

MATERIAL SAFETY DATA SHEET

MSDS No. 072101-1G
 First issue/Revised 2007/11/5
 Product name Panlite® L-, K-, C-****#

notes *; Represents 0 through 9.
 #; Material designation may be suffixed any one or two letters.

1. PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER

Company Name Teijin Chemicals Ltd.
 Address Kasumigaseki Common Gate West Tower 28F
 3-2-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8585 JAPAN
 Telephone Number +81-3-3506-4717

IMPORTER/DISTRIBUTOR IN EU

Company Name NA
 Address
 Telephone Number

EMERGENCY TELEPHONE NUMBER

ASIA AREA

Company Name: Teijin Chemicals Ltd.
 Telephone Number: +81-3-3506-4776 or +81-3-3506-4777 (Tokyo, Japan)

AMERICA AREA

Company Name: Teijin Kasei America Inc.
 Telephone Number: +1-770-346-8949 (Norcross, GA, USA)

EUROPE AREA

Company Name: Teijin Kasei Europe B.V.
 Telephone Number: +31-77-4658950 (Venlo, The Netherlands)

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS—Chemical Name & Common Names (Non-Hazardous Components 5% or greater; Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	%	OHSA	ACGIH	R-phrase	S-phrase
Polycarbonate (CAS No. 25971-63-5)	≥99	Not Listed	Not Listed		
The others (trade secret)	*				
Total	100				

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

POTENTIAL HEALTH EFFECTS:

Inhalation:

Eye:

Skin:

 Ingestion

POTENTIAL ENVIRONMENTAL
 EFFECTS:

4. FIRST AID MEASURES

 INHALATION:

If you breathe the much gas and fume from melting resin, remove casualty to fresh air and keep at rest. If you feel unwell, seek medical advice immediately.

 EYE:

Flush eyes thoroughly with clean, low pressure water. If you feel unwell, seek medical advice immediately.

 SKIN:

Wash affected areas with soap and water.

 INGESTION:

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

 PROTECTION TO FIRST-AIDERS

NOTE TO PHYSICIAN:

5. FIRE FIGHTING MEASURES

 FLAMMABLE PROPERTIES:

Burning pellets create a black, sooty smoke of uncertain hazard and composition.

 EXTINGUISHING MEDIA:

Dry chemical or water.

 FIRE FIGHTING INSTRUCTIONS:

Wear appropriate respiratory protection for toxic and irritating gases and aerosols generated by thermal decomposition.

6. ACCIDENTAL RELEASE MEASURES

 LAND SPILL

Sweep up and place in a waste disposal container. Disposal must be in accordance with national and local regulation for nonhazardous waste.

 WATER SPILL

7. HANDLING AND STORAGE

 HANDLING:

 STORAGE:

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

 EXPOSURE LIMIT VALUES:

There is no exposure hazard.

EXPOSURE CONTROLS:

This material shall be used for molding purposes only. Processing of thermoplastic resins at temperatures commonly used in extrusion or injection molding may produce fumes which may be irritation to some individuals. The composition of the fumes is dependent on operating conditions, especially temperature and residence time; the specific formulation of the product being manufactured; surface area of the product being manufactured; equipment variables; and water content of the product formulation, among other characteristics. Overexposure in some individuals may produce irritation of the eyes, mucous membranes and upper respiratory tract. Well designed local exhaust ventilation should be used to capture these fumes and remove them from the workplace. Captured fumes and residues may be flammable and/or combustible, and ventilation systems must be designed, constructed, operated, and maintained to prevent fires and explosions. Wear protective clothing, including rubber gloves, to prevent skin contact during cleaning of the ventilation system.

Under certain conditions, dust, which may be potentially explosive, may be released during operations, and so care should be taken to set up an earth for the purpose of removing any static electricity. Ventilation requirements for each particular workplace must be determined on an individual basis. As there is the possibility that fumes may be released during machining as the result of such things as frictional heat, in order to avoid accidental absorption or inhalation, measures should be taken to provide for adequate localized ventilation.

