Polyurethane Clear Lacquer PL100

Revision: August 2026

Overall Specifications

Name	Polyurethane Clear Lacquer PL100
Classification	The polyurethane (PU) clear lacquer is produced via reaction of Sanyol PL100 resin and a Metanat PL100 hardener (at a 1:1 ratio).
Application	Suitable for both stoving and air-drying systems

Identification

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Handling And Storage

Handling	Polyurethane Clear Lacquer is packed and delivered in Iron drums, IBC tanks, gallons, and other suitable packages, if necessary.
Storage	It should be kept in properly sealed, moisture-tight containers and stored indoors in a dry and well-ventilated area at ambient temperature (15-35 ℃). Storage at low temperatures (below 5 ℃) may lead to a marked increase in viscosity, and this may cause difficulties in processing. Extended storage at temperatures above 50 ℃ is not recommended to prevent deterioration of the product quality.

Hazard Identification

Classification	Polyurethane Clear Lacquer is not classified as dangerous according to EC Regulation 1272/2008 (CLP).
Adverse physicochemical, human health and environmental effects	No other hazards.

All statements, technical information and recommendations contained herein are based on tests and data which we believe to be reliable, but the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto.

Fire Fighting Measures	
Special Fire Fighting Procedures	Do not enter confined fire space without proper protective equipment including a NIOSH-approved self-contained breathing apparatus.
Unusual Fire and Exposure Hazards	Burning liquid will produce toxic and irritating fumes.
Stability and Reactivity	
Stability	Material is stable. Avoid open flames and high temperatures.
Decomposition	This material may decompose if exposed to high temperatures (open flames), producing CO and CO_2
Incompatibility	N/A
Physical and Chemical Properties	
Appearance	Clear liquid
Odor	Slight chemical odor
Odor Threshold	Not determined
Melting Point/Freezing Point	N/A
Flammability	Not applicable
Vapor Pressure	N/A
Sanyol PL100 Viscosity (mPa.s)	300 – 400 @ 25 (°C)
Metanat PL100 Viscosity (mPa.s)	5 – 10 @ 25 (°C)
Density (g/cm^3)	0.9 – 0.99 @ 25 (°C)

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Toxicological Information

Skin Contact	In case of skin contact, remove contaminated clothing and wash skin thoroughly with soap and water. If symptomatic, move to fresh air. Get medical attention if symptoms persist.
Eye Contact	If splashed into eyes, flush with clear water for 15-minutes or until irritation subsides. If irritation persists, call a physician.
Inhalation	Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician. If breathing is irregular or has stopped, start resuscitation; administer oxygen if available. If overexposure is due to oil mist, remove from further exposure until excessive oil mist condition subsides.
Ingestion	Drink plenty of water. Get immediate medical attention. If ingested, do not induce vomiting. Call a physician immediately.
Carcinogenicity	Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH.
Safety Precautions	Avoid breathing vapors and prolonged skin exposure. Use with sufficient ventilation to keep exposure below recommended limits.

Disposal Considerations

Spill, Leak or Release	Ventilate area. Do not flush into sewers. Dike spill. Collect on absorbent material and transfer to steel drums for recovery or disposal. Comply with Federal, State and local regulations on reporting releases.
Waste Disposal	Comply with State and local regulations.

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