



Last revised date : 06/01/2024

Safety Data Sheet(SDS)

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

- 1) Product identifier : MP220-H
- 2) Relevant identified uses of the substance or mixture and uses advised against
- Relevant identified uses
29.Polymer preparations and compounds
 - Uses advised against
Not applicable
- 3) Supplier information
- Company name [Manufacturer]
Company : LG Chem Ohio Petrochemical, Inc.
Address : 310 Rayann Pkwy, Ravenna, OH-44266

Emergency number : 1-800-424-9300

2. HAZARD IDENTIFICATION

- 1) Hazard classification
No data available
- 2) Allocation label elements
- Hazard pictograms
- NONE
- Hazard statements
No data available
- Precautionary statements
No data available
- 3) Other hazards
- Product NFPA Level

Health	Flammability	Reactivity
0	0	0

(※ 0 = Stable , 1 = Low , 2 = Medium , 3 = High , 4 = Very High)

3. Composition/Information on ingredients

Components	Common name	CAS No.	PCT(wt%)
ABS resin	ABS resin	9003-56-9	90 ~ 100
N,N'-ethylenedi(stearamide)	N,N'-ethylenedi(stearamide)	110-30-5	0.1 ~ 5

4. FIRST AID MEASURES

- 1) Following eye contact
 - In case of contact with material, immediately flush eyes with running water for at least 15 minutes.
- 2) Following skin contact
 - No data available
- 3) Following inhalation
 - No data available
- 4) Following ingestion
 - Get medical aid immediately.
- 5) Advice to physician
 - No data available

5. FIRE FIGHTING MEASURES

- 1) Suitable (and unsuitable) extinguishing media
 - o Suitable extinguishing media
 - Small fire: Dry sand, dry chemical, alcohol-resistant foam, water spray, regular foam, CO2 (Suitable extinguishing media).
 - o Unsuitable extinguishing media
 - High-pressure water (Unsuitable extinguishing media).
- 2) Special hazards arising from the substance or mixture
 - o Pyrolytic product
 - Specific hazards arising from the chemical : Carbon oxides
 - o Risk of fire and explosion
 - Some may burn but none ignite readily.
 - o Other
 - No data available
- 3) Special protective equipment for firefighters
 - Protective equipment and precautions to be worn in case of fire: Wear a breathing mask if possible

6. ACCIDENTAL RELEASE MEASURES

- 1) Health considerations and protective equipment
 - Wear suitable personal protective equipment
- 2) Environmental precautions
 - No data available
- 3) For cleaning up
 - No data available

7. HANDLING AND STORAGE

- 1) Precautions for safe handling
 - Caution: Dangerous fire hazard when exposed to heat, or flame, sparks.
- 2) Conditions for safe storage (including any incompatibilities)
 - Store in a cool/low-temperature, well-ventilated dry place away from heat and ignition sources

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components	Occupational exposure limits	ACGIH	Biological standard
ABS resin	TWA : Not applicable STEL : Not applicable	TWA : Not applicable STEL : Not applicable	Not applicable
N,N'-ethylenedi(stearamide)	TWA : Not applicable STEL : Not applicable	TWA : Not applicable STEL : Not applicable	Not applicable

- 2) Appropriate engineering controls
 - Not applicable
- 3) Personal protection equipment
 - o Respiratory protection
 - If high frequency of use or exposure, wear air respirator.
 - Wear breathing protection, which needs a confirmation from the Korea Occupational Safety and Health Agency.
 - o Eye protection
 - Wear suitable protective goggles and face shields.
 - o Hand protection
 - Wear suitable protective gloves.
 - o Body protection
 - Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	pellet
Physical state	solid
Colour	No data available
Odour	No data available
Odour threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
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)	No data available
Vapour density	No data available
Relative density	No data available
n-octanol/water partition coefficient	No data available
Auto ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Molecular weight(mass)	No data available

10. STABILITY AND REACTIVITY

- 1) Stability and hazardous reactivity
 - Fire may produce irritating and/or toxic gases.
 - Some may burn but none ignite readily.
- 2) Conditions to avoid
 - Ignition source(heat, spark, flame, etc.).
- 3) Incompatible materials
 - No data available
- 4) Hazardous decomposition products
 - No data available

11. TOXICOLOGICAL INFORMATION

- 1) Exposure route information
 - Inhalation
 - After inhalation: No data
 - Skin Contact
 - Not applicable
 - Eye Contact
 - Not applicable
 - Ingestion
 - Not applicable
- 2) Health hazard information
 - Acute toxicity
 - Acute toxicity(Oral) PRODUCT : Not classified
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : LD50> 5000 mg / kg, Source: IUCLID
 - Acute toxicity(Dermal) PRODUCT : Not classified
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : LD50> 2000 mg / kg, Source: IUCLID

