

Last revised date : 2022-06-23
MSDS No. : AA00566-2100000221

Safety Data Sheet(SDS)

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

1) Product identifier : LDPE(MB9500)

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

○ Relevant identified uses

○ Uses advised against

Do not use other purposes., Except Coating, Injection Moldi/ng, Film, Wire Coating, Packaging

3) Supplier information

○ Company name [Manufacture]

Company : LG Chem, Ltd.

Address : 55, Yeosusandan 2-ro, Yeosu-si, Jeollanam-do, Republic of Korea

Emergency number : +82)061-680-1321

2. HAZARD IDENTIFICATION

1) Hazard classification

Not applicable

2) Allocation label elements

Hazard pictograms

Signal word

- NONE

Hazard statements

No data available

Precautionary statements

Not applicable

3) Other hazards No data available

○ Product NFPA Level

Health	Flamm ability	Reactivity
1	1	0

(※ 0 = Insufficient , 1 = Slightly , 2 = ordinary , 3 = Highness , 4 = Very high)

3. Composition/Information on ingredients

Components	Common name	CAS No.	PCT(wt%)
Polyethylene	Polyethylene	9002-88-4	100

4. FIRST AID MEASURES

1) Following eye contact

No data available

2) Following skin contact

No data available

3) Following inhalation

No data available

4) Following ingestion

No data available

5) Advice to physician

No data available

5. FIRE FIGHTING MEASURES

1) Suitable (and unsuitable) extinguishing media

○ Suitable extinguishing media

- No data available

○ Unsuitable extinguishing media

- No data available

2) Special hazards arising from the substance or mixture

- Pyrolytic product
 - No data available
- Risk of fire and explosion
 - No data available
- Other
 - No data available

3) Special protective equipment for firefighters

- No data available

6. ACCIDENTAL RELEASE MEASURES

1) Health considerations and protective equipment

No data available

2) Environmental precautions

No data available

3) For cleaning up

No data available

7. HANDLING AND STORAGE

1) Precautions for safe handling

No data available

2) Conditions for safe storage (including any incompatibilities)

No data available

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

1) Chemical exposure limits, Biological exposure standard

Components	Occupational exposure limits	ACGIH	Biological standard
Polyethylene	TWA : Not applicable STEL : Not applicable	TWA : Not applicable STEL : Not applicable	Not applicable

2) Appropriate engineering controls

- Not applicable

3) Personal protection equipment

- Respiratory protection
 - Wear breathing protection, which needs a confirmation from the Korea Occupational Safety and Health Agency.
 - If high frequency of use or exposure, wear air respirator.

- Eye protection
 - Wear suitable protective goggles and face shields.
- Hand protection
 - Wear suitable protective gloves.
- Body protection
 - Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	No data available
Physical state	Solid
Colour	White or Milky White
Odour	Odorless
Odour threshold	No data available
pH	No data available
Melting point/freezing point	85 ~ 140 °C
Initial boiling point and boiling range	No data available
Flash point	341 °C
Evaporation rate	No data available
Flammability(solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Solubility(ies)	Insolubility
Vapour density	No data available
Relative density	0.910~0.925
n-octanol/water partition coefficient	No data available
Auto ignition temperature	330-410 °C
Decomposition temperature	No data available
Viscosity	No data available
Molecular weight(mass)	(-CH ₂ -CH ₂ -)1,100~3,500 / 31,000-100,000g/mol

10. STABILITY AND REACTIVITY

- 1) Stability and hazardous reactivity
No data available
- 2) Conditions to avoid
No data available
- 3) Incompatible materials
No data available
- 4) Hazardous decomposition products
No data available

11. TOXICOLOGICAL INFORMATION

- 1) Exposure route information
 - Inhalation
 - Not applicable
 - Skin Contact
 - Not applicable
 - Eye Contact
 - Not applicable
 - Ingestion
 - Not applicable
- 2) Health hazard information
 - Acute toxicity
 - Acute toxicity(Oral)
LD50> 8000 mg / kg experimental species: Rat, Source: RTECS
 - Acute toxicity(Dermal)
No data available
 - Acute toxicity(Inhalation:Gases)
No data available
 - Acute toxicity(Inhalation:Vapours)
No data available
 - Acute toxicity(Inhalation:Dust/mist)
LC50 75.5 mg / l 30 min experimental species: Rat, Source: RTECS
 - Skin corrosion/irritation
No data available
 - Serious eye damage/eye irritation
No data available

- Respiratory sensitization

No data available

- Skin sensitization

No data available

- Carcinogenicity

3 (IARC), Source: IARC

- Germ cell mutagenicity

No data available

- Reproductive toxicity

No data available

- Specific target organ toxicity single exposure

If breathing dust causes inflammation of the lungs in laboratory animals (rats)., Source: Kochetkova, 1971

- Specific target organ toxicity repeated exposure

No data available

- Aspiration hazard

No data available

12. ECOLOGICAL INFORMATION

1) Aquatic toxicity

- Fish

No data available

- Crustacea

No data available

- Aquatic algae

No data available

2) Persistence and degradation

- n-octanol water partition coefficient

No data available

- Degradation

No data available

- Biodegradation

No data available

3) Bioaccumulative potential

No data available

4) Mobility in soil

No data available

5) Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

1) Disposal methods

- Every commercial waste producer shall either treat wastes generated from his/her place of business by him/herself or commission the treatment of such wastes to a person who has license for a waste treatment business under Article 26(3), a person who recycles of such wastes under Article 44(2), a person who has installed and operates a waste disposal facility under Article 4 or 5, a person who has completed the registration of a business of discharging wastes into the sea under Article 18 of the Marine Environment Management Act.

2) Precautions (including disposal of contaminated container of package)

- Do not allow spill material to enter sewers, storm water drains, soil, etc.

14. TRANSPORT INFORMATION

1) UN No. : Not applicable

2) Proper shipping name : Not applicable

3) Class or division : Not applicable

4) Packing group : Not applicable

5) Marine pollutant : Not applicable

6) Special safety response for transportation or transportation measure :

Emergency measures in case of fire : Not applicable

Emergency measures in the effluent : Not applicable

- ADR

- Tunnel restriction code : Not applicable

- IMDG

- Marine pollutant : Not applicable

- Air transport(IATA)

- UN No. : Not applicable
- Proper shipping name : Not applicable
- Class or division : Not applicable
- Packing group : Not applicable

15. REGULATORY INFORMATION

1) Occupational Safety and Health Act in Korea

- Not applicable

2) Toxic Chemical Control Act in Korea

- Not applicable

3) Safety Control of Dangerous Substances Act in Korea

- Not applicable

4) Wastes Control Act in Korea

- Designated waste (Not Applicable)

-In case of disposal, it must be disposed of in accordance with Article 13 of the Waste Management Act.

5) Other regulations in KOREA and Abroad regulations

- ETC regulation
 - Not applicable
 - Not applicable
- PERSISTENT ORGANIC POLLUTANTS CONTROL ACT
 - Not applicable
- Act on the registration and evaluation of chemicals
 - Existing Commercial Chemical Substances

16. OTHER INFORMATION

1) Reference

- HSDB
- ICSC
- Kochetkova, 1971
- Ministry of Employment and Labor
- Ministry of Environment
- RTECS

2) Print date : 2021-11-19

3) Revision date

- Revised date count : 1
- Last revised date : 2022-06-23
- Last revised history : HAZARD IDENTIFICATION Revision

4) Other

