

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name Panlite® L-1225Z
Version # 01
Revision date 03-24-2010
CAS # 25971-63-5
MSDS Number L1225Z-0101Us
Product use Molding material for industry use
Manufacturer/Supplier TEIJIN CHEMICALS LTD.
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Corporate Social Responsibility Staff Office
Telephone number: +81 3-3506-4717
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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.

Protection of firefighters

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

Protective equipment and precautions for firefighters Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental Release Measures

Personal precautions Avoid inhalation of dust. See Section 8 of the MSDS for Personal Protective Equipment.

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

Methods for cleaning up Collect and dispose of spillage as indicated in section 13 of the MSDS.

Other information Clean up in accordance with all applicable regulations.

7. Handling and Storage

Handling Avoid inhalation of dust. Avoid prolonged and repeated contact. Use work methods which minimize dust production. Wear appropriate personal protective equipment.

Storage Store in closed original container in a dry place.

8. Exposure Controls / Personal Protection

Occupational exposure limits No exposure limits noted for ingredient(s).

Exposure guidelines ACGIH has limits for "nuisance dusts" which is TLV-TWA = 10 mg/m³.

Engineering controls Provide adequate ventilation.

Personal protective equipment

Eye / face protection Use tight fitting goggles if dust is generated. If contact with hot material may occur, safety glasses and face shield are recommended.

Skin protection No protection is ordinarily required under normal conditions of use.

Respiratory protection Wear respirator if there is dust formation. When the product is heated, use suitable respiratory equipment with gas filter for organic gas.

General hygiene considerations 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

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

Solubility (water)	Insoluble in water
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	> 1022 °F (> 550 °C)
Decomposition temperature	Not available.
Molecular formula	(C ₁₅ H ₁₆ O ₂ .CCl ₂ O) _x .xC ₁₀ H ₁₄ O

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under normal temperature conditions.
Conditions to avoid	None known.
Incompatible materials	No data available.
Hazardous decomposition products	During combustion: Carbon monoxide. Carbon Dioxide.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Sensitization	None known.
Acute effects	May cause discomfort if swallowed.
Local effects	Dust may irritate respiratory system or lungs. Dust in the eyes will cause irritation.
Carcinogenicity	None known.
Mutagenicity	None known.
Reproductive effects	None known.
Teratogenicity	None known.

12. Ecological Information

Ecotoxicity	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.
Persistence and degradability	None known.
Bioaccumulation / Accumulation	None known.
Mobility in environmental media	The product is insoluble in water and will sediment in water systems.

13. Disposal Considerations

Disposal instructions	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.
Waste from residues / unused products	Dispose of in accordance with local regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations	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

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)	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