

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Panlite® L-1225L  
**Other means of identification**  
**Reference number** L1225L-01Us  
**Recommended use** Molding material for industry use  
**Recommended restrictions** None known.  
**Manufacturer/Importer/Supplier/Distributor information**  
**Company name** TEIJIN LIMITED  
**Address** 2-1, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo 100-8585, Japan  
**Department** Environment Quality Assurance Department  
Electric Materials & Performance Polymer Products Business Group  
**Telephone** +81 3-3506-4717  
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**Emergency contact** TEIJIN KASEI AMERICA, Inc. / +1-770-346-8949

## 2. Hazard(s) identification

**Physical hazards** Not classified.  
**Health hazards** Not classified.  
**OSHA defined hazards** Not classified.  
**Label elements**  
**Hazard symbol** None.  
**Signal word** None.  
**Hazard statement** None.  
**Precautionary statement**  
**Prevention** Not available.  
**Response** Not available.  
**Storage** Not available.  
**Disposal** Not available.  
**Hazard(s) not otherwise classified (HNOC)** None known.  
**Supplemental inform** None.

## 3. Composition/information on ingredients

### Substances

Chemical name	Common name and synonyms	CAS number	%
Polycarbonate resin		25971-63-5	95 - 100

## 4. First-aid measures

**Inhalation** In case of inhalation of dusts or fumes from heated product: Move injured person into fresh air and keep person calm under observation. Get medical attention if any discomfort continues.

**Skin contact** Rinse with water. Get medical attention promptly if symptoms persist or occur after washing. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn.

**Eye contact** Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance.

**Ingestion** Rinse mouth thoroughly. Large quantities: Get medical attention if symptoms occur.

**Most important symptoms/effects, acute and delayed** High concentrations of dust may irritate throat and respiratory system and cause coughing.

**Indication of immediate medical** Treat symptomatically.

**attention and special treatment needed**

**General information** First aid personnel must be aware of own risk during rescue.

**5. Fire-fighting measures**

**Suitable extinguishing media** Extinguish with foam, carbon dioxide, dry powder or water fog.

**Unsuitable extinguishing media** None.

**Specific hazards arising from the chemical** During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters** Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

**Fire fighting equipment/instructions** Use standard firefighting procedures and consider the hazards of other involved materials.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures** Avoid inhalation of dust. See Section 8 of the SDS for Personal Protective Equipment.

**Methods and materials for containment and cleaning up** Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Nonsparking tools should be used. Collect and dispose of spillage as indicated in Section 13 of the SDS.

**Environmental precautions** Do not allow to enter drains, sewers or watercourses.

**7. Handling and storage**

**Precautions for safe handling** Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Use explosion-proof electrical equipment if airborne dust levels are high. Provide adequate ventilation. Use work methods which minimize dust production. Wear appropriate personal protective equipment. Avoid inhalation of dust. Avoid prolonged or repeated contact with skin. Avoid vapors from heated materials to prevent exposure to potentially toxic/irritating fumes.

**Conditions for safe storage, including any incompatibilities** Avoid dust formation. Store in closed original container in a dry place. Keep in original container.

**8. Exposure controls/personal protection**

**Occupational exposure limits**

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

<u>Additional Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
Dust	PEL	5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Total dust.

**US. OSHA Table Z-3 (29 CFR 1910.1000)**

<u>Additional Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
Dust	TWA	5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

**US. ACGIH Threshold Limit Values**

<u>Additional Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
Dust	TWA	3 mg/m <sup>3</sup>	Respirable particles..
		10 mg/m <sup>3</sup>	Inhalable particles..

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines** Above occupational exposure limits are values for general particles.

**Appropriate engineering controls** Provide adequate ventilation.

## Individual protection measures, such as personal protective equipment

<b>Eye/face protection</b>	Use tight fitting goggles if dust is generated. If contact with hot material may occur, safety glasses and face shield are recommended.
<b>Skin protection</b>	
<b>Hand protection</b>	For prolonged or repeated skin contact use suitable protective gloves. When material is heated, wear gloves to protect against thermal burns.
<b>Other</b>	No protection is ordinarily required under normal conditions of use.
<b>Respiratory protection</b>	Wear respirator if there is dust formation. When the product is heated, use suitable respiratory equipment with gas filter.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

<b>Appearance</b>	Pellets.
<b>Physical state</b>	Solid.
<b>Form</b>	Pellets.
<b>Color</b>	Natural.
<b>Odor</b>	None.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not applicable.
<b>Melting point/freezing point</b>	> 464 °F (> 240 °C)
<b>Initial boiling point and boiling range</b>	Not applicable.
<b>Flash point</b>	> 971.6 °F (> 522.0 °C)
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower(%)</b>	Not available.
<b>Flammability limit - upper(%)</b>	Not available.
<b>Vapor pressure</b>	Not applicable.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	1.2
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Insoluble in water.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	> 1022 °F (> 550 °C)
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Stable under normal temperature conditions.
<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	No data available.
<b>Hazardous decomposition products</b>	During combustion: Carbon monoxide. Carbon dioxide.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Dust may irritate respiratory system.
<b>Skin contact</b>	Dust may irritate skin.
<b>Eye contact</b>	Dust may irritate the eye.

<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	High concentrations of dust may irritate throat and respiratory system and cause coughing.
<b>Information on toxicological effects</b>	
<b>Acute toxicity</b>	May cause discomfort if swallowed.
<b>Skin corrosion/irritation</b>	Dust may irritate skin.
<b>Serious eye damage/eye irritation</b>	Dust may irritate the eyes. May cause redness and pain.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	None known.
<b>Skin sensitization</b>	None known.
<b>Germ cell mutagenicity</b>	None known.
<b>Carcinogenicity</b>	Not classified.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	
Dichloromethane (CAS 75-09-2)	2A Probably carcinogenic to humans.
<b>NTP Report on Carcinogens</b>	
Dichloromethane (CAS 75-09-2)	Reasonably Anticipated to be a Human Carcinogen.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	
Dichloromethane (CAS 75-09-2)	Cancer
<b>Reproductive toxicity</b>	None known.
<b>Specific target organ toxicity - single exposure</b>	None known.
<b>Specific target organ toxicity - repeated exposure</b>	None known.
<b>Aspiration hazard</b>	Due to the physical form of the product it is not an aspiration hazard.
<b>Chronic effects</b>	None known.

## 12. Ecological information

<b>Ecotoxicity</b>	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Persistence and degradability</b>	None known.
<b>Bioaccumulative potential</b>	None known.
<b>Mobility in soil</b>	The product is insoluble in water and will sediment in water systems.
<b>Other adverse effects</b>	None known.

## 13. Disposal considerations

<b>Disposal instructions</b>	Dispose of in accordance with local regulations. Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.
<b>Hazardous waste code</b>	Not regulated.
<b>US RCRA Hazardous Waste U List: Reference</b>	
Dichloromethane (CAS 75-09-2)	U080
<b>Waste from residues / unused products</b>	Do not discharge into rivers, lakes, mountains, etc. because the product may affect the environment.
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

<b>DOT</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not available.

## 15. Regulatory information

<b>US federal regulations</b>	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard
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Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances(PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

<b>Issue date</b>	05/01/2016
<b>Revision date</b>	-
<b>Version #</b>	01

### Disclaimer

The information about colorant is not contained in this SDS.

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.