



Date of issue for the 1st edition : 2024/01/30

Safety Data Sheet

Section 1. Identification of the substance/mixture and of the company/undertaking

Product identifier:

Product name: DHC LX-ME BRIGHTENING GEL

Product code (SDS NO): dD453-1

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the product: Cosmetics

Details of the supplier of the safety data sheet

Manufacturer/Supplier: DHC Corporation

Address: 2-7-1, Minami-azabu, Minato-ku, Tokyo 106-8571

Division: Reliability Assurance Unit

Telephone number: +81-3-3457-4436

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Section 2. Hazards identification

GHS classification and label elements of the product

Classification of the substance or mixture

Classification according to Hazard Communication Standard – 2012 (29 CFR 1910.1200)

Label elements

Labelling according to Hazard Communication Standard – 2012 (29 CFR 1910.1200)

No GHS label element

No Signal word

Section 3. Composition/information on ingredients

Mixture/Substance selection:

Mixture

Ingredient name	CAS No.	Content (%)
WATER	7732-18-5	30~ ≤100%
BUTYLENE GLYCOL	107-88-0	10~ ≤30%



GLYCERIN	56-81-5	3.0~ ≤ 10%
TRIETHYLHEXANOIN	7360-38-5	3.0~ ≤ 10%
DIGLYCERIN	59113-36-9	1.0~ ≤ 3.0%
PENTYLENE GLYCOL	5343-92-0	1.0~ ≤ 3.0%
TRANEXAMIC ACID	1197-18-8	1.0~ ≤ 3.0%
BIS-ETHOXYDIGLYCOL CYCLOHEXANE 1,4-DICARBOXYLATE	922165-31-9	0.3~ ≤ 1.0%
PHENOXYETHANOL	122-99-6	0.3~ ≤ 1.0%
CARBOMER	9003-01-4	0.1~ ≤ 0.3%
SODIUM ACRYLATE/SODIUM ACRYLOYLDIMETHYL TAURATE COPOLYMER	77019-71-7	0.1~ ≤ 0.3%
SORBITAN STEARATE	1338-41-6	0.1~ ≤ 0.3%
PEG-240/HDI COPOLYMER BIS-DECYLTETRADECETH-20 ETHER	N/A391	0.1~ ≤ 0.3%
ISOHEXADECANE	4390-04-9	0.1~ ≤ 0.3%
ALPHA-GLUCAN OLIGOSACCHARIDE	27707-45-5	~ ≤ 0.1%
ETHYLHEXYLGLYCERIN	70445-33-9	~ ≤ 0.1%
PHYTOSTERYL ISOSTEARYL DIMER DILINOLEATE	378789-55-0	~ ≤ 0.1%
TRIPROPYLENE GLYCOL	24800-44-0	~ ≤ 0.1%
POLYSORBATE 80	9005-65-6	~ ≤ 0.1%
FRAGRANCE	RR-29431-5	~ ≤ 0.1%
SODIUM METAPHOSPHATE	10361-03-2	~ ≤ 0.1%
SUCROSE COCOATE	91031-88-8	~ ≤ 0.1%
NIACINAMIDE	98-92-0	~ ≤ 0.1%
PCA	149-87-1	~ ≤ 0.1%



SODIUM HYDROXIDE	1310-73-2	~ ≤0.1%
SODIUM METABISULFITE	7681-57-4	~ ≤0.1%
GLYCYRRHIZA GLABRA (LICORICE) ROOT EXTRACT	84775-66-6	~ ≤0.1%
SODIUM HYALURONATE	9067-32-7	~ ≤0.1%

Components contributing to the hazard

Hazardous components related to GHS classification

PHENOXYETHANOL , ETHYLHEXYLGLYCERIN , SODIUM HYDROXIDE , SODIUM METABISULFITE

Section 4. First-aid measures

Descriptions of first-aid measures

General measures

If medical advice is needed, have product container or label at hand.

If you feel uncomfortable by using the product, don't use it. Call a doctor/physician if you feel unwell.

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Use appropriate extinguishing media suitable for surrounding facilities.

Advice for firefighters

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

Section 6. Accidental release measures

Personnel precautions, protective equipment and emergency procedures

Be careful not to slip on spilled area.

Methods and materials for containment and cleaning up

In case of small spill, wipe it off with cloth immediately.



Section 7. Handling and storage

Precautions for safe handling

Storage

Conditions for safe storage

- Keep away from direct sunlight.
- Keep out of reach of small children
- Do not store where there is a possibility of freezing.
- Do not store at high temperature and high humidity.

Section 8. Exposure controls/personal protection

Control parameters

Adopted value

- (SODIUM HYDROXIDE)
ACGIH(1992) STEL: C 2mg/m³ (URT, eye & skin irr)
- (SODIUM METABISULFITE)
ACGIH(1996) TWA: 5mg/m³ (URT irr)

OSHA-PEL

- (GLYCERIN)
TWA: 15mg/m³ (Total dust)
TWA: 5mg/m³ (Respirable fraction)
- (SODIUM HYDROXIDE)
TWA: 2mg/m³

NIOSH-REL

- (GLYCERIN)
See Appendix D
- (SODIUM HYDROXIDE)
STEL: C 2mg/m³

Exposure controls

Appropriate engineering controls

- Washing facilities should be available.

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

- Physical state: Cream
- Color: White to pale yellow



Odor: Aromatic odor

Melting point/Freezing point data is not available.

Boiling point or initial boiling point data is not available.

Flammability (gases, liquids and solids) data is not available.

Lower and upper explosion limit/flammability limit data is not available.

Flash point data is not available.

Decomposition temperature data is not available.

Self-Accelerating Decomposition Temperature/SADT data is not available.

pH: 5.0~6.5

Kinematic viscosity data is not available.