- Acute toxicity(Inhalation:Gases) PRODUCT : Not classified
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : No data available
- Acute toxicity(Inhalation:Vapours) PRODUCT : Not classified
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : No data available
- Acute toxicity(Inhalation:Dust/mist) PRODUCT : Not classified
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : No data available
- Skin corrosion/irritation PRODUCT : Not classified
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : No data available
- Serious eye damage/eye irritation PRODUCT : Not classified
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : No data available
- Respiratory sensitization PRODUCT : Not classified
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : No data available
- Skin sensitization PRODUCT : Not classified
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : No data available
- Carcinogenicity PRODUCT : Not classified
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : No data available
- Germ cell mutagenicity PRODUCT : Not classified
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : In vitro / audio, Source: IUCLID
- Reproductive toxicity PRODUCT : Not classified
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : No data available
- Specific target organ toxicity single exposure PRODUCT : Not classified
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : No data available
- Specific target organ toxicity repeated exposure PRODUCT : Not classified
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : No data available
- Aspiration hazard PRODUCT : Not classified
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : No data available

12. ECOLOGICAL INFORMATION

1) Aquatic toxicity > PRODUCT : Not classified

- Fish
 - ABS resin : LC50 11.5 mg / l 96 hr Pimephales promelas, Source: ECOTOX
 - N,N'-ethylenedi(stearamide) : No data available
- Crustacea
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : No data available
- Aquatic Algae
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : No data available

2) Persistence and degradation

- n-octanol water partition coefficient
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : 13.98 log Kow (@ 25 °C), Source: ECHA
- Degradation
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : No data available
- Biodegradation
 - ABS resin : No data available
 - N,N'-ethylenedi(stearamide) : 15 (%) 28 day (), Source: IUCLID

3) Bioaccumulative potential

- ABS resin : No data available
- N,N'-ethylenedi(stearamide) : No data available

4) Mobility in soil

- ABS resin : No data available
- N,N'-ethylenedi(stearamide) : No data available

5) Other adverse effects > PRODUCT : Not classified

- ABS resin : No data available
- N,N'-ethylenedi(stearamide) : 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

- Global Inventory - USA. List of Active Substances on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory (as amended through 20 February 2024)

- ABS resin

- N,N'-ethylenedi(stearamide)

- ETC regulation - EPCRA (SARA Title III) Section 302 Extremely Hazardous Substance (EHS) (40 CFR 355, Appendix A)

Not applicable

- ETC regulation - OSHA Hazard Communication Standard: On One of the Floor Lists of the OSHA HCS (29 CFR 1910.1200)

Not applicable

- ETC regulation - EPCRA (SARA Title III) Section 313 Toxic Chemical Release Inventory (TRI) Reporting (as amended through 31 October 2023)

Not applicable

- ETC regulation - CERCLA Hazardous Substances [other than radionuclides] (40 CFR 302.4) (as amended by 75 FR 78918, Dec. 17, 2010)

Not applicable

- ETC regulation - RCRA Appendix VII: Hazardous Wastes (40 CFR 261, App. VII, Basis for Listing Hazardous Waste)

Not applicable

- ETC regulation - CERCLA. Radionuclides and their Reportable Quantities (40 CFR 302.4, App. B)

Not applicable

- ETC regulation - RCRA D List of Characteristic Hazardous Wastes (40 CFR 261.21-24)

Not applicable

- ETC regulation - RCRA F List of Hazardous Wastes from Non-Specific Sources (40 CFR 261.31(a)) (as amended by 73 FR 31756, June 4, 2008)

Not applicable

- ETC regulation - RCRA K List of Hazardous Wastes from Specific Sources (40 CFR 261.32)

Not applicable

- ETC regulation - RCRA P List of Hazardous Wastes (40 CFR 261.33(e) and 40 CFR 302 [CERCLA])

Not applicable

- ETC regulation - RCRA U List of Hazardous Wastes (40 CFR 261.33(f) and 40 CFR 302 [CERCLA], as amended 75 FR 78918, Dec 17, 2010)

Not applicable

- ETC regulation - DOT Hazardous Materials Table Listings (49 CFR 172.101, as amended through October 31, 2013)

Not applicable

- ETC regulation - EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

Not applicable

16. OTHER INFORMATION

1) Reference

2) Print date : 06/01/2024

3) Revision date

○ Revised date count : 0

○ Last revised date : 06/01/2024

○ Last revised history :

4) Other