

SAFETY DATA SHEET

1. Identification

Product identifier Panlite® L-1225Y
Other means of identification
Reference number L1225Y-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/m3	Respirable fraction.
		15 mg/m3	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/m3	Respirable fraction.
		15 mg/m3	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/m3	Respirable particles..
		10 mg/m3	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

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	
Hand protection	For prolonged or repeated skin contact use suitable protective gloves. When material is heated, wear gloves to protect against thermal burns.
Other	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.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
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 and chemical properties

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

10. Stability and reactivity

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

11. Toxicological information

Information on likely routes of exposure

Inhalation	Dust may irritate respiratory system.
Skin contact	Dust may irritate skin.
Eye contact	Dust may irritate the eye.

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

13. Disposal considerations

Disposal instructions	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.
Hazardous waste code	Not regulated.
US RCRA Hazardous Waste U List: Reference	
Dichloromethane (CAS 75-09-2)	U080
Waste from residues / unused products	Do not discharge into rivers, lakes, mountains, etc. because the product may affect the environment.
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.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not available.

15. Regulatory information

US federal regulations	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

Issue date	05/01/2016
Revision date	-
Version #	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.