

MATERIAL SAFETY DATA SHEET

1. Chemical product and company identification

Product name Panlite® L-1250VX
MSDS Number L1250VX-0101JpE
Company name TEIJIN CHEMICALS LTD.
Address 2-1, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo 100-8585, Japan
Division Corporate Social Responsibility Staff Office
Telephone number +81 3-3506-4717
Fax +81 3-3580-6680
Emergency telephone number Matsuyama factory quality assurance section TEL: +81 89-973-7103
Intended use Molding material for industry use

2. Hazards identification

GHS-classification

Physical hazards	Flammable solid	Not classified
Health hazards	Acute toxicity (Oral, Inhalation, Dermal)	Not classified
	Skin corrosion/irritation	Not classified
	Serious eye damage/eye irritation	Not classified
	Respiratory sensitization	Not classified
	Skin sensitization	Not classified
	Germ cell mutagenicity	Not classified
	Carcinogenicity	Not classified
	Reproductive toxicity	Not classified
	Specific target organ toxicity - single exposure	Not classified
	Specific target organ toxicity - repeated exposure	Not classified
	Aspiration toxicity	Not classified
Environmental hazards	Acute aquatic toxicity	Not classified
	Chronic aquatic toxicity	Not classified

*Hazards not stated here are "Not applicable" or "Classification not possible".

Precautionary statement

Prevention Observe good industrial hygiene practices.
Response Get medical advice/attention if you feel unwell.
Storage Store in a closed container.
Disposal Dispose of waste and residues in accordance with local authority requirements.

National/local information See section 15 for regulatory information.

3. Composition/information on ingredients

Substance or Mixture Substance

Components	CAS #	Gazette notification		Concentration (%)
		ENCS no.	ISHL no.	
Polycarbonate resin	25971-63-5	(7)-738	(7)-738	95-100

Chemical formula: (C₁₅H₁₆O₂.CCl₂O)_x (25971-63-5)

4. First aid measures

In case of 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.

Expected acute and delayed symptoms	None.
Protection of first-aid responders	First aid personnel must be aware of own risk during rescue.
Notes to physician	Treat symptomatically.

5. Fire-fighting measures

Extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
Extinguishing media to avoid	None.
Specific hazards	During fire, gases hazardous to health may be formed.
Special fire fighting procedures	Use standard firefighting procedures and consider the hazards of other involved materials.
Protection of fire-fighters	Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

6. Accidental release measures

Personal precautions, protective equipment and emergency measures	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.
Recovery and neutralization	Collect and dispose of spillage as indicated in Section 13 of the MSDS.

7. Handling and storage

Handling

Technical measures	Use explosion-proof electrical equipment if airborne dust levels are high.
Local and general ventilation	Provide adequate ventilation.
Precautions	Use work methods which minimize dust production. Wear appropriate personal protective equipment.
Safe handling advice	Avoid inhalation of dust. Avoid prolonged or repeated contact with skin. Avoid vapors from heated materials to prevent exposure to potentially toxic/irritating fumes.

Storage

Technical measures	Avoid dust formation.
Suitable storage conditions	Store in closed original container in a dry place.
Safe packaging materials	Keep in original container.

8. Exposure controls/personal protection

Engineering measures	Provide adequate ventilation. Japan Society of Occupational Health, class 3 dust (limestone, other inorganic and organic dusts): respirable dust 2 mg/m ³ , total dust 8 mg/m ³ .
Personal protective equipment	
Respiratory protection	Wear respirator if there is dust formation. When the product is heated, use suitable respiratory equipment with gas filter for organic gas.
Hand protection	For prolonged or repeated skin contact use suitable protective gloves. When material is heated, wear gloves to protect against thermal burns.
Eye protection	Use tight fitting goggles if dust is generated. If contact with hot material may occur, safety glasses and face shield are recommended.
Skin and body protection	No protection is ordinarily required under normal conditions of use.
Hygiene measures	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

Physical state	Solid.
Form	Pellets.
Color	Natural.

Odor	None.
pH	Not applicable.
Melting point/Freezing point	> 464 °F (> 240 °C)
Boiling point, initial boiling point, and boiling range	Not applicable.
Flash point	> 971.6 °F (> 522 °C)
Auto-ignition temperature	> 1022 °F (> 550 °C)
Combustion characteristics (solid, gas)	Not available.
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not applicable.
Vapor density	Not available.
Specific gravity	1.2
Solubility	Insoluble in water.
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Other data	
Molecular formula	(C ₁₅ H ₁₆ O ₂ .CCl ₂ O) _x

10. Stability and reactivity

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

Acute toxicity	May cause discomfort if swallowed.
Skin corrosion/irritation	No adverse effects due to skin contact.
Serious eye damage/eye irritation	Dust in the eyes will cause irritation. May cause redness and pain.
Respiratory sensitizer	None known.
Skin sensitizer	None known.
Germ cell mutagenicity	None known.
Carcinogenicity	None known.
Toxic to reproduction	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/degradability	None known.
Bioaccumulation	None known.
Mobility in soil	The product is insoluble in water and will sediment in water systems.
Other hazardous effects	None known.

13. Disposal considerations

Residual waste	Dispose of waste at a facility with special permission to dispose industrial wastes. Waste should be accompanied by a manifest for the industrial waste. Dispose of in accordance with local regulations. Do not discharge into rivers, lakes, mountains, etc. because the product may affect the environment.
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Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

ADR

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory information

Industrial Safety and Health Law

Substances subject to notification Not regulated.

Substances subject to labeling Not regulated.

Poisonous and Deleterious

Substances Control Law Not regulated.

Chemical Substances Control Law Not regulated.

PRTR and Promotion of Chemical Management Law

Class 1 substances (substance name and cabinet order number)

Not regulated.

Class 2 substances (substance name and cabinet order number)

Not regulated.

Fire service law Not dangerous goods under Fire Service Law.

16. Other information

The information about colorant is not contained in this MSDS.

This information is provided without warranty. The information is believed to be correct. The precautions in this MSDS are intended for normal use. Please take safety measures appropriate to the use and the application when handling the product in a special way. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

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