

 LG Chem LG chem Limited 762-1 Joonghung-dong, Yeosu city, Jeollanam-do, KOREA 555-805 Tel : 82-61-680-6722 Fax : 82-61-680-6729	MSDS (MATERIAL SAFETY DATA SHEET) Grade : LUPOY PC 1303EP Polycarbonate Resin	File Number	MSDS- LGPC- 014E
		Issue Date	2011.04.01
		Revised Date	
		Revised Item	
		Page	1/4

1. PROUDUCT AND COMPANY IDENTIFICATION

a.	Chemical Product Name	Polycarbonate(LUPOY)
b.	Usage	Electronic Goods, Automotive parts, Package, etc
c.	Chemical Type	Thermoplastics, Pellet
d.	Manufacturer's Address	LG chem Limited, 762-1 Joonghung-dong, Yeosu city Jeollanam-do, KOREA, 555-805
e.	Prepared By	ABS / EP Division, PC Technology team

2. HAZARDS IDENTIFICATION

a.	Symbol(s) : None
b.	Signal word : None
c.	Physical Hazards - Physical state : Pellet - Hazard Classification : Not classified.
d.	Environmental Hazards - Hazard Classification : Not classified.

3. COMPOSITION/INFORMATION ON INGREDIENTS

	<u>CAS Number</u>	<u>Contents</u>
a.	Polycarbonate	103598-77-2 > 99%

4. FIRST AID MEASURES

a.	Never give fluids or induce vomiting if patient is unconscious or is having convulsions.
b.	Inhalation No adverse effects anticipated by this route of exposure incidental to proper industrial handling.
c.	Skin Contact Wash off in flowing water or shower.
d.	Eye Contact Irrigate immediately with water for at least 5 minutes. Mechanical irritation only.
e.	Ingestion No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

5. FIRE FIGHTING MEASURES

a.	Extinguishing Media Water. Carbon Dioxide. Dry Chemical. Synthetic Foams.
b.	Protection Of Firefighters Wear positive-pressure self-contained breathing apparatus and protective fire fighting clothing (Includes fire fighting helmet, coat, trousers, boots, and gloves)
c.	Hazardous Combustion Products Dense smoke is emitted when burned without sufficient oxygen. The smoke may contain combustion products of varying composition in addition to carbon dioxide and carbon dioxide and carbon monoxide.
d.	Specific Methods Of Firefighting Soak thoroughly with water to cool and prevent re-ignition.



MSDS

Grade : LUPOY PC 1303EP

File Number MSDS- LGPC- 014E

Revised Date 2011.04.01

Page 2/4

6. ACCIDENTAL RELEASE MEASURES

Sweep up, recover if possible, or dispose of according to applicable regulations.

7. HANDLING AND STORAGE

- a. Handling
Avoid breathing dust.
Good general ventilation should be sufficient for most conditions.
- b. Storage
Store in a cool, dry place away from direct sunlight.
Storage silos must be grounded to prevent static charge.
Proper ventilation is recommended to control dust formation.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- a. Engineering Controls
Good general ventilation should be sufficient for most processing operation
Local exhaust ventilation may be necessary for some operations.
- b. Personal Protective Equipment
 - Respiratory Protection
In dusty atmospheres, use an approved dust respirator. For most conditions, no respiratory protection should be needed; however, if handling at elevated temperatures without sufficient ventilation, use an approved air-purifying respirator.
 - Skin Protection
No precautions other than clean body-covering clothing should be needed. Use safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

- a. Appearance : Granules
- b. Color : Transparent
- c. Odor : none
- d. pH : Not applicable
- e. Melting point/range : 150 – 200 deg.C
- f. Freezing Point : No data available
- g. Decomposition temp : > 400 deg.C
- h. Flash Point : > 450 deg.C
- i. Water solubility : insoluble
- j. Vapor Pressure : not applicable
- k. Specific Gravity : 1.190 – 1.23
- l. Auto-Ignition temp : > 450 deg.C
- m. Flammability Limit-Lower(%) : No data available
- n. Flammability Limit-Upper(%) : No data available

10. STABILITY AND REACTIVITY

- a. Chemical Stability
Stable under normal handling and storage conditions, see section 7, Handling and Storage.
- b. Conditions to Avoid
Excessive heat. See decomposition temperature, Section 9.
Processed at high temperatures, the material may generate vapor levels sufficient to cause eye and respiratory irritation.



MSDS

Grade : LUPOY PC 1303EP

File Number MSDS- LGPC- 014E

Revised Date 2011.04.01

Page 3/4

c. Hazardous Decomposition Products

Fumes released during processing may include traces of : Hydrocarbons. Phenol. Carbon monoxide.

11. TOXICOLOGICAL INFORMATION

a. Ingestion

Single dose oral toxicity is believed to be very low.

Considered to be physiologically inert.

May cause choking if swallowed.

b. Eye Contact

Solid or dust may cause irritation or corneal injury due to mechanical action.

c. Skin Contact

Essentially non-irritating to skin.

Mechanical injury only.

Skin absorption is unlikely due to physical properties.

d. Inhalation

At room temperature, exposure to vapors is unlikely due to physical properties; higher temperatures may generate vapor levels sufficient to cause irritation and other effects.

Dust may cause irritation to upper respiratory tract (nose and throat).

e. Other Information

Pigments and dyes and/or flame retardant are encapsulated in the resin and are not expected to cause any hazardous condition when processed according to good manufacturing procedures.

12. ECOLOGICAL INFORMATION

In the aquatic environment, this product should not present problems because of extremely low solubility.

In the soil compartment, material is inherently very difficult to degrade.

13. DISPOSAL CONSIDERATION

Conversion or process waste can be recycled (See section 16, Other information).

Clean uncontaminated product may be disposed of by sale to reprocessors. Scrap materials may be disposed of at approved landfills or preferably by incineration under approved conditions.

14. TRANSPORT INFORMATION

Product is not classified for any mode of transportation.

15. REGULATORY INFORMATION

a. EC Classification and User Label Information

This product does not require classification according to the criteria of the commission of the European Communities.

b. EINECS Status

The constituent monomers, initiators and additives of this product are listed on EINECS.

16. OTHERS INFORMATION

GHS Classification – Total sum of component(s) with unknown acute toxicity effects : 0%

GHS Classification – Total sum of component(s) with unknown environmental hazards : 0%



LG Chem

MSDS

Grade : LUPOY PC 1303EP

File Number MSDS- LGPC- 014E

Revised Date 2011.04.01

Page 4/4

Product should be handled, stored, and used in accordance with the generally accepted industrial hygiene practices and in conformity with all the applicable legal regulations. The information provided herein is based on the knowledge possessed at this present time from the view point of safety requirements. It should, therefore, not be construed as guaranteeing specific properties.