

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** Panlite® L-1225ZL  
**Version #** 01  
**Revision date** 03-24-2010  
**CAS #** 25971-63-5  
**MSDS Number** L1225ZL-0101Us  
**Product use** Molding material for industry use  
**Manufacturer/Supplier** TEIJIN CHEMICALS LTD.  
2-1, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo 100-8585, Japan  
Corporate Social Responsibility Staff Office  
Telephone number: +81 3-3506-4717  
FAX number: +81 3-3580-6680  
emergency telephone number: TEIJIN KASEI AMERICA, Inc. / +1-770-346-8949

## 2. Hazards Identification

**OSHA regulatory status** This product is not hazardous according to OSHA 29CFR 1910.1200.  
**Potential health effects**  
**Eyes** Dust in the eyes will cause irritation.  
**Skin** Dust may irritate skin.  
**Inhalation** Dust may irritate respiratory system or lungs.  
**Ingestion** May cause discomfort if swallowed.  
**Target organs** Eyes. Respiratory system.  
**Potential environmental effects** 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.

## 3. Composition / Information on Ingredients

Non-hazardous components	CAS #	Percent
Polycarbonate resin	25971-63-5	95-100

## 4. First Aid Measures

**First aid procedures**  
**Eye contact** Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance.  
**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.  
**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.  
**Ingestion** Rinse mouth thoroughly. Large quantities: Get medical attention if symptoms occur.  
**Notes to physician** Treat symptomatically.  
**General advice** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire Fighting Measures

**Extinguishing media**  
**Suitable extinguishing media** Extinguish with foam, carbon dioxide, dry powder or water fog.  
**Unsuitable extinguishing media** None.

<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Protective equipment and precautions for firefighters</b>	Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Avoid inhalation of dust. See Section 8 of the MSDS for Personal Protective Equipment.
<b>Environmental precautions</b>	Do not allow to enter drains, sewers or watercourses.
<b>Methods for cleaning up</b>	Collect and dispose of spillage as indicated in section 13 of the MSDS.
<b>Other information</b>	Clean up in accordance with all applicable regulations.

## 7. Handling and Storage

<b>Handling</b>	Avoid inhalation of dust. Avoid prolonged and repeated contact. Use work methods which minimize dust production. Wear appropriate personal protective equipment.
<b>Storage</b>	Store in closed original container in a dry place.

## 8. Exposure Controls / Personal Protection

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Exposure guidelines</b>	ACGIH has limits for "nuisance dusts" which is TLV-TWA = 10 mg/m3.
<b>Engineering controls</b>	Provide adequate ventilation.
<b>Personal protective equipment</b>	
<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>	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 for organic gas.
<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 & Chemical Properties

<b>Appearance</b>	Pellets.
<b>Color</b>	Natural.
<b>Odor</b>	None.
<b>Odor threshold</b>	Not available.
<b>Physical state</b>	Solid.
<b>Form</b>	Pellets.
<b>pH</b>	Not applicable.
<b>Melting point</b>	> 464 °F (> 240 °C)
<b>Freezing point</b>	> 464 °F (> 240 °C)
<b>Boiling point</b>	Not applicable.
<b>Flash point</b>	> 971.6 °F (> 522 °C)
<b>Evaporation rate</b>	Not available.
<b>Flammability</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not applicable.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	1.2
<b>Relative density</b>	Not available.

<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>Molecular formula</b>	(C <sub>15</sub> H <sub>16</sub> O <sub>2</sub> .CCl <sub>2</sub> O) <sub>x</sub> .xC <sub>10</sub> H <sub>14</sub> O

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable under normal temperature conditions.
<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.
<b>Possibility of hazardous reactions</b>	Will not occur.

## 11. Toxicological Information

<b>Sensitization</b>	None known.
<b>Acute effects</b>	May cause discomfort if swallowed.
<b>Local effects</b>	Dust may irritate respiratory system or lungs. Dust in the eyes will cause irritation.
<b>Carcinogenicity</b>	None known.
<b>Mutagenicity</b>	None known.
<b>Reproductive effects</b>	None known.
<b>Teratogenicity</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>Bioaccumulation / Accumulation</b>	None known.
<b>Mobility in environmental media</b>	The product is insoluble in water and will sediment in water systems.

## 13. Disposal Considerations

<b>Disposal instructions</b>	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. Do not discharge into rivers, lakes, mountains, etc. because the product may affect the environment.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
<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.

## 15. Regulatory Information

<b>US federal regulations</b>	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
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**CERCLA (Superfund) reportable quantity (lbs)**

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - No  
 Delayed Hazard - No  
 Fire Hazard – No  
 Pressure Hazard – No  
 Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

**Inventory status**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
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)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	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 that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. Other Information**

The information about colorant is not contained in this MSDS.

**Further information** HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings** Health: 0  
 Flammability: 1  
 Physical hazard: 0

**NFPA ratings** Health: 0  
 Flammability: 1  
 Instability: 0

**Disclaimer** 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.

**Issue date** 03-24-2010