

# Safety Data Sheet(SDS)

Last revised date : 20-01-2023

## 1. Identification

1) Product identifier : PC/ABS LP-1010

2) Recommended use of the chemical and restrictions on use

○ Recommended use of the chemical

Others(Synthetic Resin Plastics)

○ Restrictions on use

3) Details of the supplier of the safety data sheet

○ Seller

Company name : Lotte Chemical Corporation

Address : 05551 Lotte World Tower, 300, Olympic-ro, Songpa-gu, Seoul, 05551 Rep. of KOREA

Telephone number :

Basic Chemicals	+82-2-829-4114	Advanced Materials	+82-31-596-3114
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Emergency phone number

Yeosu Plant	+82-61-688-2100	Ulsan Plant	+82-52-278-3500
Daesan Plant	+82-41-689-5900	Yeosu Plant(Advanced Materials)	+82-61-689-1100

Fax number : +82-2-834-6070

## 2. Hazards identification

1) Hazard classification

- Not applicable

2) Allocation label elements

Hazard pictograms

- Not applicable

Signal word

- NONE

Hazard statements

- Not applicable

## Precautionary statements

- Not applicable

### 3) Other hazards:

According to experience and information provided, this product does not affect harmful effects when using and handling it as a regulation.

## 3. Composition/Information on ingredients

Chemical name	Common name	CAS No.	Content(wt%)
2,2-Bis(4-hydroxyphenyl)propane	Poly[oxycarbonyloxy-1,4-phenylene(1-methylethylidene)-1,4-phenylene]	24936-68-3	$\geq 54 \sim \leq 64$
polymer with 1,3-butadiene and ethenylbenzene	ABS Resin	9003-56-9	$\geq 28 \sim \leq 38$
기타첨가제			$\geq 4 \sim \leq 14$
C.I. pigment black 028	Copper chromite black spinel	68186-91-4	$\geq 1 \sim \leq 10$

○ remarks

화평법('화학물질 등록 및 평가 등에 관한 법률') 등록 면제 : 24936-68-3, 면제 확인 번호(제07-1611-021938호)

## 4. First-aid measures

### 1) Following eye contact

- Call a physician immediately.

### 2) Following skin contact

- Get medical attention if irritation develops and persists.  
- Remove contaminated clothing and shoes.

### 3) Following inhalation

- If symptoms persist, call a physician.  
- Move to fresh air.

### 4) Following ingestion

- If accidentally swallowed obtain immediate medical attention.

### 5) Delayed and immediate effects and also chronic effects from short and long term exposure

No data available

### 6) Advice to physician

- In the case of accident or if you feel unwell, seek medical advice immediately.

## 5. Fire-Fighting measures

- 1) Suitable (and unsuitable) extinguishing media
  - Suitable extinguishing media
    - Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
  - Unsuitable extinguishing media
    - Do not use a solid water stream as it may scatter and spread fire.
- 2) Special hazards arising from the substance or mixture
  - Pyrolytic product
    - No data available
  - Risk of fire and explosion
    - Heating or fire can release toxic gas.
  - Other
    - May cause toxic effects if inhaled.
- 3) Special protective equipment for firefighters
  - In the event of fire, wear self-contained breathing apparatus.

## 6. Accident release measures

- 1) Personal precautions, protective equipment and emergency procedures
  - Avoid dust formation.
- 2) Environmental precautions
  - Try to prevent the material from entering drains or water courses.
- 3) Methods and materials for containment and cleaning up
  - Keep in suitable, closed containers for disposal.
  - Pick up and arrange disposal without creating dust.

## 7. Handling and storage

- 1) Precautions for safe handling
  - For personal protection see section 8.
  - Smoking, eating and drinking should be prohibited in the application area.
- 2) Conditions for safe storage (including any incompatibilities)
  - Please note that materials and conditions to be avoided.
  - Store in a dry place. Store in a closed container.

## 8. Exposure controls & personal protection

### 1) Chemical exposure limits, Biological exposure standard

- Contains no substances with occupational exposure limit values.

### 2) Appropriate engineering controls

- Ensure adequate ventilation and exhaust ventilation at the workplace.

### 3) Personal protective equipment

#### ○ Respiratory protection

- If you have a direct contact or exposed to the material, wear the appropriate form of respiratory protection certified.

#### ○ Eye protection

- If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles.

#### ○ Hand protection

- Wear chemical safety gloves.

#### ○ Skin protection

- Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

## 9. Physical and chemical information

Property name	Values	Source
Appearance		
Physical state	Soild (pellet)	
Color	Depends on customer needs	
Odor	Odorless	
Odor threshold	Not applicable	
pH	Not applicable	
Melting point/freezing point	No data available	
Initial boiling point and boiling range(°C)	Not applicable	
Flash point(°C)	449°C	
Evaporation rate	Not applicable	
Flammability(solid, gas)	No data available	
Upper/lower flammability or explosive limits	No data available	
Vapour pressure	Not applicable	
Solubility(ies)	Insolubility	
Vapour density	Not applicable	
Relative density	No data available	
n-octanol/water partition coefficient	Not applicable	

Auto ignition temperature	≥ 400°C	
Decomposition temperature	No data available	
Viscosity(mm <sup>2</sup> /s, 40°C)	Not applicable	
Molecular weight(mass)	20,000 ~ 40,000	
Specific gravity	1.15~1.50	

## 10. Stability and reactivity

### 1) Chemical stability and Possibility of hazardous reactions

- No decomposition if stored and applied as directed.
- Stable at normal ambient temperature and pressure.

