



Material Safety Data Sheet

Lp-PLA₂ Proficiency Levels 1–4

1. Chemical Product Identification	
Product Name:	Lp-PLA ₂ Proficiency Levels 1–4
Product Number:	60034–60037
Application of the Substance/Preparation:	In-vitro diagnostic reagent or component for use with an Assay Kit (PLAC Test REF 90007, 90011, 90012, 90106, 90107, 90112, 90115, 90116, 100107, 100112, 100115)
Manufacturer/Supplier:	diaDexus, Inc. 343 Oyster Point Blvd. S. San Francisco, CA 94080 (650) 246-6400 www.diadexus.com www.plactest.com
Information Department:	Technical Services, Customer Support
Emergency Phone Number:	For technical assistance, please contact diaDexus at 1-877-342-3398 (U.S. only) or 1-650-246-6400.

2. Composition/Information on Components			
Principal Hazardous Components	CAS Number	Concentration	
Sodium Chloride (Salt, Rock Salt)	7647-14-5	<20%	
ProClin 300	26172-55-4	≤0.1%	
Glycerol	56-81-5	≥5%	
Note: Cal/OSHA has determined that substances present at less than 1%, if non-carcinogenic, are not required to be reported.			

3. Hazards Identification	
Emergency Overview:	Avoid contact and inhalation; harmful if swallowed; may irritate eyes, skin, and respiratory tract if inhaled. Effects of exposure may be delayed. Medical observation recommended for at least 48 hours after exposure.
Potential Health Effects:	
Inhalation:	May cause irritation of respiratory tract and mucous membranes.
Ingestion:	May cause nausea, vomiting, headache, diarrhea, and prostration. May be an irritant to the gastrointestinal tract. Dehydration and congestion occur in most internal organs. Hypertonic salt solution can produce violent inflammatory reactions in the gastrointestinal tract. May be harmful if swallowed.
Skin Contact:	May cause irritation, specifically if skin is damaged.
Eye Contact:	May cause irritation, redness, and pain (for salt concentrations greater than normal saline).



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4. First Aid Measures

General Information:	This solution may be harmful and may irritate the eyes, skin, and respiratory tract. The effects of exposure may be delayed. Medical observation is recommended for at least 48 hours after exposure.
Inhalation:	Supply fresh air; consult doctor in case of complaints.
Skin Contact:	Immediately wash with water and soap and rinse thoroughly.
Eye Contact:	Immediately flush with plenty of water for at least 15 minutes.
Ingestion:	Immediately call a doctor.

5. Fire Fighting Measures

Protective Equipment:	Wear appropriate fire protection gear for surrounding fire.
Suitable Extinguishing Agents:	Dry chemical, CO ₂ , water spray, or regular foam.

6. Accidental Release Measures

Wear appropriate personal protective equipment, including but not limited to, protective clothing, safety glasses, and protective gloves. Clean spills immediately. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

7. Handling and Storage

Handling:	Use safety glasses and/or safety face shield while performing test.
Storage:	2–8 °C
Other Precautions:	For in-vitro diagnostic use only. Do not apply to eyes or skin. Do not inhale or ingest.

8. Exposure Control/Personal Protective Equipment

Respiratory Protection:	Not required for normal use.
Ventilation:	Use in well ventilated area or with local exhaust ventilation.
Protective Equipment:	Use general laboratory protective equipment, including safety glasses or goggles, protective gloves, and lab coat.
Other Protective Clothing or Equipment:	None for typical use.
Work/Hygienic Practices:	Avoid contact with eyes and skin. Always maintain good housekeeping. Do not eat or store food and beverages in areas where chemicals are stored.



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9. Physical/Chemical Characteristics

- Boiling Point (°F): N/A
- Vapor Pressure (mmHg): N/A
- Vapor Density (Air = 1.0): N/A
- Solubility in Water: Fully miscible
- Appearance: N/A
- Form: Liquid
- Specific Gravity (Water = 1.0): N/A
- Percentage Volatile by Volume (%): N/A
- Evaporation Rate: N/A
- pH: 8.0
- Odor: N/A
- Color: Clear

10. Stability and Reactivity

Stability:	Stable under ordinary use and storage.
Hazardous Decomposition or Byproducts:	Toxic vapors may be released in a fire.
Hazardous Polymerization:	Will not occur.

11. Toxicology Information

The toxicological properties have not been determined on the mixture as a whole. Toxicological data is provided for the individual components. Only selected data is presented here. Manufacturer MSDS's for individual components and references cited therein should be consulted for complete information.

Toxicological Investigations:	Type of Test	Route of Exposure	Species Observed	Dose Data
	Sodium Chloride:			
	LC50	Inhalation	Rodent, rat	>42 gm/m ³ /1H
	LD50	Skin	Rabbit	>10 gm/kg
	LD50	Oral	Rat	3000 mg/kg
	Glycerol:			
	LC50	Inhalation	Rodent, rat	>570 mg/m ³ /1H
	LD50	Onto the skin	Rabbit	27 gm/kg
	LD50	Oral	Rat	12600 mg/kg
	<ul style="list-style-type: none">Glycerol and sodium chloride are investigated as mutagen, reproductive effectors.Carcinogenicity: None of the components are listed by NTP, IARC, or regulated by OSHA as carcinogens.			



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12. Ecological Information

No data available for the product mixture. Data for individual components is as follows:

- Sodium chloride: No information found.
- Glycerol: This material is expected to readily biodegrade if released into soil or water. When released into the air, may be moderately degraded by reaction with photochemical produced hydroxyl radicals.

13. Disposal Considerations

Waste Disposal Method: Containers and unused contents should be disposed in accordance with federal, state, and local requirements.

14. Transport Information

Data is not available for the product mixture as a whole. Components have not been regulated.

DOT: Not available.

IATA: Not available.

15. Regulatory Information

TSCA: Several components are listed under the TSCA chemical inventory.

SARA: Several components are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

California Prop 65: Not regulated.

16. Other Information

The information, data, and recommendations contained herein are believed to be accurate but might not be all-inclusive and should be used only as a guide. diaDexus, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. We reserve the right to revise this MSDS periodically as new information becomes available.