Occupational Exposure Controls

Engineering Controls:

Personal protection

Respiratory Protection:	Not required
Hand Protection:	Insulated gloves
Eye Protection:	Safety glasses with side shields
Skin Protection:	Wear appropriate protective clothes to avoid direct contact.

Environmental Exposure Controls

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Pellet of Natural color; no odor.

pH

BOILING POINT / BOILING RANGE: Not applicable

MELTING POINT / MELTING RANGE: Not applicable

DECOMPOSITION TEMPERATURE:

FLASH POINT: >522°C

AUTO IGNITION TEMPERATURE: >550°C

FLAMMABILITY:

EXPLOSIVE PROPERTIES: Not available

OXIDIZING PROPERTIES: There is no oxidizing hazard.

VAPOUR PRESSURE: Not applicable

SPECIFIC GRAVITY: 1.20

SOLUBILITY IN WATER: Insoluble

 VISCOSITY:

VAPOUR DENSITY: Not applicable

EVAPORATION RATE: Not applicable

10. STABILITY AND REACTIVITY

CONDITION TO AVOID: None specifically known

STABILITY: Stable

MATERIALS TO AVOID:

HAZARDOUS REACTIONS /
 DECOMPOSITION PRODUCTS Gases generated by combustion are carbon monoxide and/or carbon dioxide

11. TOXICOLOGICAL INFORMATION

REMARKS

ACUTE TOXICITY: Not available

EYE IRRITATION:

SKIN IRRITATION:

SENSITIZATION:

REPEATED DOSE TOXICITY:

CHRONIC TOXICITY: Not available

MUTAGENICITY: Not available

CARCINOGENICITY: Not available

REPRODUCTIVE AND
 DEVELOPMENTAL TOXICITY:

12. ECOLOGICAL INFORMATION

ECOTOXICITY

MOBILITY

PERSISTENCE AND
 BIODEGRADABILITY

BIOACCUMULATIVE POTENTIAL
 ECOTOXICITY

OTHER ADVERSE EFFECTS

13. DISPOSAL CONSIDERATIONS

 Comply with "all federal, state and local regulations" and "all EU,
 national and local regulations".

Do not dump this product into sewers, on the ground or into any body of
 water.

14. TRANSPORT INFORMATION

LAND TRANSPORT

<US DEPARTMENT OF TRANSPORTATION(DOT)>

Hazardous Materials:

Hazardous Materials Description and
Proper Shipping Name:

Hazard Class or Division:

Identification Number:

Packing Group(PG):

Label(s) Required:

<ADR, RID>

Class:

Packing Group(PG):

UN Number: None allocated

Proper Shipping Name: Polycarbonate resin pellet

SEA TRANSPORT

IMDG:

Packing Group(PG):

UN Number: None allocated

Proper Shipping Name: Polycarbonate resin pellet

Marine Pollutant :

AIR TRANSPORT

ICAO/IATA:

Class:

Packing Group(PG):

Proper Shipping Name:

15. REGULATORY INFORMATION

<USA>

OSHA STATUS:

TSCA STATUS:

CERCLA REPORTABLE
QUANTITY(40CFR177.302)

SARA TITLE III

SECTION302 (40CFR355) :

SECTION311/312 (40CFR370) :

SECTION313 (40CFR372) :

*Please refer to any other federal, state and local regulations.

<EUROPE>

*Please refer to any other EU, national and local regulations.

<ASIA>

*Please refer to national and local regulations.

<Existing Chemical Substance Status>

Status on Existing Chemical Substance inventory.

Canada (DSL, NDSL)

Korea (ECL)

China (IECSC)

Philippines (PICCS)

Australia (AICS)

16. OTHER INFORMATION

This information is furnished without warranty, express or implied, expect that it is accurate to the best knowledge of Teijin Chemicals Ltd. It relates only to the specific product designated herein, and does not relate to use in combination with any other material or in any process. Teijin Chemicals assumes no legal responsibility for use of or reliance upon this information.