### 2) Conditions to avoid

- Follow precautionary advice and avoid incompatible materials and conditions

### 3) Incompatible materials

- Combustible material

### 4) Hazardous decomposition products

- This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regula

## 11. Toxicological information

### 1) Information on the likely routes of exposure

- No data available

### 2) Health hazard information

#### ○ Acute toxicity

- Acute toxicity(Oral) PRODUCT : Not classified
  - No data available
- Acute toxicity(Dermal) PRODUCT : Not classified
  - No data available
- Acute toxicity(Inhalation:Gases) PRODUCT : Not classified
  - No data available
- Acute toxicity(Inhalation:Vapours) PRODUCT : Not classified
  - No data available
- Acute toxicity(Inhalation:Dust/mist) PRODUCT : Not classified
  - No data available

- Skin corrosion/irritation PRODUCT : Not classified
  - No data available
- Serious eye damage/eye irritation PRODUCT : Not classified
  - No data available
- Respiratory sensitization PRODUCT : Not classified
  - No data available
- Skin sensitization PRODUCT : Not classified
  - No data available
- Carcinogenicity PRODUCT : Not classified
  - No data available
- Germ cell mutagenicity PRODUCT : Not classified
  - No data available
- Reproductive toxicity PRODUCT : Not classified
  - No data available
- Specific target organ toxicity single exposure PRODUCT : Not classified
  - No data available
- Specific target organ toxicity repeated exposure PRODUCT : Not classified
  - No data available
- Aspiration hazard PRODUCT : Not classified
  - No data available

## 12. Ecological information

### 1) Ecotoxicity

- Fish
  - polymer with 1,3-butadiene and ethenylbenzene
  - : LC50 11.5 mg / ℓ 96 hr Pimephales promelas
- Crustaceans
  - No data available
- Aquatic algae
  - No data available

### 2) Persistence and degradability

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

- Empty containers should be taken to an approved waste handling site for recycling or disposal.

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

- Dispose of in accordance with local regulations.
- Send to a licensed waste management company.

### 14. Transport information

1) UN No. : Not applicable

2) Proper shipping name : Not applicable

3) Hazard class : Not applicable

4) Packing group : Not applicable

5) Marine pollutant : No

6) Special precautions for user related to transport or transportation measures :

Emergency measures in case of fire : Not applicable

Emergency measures in the effluent : Not applicable

- ADR

· Tunnel restriction code : Not applicable

- IMDG

· Marine pollutant : No

- Air transport(IATA)

· UN No. : Not applicable

· Proper shipping name : Not applicable

· Class or division : Not applicable

· Packing group : Not applicable

### 15. Regulatory information

Australia Industrial Chemicals Act

- Not applicable

China Inventory of Existing Chemical Substances (IECSC)

- Inventory - China - Inventory of Existing Chemical Substances (IECSC)

- 2,2-Bis(4-hydroxyphenyl)propane polycarbonate : Present [21562]

- polymer with 1,3-butadiene and ethenylbenzene : Present [03641]

- C.I. pigment black 028 : Present [37093]

92/32/EEC

- Not applicable

European Union Official Journal of the European Communities 15 June 1990 - Annex Based on Article 13 of Directive 67/548/EEC Amended by Directive 79/831/EEC

• Inventory - European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

- C.I. pigment black 028 : 269-053-7

Japan Law Concerning the Examination and Regulations of Manufacture, etc. of Chemical Substances

• Inventory - Japan - Existing and New Chemical Substances (ENCS)

- 2,2-Bis(4-hydroxyphenyl)propane polycarbonate : (7)-738

- polymer with 1,3-butadiene and ethenylbenzene : (6)-176

- C.I. pigment black 028 : (1)-284, (1)-297, (1)-475

New Zealand Environmental Protection Authority, Inventory of Chemicals

• Inventory - New Zealand - Inventory of Chemicals (NZIoC)

- 2,2-Bis(4-hydroxyphenyl)propane polycarbonate : May be used as a single component chemical under an appropriate group standard

- polymer with 1,3-butadiene and ethenylbenzene : May be used as a single component chemical under an appropriate group standard

- C.I. pigment black 028 : May be used as a single component chemical under an appropriate group standard

Turkey Regulation on Inventory and Control of Chemicals

- Not applicable

Taiwan Chemical Substance Inventory

• Inventory - Taiwan - Taiwan Chemical Substance Inventory (TCSI)

- 2,2-Bis(4-hydroxyphenyl)propane polycarbonate : Present

- polymer with 1,3-butadiene and ethenylbenzene : Present

- C.I. pigment black 028 : Present

Vietnam National Chemicals Inventory (NCI)

• Inventory - Vietnam - National Chemicals Inventory (NCI) (DRAFT)

- 2,2-Bis(4-hydroxyphenyl)propane polycarbonate : Present 15829

- polymer with 1,3-butadiene and ethenylbenzene : Present 12125



- C.I. pigment black 028 : Present 21992

## 16. Other information

### 1) Reference

NCIS, KOSHA, Montreal Protocol, ECHA, OECD SIDS, EU IUCLID, HSDB(PubChem), NITE, NTP, ACGIH, IARC, NIOSH, ChemIDplus, EPA, EPI Suite, INCHEM

### 2) Issue date : 20-01-2023

### 3) Revision date

- Revised date count : 2-1
- Last revised date : 20-01-2023