

# Safety Data Sheet(SDS)

Last revised date : 26-12-2022

#### 1. Identification

- 1) Product identifier : PC QC-1102UR
- 2) Recommended use of the chemical and restrictions on use
  - Recommended use of the chemical Others(Synthetic Resin Plastics)
  - Restrictions on use

Use for recommended use only Do not use it for weapons manufacturing and related purposes.

- 3) Details of the supplier of the safety data sheet
  - $\circ \, \text{Seller}$

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		
Eme	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 polycarbonate	Poly[oxycarbonyloxy-1,4-ph enylene(1-methylethylidene )-1,4-phenylene]	24936-68-3	>=99 ~ <=99.9
Addtive			>=0.1 ~ <=10

# 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
  - $^{\circ}$  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.
  - $^{\circ}$  Eye protection
    - If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles.

• Hand protection

- Wear chemical safety gloves.
- $\circ$  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	
Color	Depends on customer needs	
Odor	Odorless	
Odor threshold	No data available	
рН	No data available	
Melting point/freezing point	215-225	
Initial boiling point and boiling range(°C)	No data available	
Flash point(°C)	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	400°C over	
Viscosity(mm²/s, 40°C)	exp(395.15-(243,000/T)8Mw^(24900/T-39.8)	
Molecular weight(mass)	10,000 ~ 80,000 (active)	
Specific gravity	1.17-1.21	

# 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

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 of 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
  - $\cdot$  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]

#### 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

- Not applicable

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

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

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

U.S. Toxic Substances Control Act

Vietnam National Chemicals Inventory (NCI)

- Inventory Vietnam National Chemicals Inventory (NCI) (DRAFT)
- 2,2-Bis(4-hydroxyphenyl) propane polycarbonate : Present 15829

# 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 : 26-12-2022

#### 3) Revision date

- Revised date count : 2-1
- Last revised date : 26-12-2022