Solubility:

Solubility in water data is not available.

Solubility in solvent data is not available.

n-Octanol/water partition coefficient data is not available.

Vapor pressure data is not available.

Density and/or relative density data is not available.

Other information

Other safety characteristics

Evaporation rate data is not available.

Section 10. Stability and Reactivity

Chemical stability

Stable under normal storage/handling conditions.

Section 11. Toxicological Information

The product has not been subjected to toxicological testing. Refer to the available data on the constituents.

Information on toxicological effects

Acute toxicity

Acute toxicity (Oral)

[Data for components of the product]

[Table 3 of Annex VI to the CLP Regulations]

(PHENOXYETHANOL)

Category 4

(SODIUM METABISULFITE)



Category 4

Irritant properties

Skin corrosion/irritation

[Data for components of the product]

[Table 3 of Annex VI to the CLP Regulations]

(SODIUM HYDROXIDE)

Category 1A

Serious eye damage/irritation

[Data for components of the product]

[Table 3 of Annex VI to the CLP Regulations]

(PHENOXYETHANOL)

Category 1

(ETHYLHEXYLGLYCERIN)

Category 1

(SODIUM METABISULFITE)

Category 1

Allergenic and sensitizing effects data is not available.

Mutagenic effects data is not available.

Carcinogenicity

[IARC]

(CARBOMER)

Group 3 : Not classifiable as to its carcinogenicity to humans

[ACGIH]

(SODIUM METABISULFITE)

A4(1996) : Not Classifiable as a Human Carcinogen

Teratogenic effects data is not available.

Reproductive toxicity data is not available.

Specific target organ toxicity (STOT)

STOT-single exposure

[Data for components of the product]

[cat.3 (resp. irrit.)]

[Table 3 of Annex VI to the CLP Regulations]

(PHENOXYETHANOL)

STOT-repeated exposure data is not available.

Aspiration hazard data is not available.



Section 12. Ecological Information

The product has not been subjected to ecotoxicological testing. Refer to the available data on the constituents.

Ecotoxicity

Aquatic ecotoxicity

[Data for components of the product]

Hazardous to the aquatic environment (Long-term)

[Table 3 of Annex VI to the CLP Regulations]

(ETHYLHEXYLGLYCERIN)

Category 3

Water solubility

(BUTYLENE GLYCOL)

good (ICSC, 1997)

(GLYCERIN)

miscible (ICSC, 2006)

(TRIPROPYLENE GLYCOL)

miscible (ICSC, 1999)

(NIACINAMIDE)

very good (100 g/100ml, 20°C) (ICSC, 2008)

(SODIUM HYDROXIDE)

109 g/100 ml (20°C) (ICSC, 2010)

(SODIUM METABISULFITE)

54 g/100 ml (ICSC, 2002)

Persistence and degradability

[Data for components of the product]

(TRIPROPYLENE GLYCOL)

Not rapidly degradable (not readily degradable, BOD_Degradation : 2% METI existing chemical safety inspections, 1995)

Bioaccumulative potential

[Data for components of the product]

(GLYCERIN)

log Pow=-1.76 (ICSC, 2006)

(PHENOXYETHANOL)

log Pow=1.2 (ICSC, 2003)

(TRIPROPYLENE GLYCOL)

log Pow=-0.5 (ICSC, 1999)

(NIACINAMIDE)

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log Pow=-0.38 (ICSC, 2008)

(SODIUM METABISULFITE)

log Pow=-3.7 (ICSC, 2002)

Mobility in soil

Mobility in soil data is not available.

Other adverse effects

Ozone depleting chemical data is not available.

Section 13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

Waste treatment methods

Dispose of contents/container in accordance with local/national regulation.

Section 14. Transport Information

UN No., UN CLASS

UN No. or ID No.: Not applicable

UN Proper Shipping Name : Not applicable

Class or division (Transport hazard class) : Not applicable

Packing group : Not applicable

Not applicable to IMDG Code

Not applicable to IATA Dangerous Goods Regulations

Environmental hazards

MARPOL Annex III – Prevention of pollution by harmful substances

Marine pollutants (yes/no) : no

Special precautions for user

Special precautions for user is not applicable.

Section 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. Toxic Substances Control Act (TSCA) Inventory

Chemicals listed in TSCA Inventory

GLYCERIN; NIACINAMIDE; BUTYLENE GLYCOL; PHENOXYETHANOL; SORBITAN STEARATE;
SODIUM HYDROXIDE; ISOHEXADECANE; PENTYLENE GLYCOL; TRIETHYLHEXANOIN;



SODIUM METABISULFITE; WATER; CARBOMER; POLYSORBATE 80; SODIUM METAPHOSPHATE;
TRIPROPYLENE GLYCOL; DIGLYCERIN;
PEG-240/HDI COPOLYMER BIS-DECYLTETRADECETH-20 ETHER

Other regulatory information

Please consult your local regulatory authorities for any applicable regulations as we are unable to check your local regulatory information.

Chemical safety assessment

No chemical safety assessment has been carried out for this product.

Section 16. Other information

GHS classification and labelling

Not classified/Classification not possible

References and sources for data

Globally Harmonized System of classification and labelling of chemicals, UN
Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN
IMDG Code, 2018 Edition (Incorporating Amendment 39-18)
IATA Dangerous Goods Regulations (62nd Edition) 2021
2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
2022 TLVs and BEIs. (ACGIH)
Supplier's data/information
Hazard Communication Standard – 2012 (29 CFR 1910.1200)

General Disclaimer

This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety.

The GHS classification data given here is based on current EU official data (Consolidated version of the CLP Regulation published in 1.3.2022 and Commission delegated regulation (EU) 2021/849 (ATP17)).