------------|--|
| a. Reactivity | Hazardous polymerization will not occur. |
| b. Chemical stability | Stable under normal conditions. |
| c. Possibility of hazardous reactions | Under normal conditions of storage and use, hazardous reactions will not occur. |
| d. Conditions to avoid | Avoid heat, flames, sparks and other sources of ignition. |
| e. Incompatible materials | acids, Alkalines, caustics, halogens, reactive chemicals |
| f. Hazardous decomposition products | Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products : Carbon monoxide, Carbon dioxide |

11. Toxicological information

- | | |
|---|--|
| a. Information on the likely routes of exposures | |
| Inhalation | N/A |
| Acute | N/A |
| Skin | N/A |
| Eyes | Strong irritation |
| b. Symptoms related to physical, chemical and toxicological characteristics | |
| Oral Acute toxicity | LD50 > 2000 mg/kg bw (Rat, OECD Guideline 423) |
| Dermal Acute toxicity | LD50 > 2000 mg/kg bw (Rabbit, equivalent or similar to OECD Guideline 402) |
| Inhalation Acute toxicity (Vapour) | No data available. |
| Inhalation Acute toxicity (Dust/Mist) | No data available. |
| Skin corrosion & irritation | Not irritating (Rabbit, OECD Guideline 404) |
| Serious eye damage/eye irritation | Highly irritating (Rabbit, OECD Guideline 405) |
| Respiratory | No data available. |
| Skin sensitization | Not sensitizing (Guinea pig, male, OECD Guideline 406) |
| Carcinogenicity | N/A |
| Germ cell mutagenicity | Negative |
| Reproductive toxicity | NOAEL (P): 1000 mg/kg bw/day |
| Specific target organ toxicity (single exposure) | N/A |
| Specific target organ toxicity (repeated exposure) | NOAEL: 100 mg/kg bw/day |
| Aspiration hazard | N/A |

12. Ecological information

- | | |
|-------------------|---|
| a. Acute toxicity | |
| Fish | LC50(96h, <i>Brachydanio rerio</i>) >100 mg/L |
| Daphnia | EC50(48h, <i>Daphnia magna</i>) 10<EC50<100 mg/L |
| Algae | EC50(72h, <i>Scenedesmus subspicatus</i>) 10<EC50<100 mg/L |

b. Persistence and degradability
Degradability

Activated sludge, non-adapted, OECD Guideline 301E, readily biodegradable, 100% after 28day (DOC removal)

c. Bio accumulative potential
Log Kow

< 1.77

d. Mobility in soil

log Koc = 1.7 (OECD Guideline 121)

e. Other adverse effects

No additional information available.

13. Disposal consideration

a. Waste treatment methods

Small amounts may be diluted with plenty of water and washed away.

Waste incineration with the approval of the responsible local authority.

14. Transport information

a. UN number

N/A

b. UN proper shipping name

N/A

c. Transport hazard classes

N/A

d. Packing group

N/A

e. Environmental hazards

N/A

f. Special precautions for a user

Extraordinary step in fire

N/A

Extraordinary step in spill

N/A

15. Regulatory information

a. EU EINECS/ELINCS/NLP

All component are listed

b. Canada DSL/NDL

All component are listed

c. US TSCA

All component are listed

d. Korea KECI

All component are listed

e. China IECSC

All component are listed

f. Japan ENCS

All component are listed

g. Philippine PICCS

All component are listed

h. Australia AICS

All component are listed

16. Other information

a. Reference

IUCLID Chemical Data Sheet, EC-ECB

TOXNET, U.S. National Library of Medicine(<http://toxnet.nlm.nih.gov>)

Corporate Solution From Thomson Micromedex(<http://csi.micromedex.com>)

ECOTOX Database, EPA(<http://cfpub.epa.gov/ecotox>)

ECB-ESIS(European chemical Substances Information System)(<http://ecb.jrc.it/esis>)

The Chemical Database, The Department of Chemistry at the University of kron
(<http://ull.chemistry.uakron.edu/erd>)

International Chemical Safety Cards(ICSC)(<http://www.nihs.go.jp/ICSC>)

b. MSDS created	July 2010
Revised.1	01. Nov. 2011
Revised.2	15. May. 2013
Revised.3	07. Nov. 2013
Revised.4	06. Oct. 2015
Revised.5	25. Mar. 2017