

3401 Grays Ferry Avenue, Philadelphia PA 19146

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Safety Data Sheet

1. Identification

Product Name	BioKey, LAP
Substance/Mixture	Substance
Company:	Allevi, Inc.
Address	3401 Grays Ferry Avenue, Philadelphia PA, 19146
Telephone	215-588-8937
email	info@allevi3D.com

2. Hazards Identification

Classification of the substance or mixture	
Physical Hazards	Not classified
Health Hazards	Not classified
Environmental Hazards	Not classified
Label Elements	
Pictograms or hazard symbols	None
Signal word	No signal word
Hazard Statements	None
Precautionary statements	None

3. Composition/Information on Ingredients

Product Name	BioKey, LAP
Substance/Mixture	Substance
Chemical Name	lithium phenyl-2,4,6-trimethylbenzoylphosphinate
Chemical Formula	C ₁₆ H ₁₆ LiO ₃ P
Purity (HPLC)	>95%
Molecular Weight	294.21
CAS Number	85073-19-4
Notice through Official Gazettes Reference Numbers	
ENCS	Not Listed

4. First Aid Measure

Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin Contact:	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention
Ingestion	Get medical advice/attention immediately. Rinse mouth.
Protection of First-aiders	A rescuer should wear personal protective equipment, such as rubber gloves and airtight goggles.

5. Fire-fighting Measures

Suitable Extinguishing Media:	Dry chemical, foam, water spray, carbon dioxide.
Specific hazards arising from the chemical:	Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.
Precautions for Firefighters:	Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so.
Special Protective Equipment for Firefighters:	When extinguishing fire, be sure to wear personal protective equipment.

6. Accidental Release Measures

Personal Precautions, Protective equipment and emergency procedures	Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.
Environmental Precautions:	Prevent product from entering drains.
Methods and materials for containment and cleaning up:	Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

7. Handling and Storage

Precautions for Safe Handling	
Technical Measures:	Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent disruption of dust. Wash hands and face thoroughly after handling. Use a local exhaust if dust or aerosol will be generated.
Advice on Safe Handling:	Avoid contact with skin, eyes and clothing.
Conditions for safe storage, including any incompatibilities	
Storage Conditions:	Keep container tightly closed. Store in a cool and dark place. Store away from incompatible materials such as oxidizing agents.
Packaging Material:	Comply with laws

8. Exposure Controls/Personal Protection

Engineering Controls	Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.
Control Parameters	Not set up
Personal Protective Equipment	
Respiratory Protection:	Dust respirator. Follow local and national regulations.
Hand Protection:	Protective Gloves
Eye Protection	Safety Glasses. A face-shield, if the situation requires
Skin and body protection:	Protective Clothing. Protective boots, if the situation requires

9. Physical and Chemical Properties

Physical State (20 °C)	Solid
Form	Crystal - Powder

9. Physical and Chemical Properties

Colour	White – Almost White
Odor	No data available
pH	No data available
Melting point/freezing point	No data available
Boiling point/range	No data available
Flash point	No data available
Flammability or explosive limits:	
Lower	No data available
Upper	No data available
Relative Density	No data available
Solubility(ies)	
Water	No data available
Other Solvents	No data available

10. Stability and Reactivity

Chemical Stability	Stable under proper conditions
Possibility of hazardous reactions	No special reactivity has been reported
Incompatible materials	Oxidizing agents
Hazardous decomposition products	Carbon monoxide, carbon dioxide, phosphorous oxides

11. Toxicological Information

Acute toxicity:	No data available
Skin corrosion/irritation:	No data available
Serious eye damage/irritation:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	
IARC =	No data available
NTP =	No data available
Reproductive toxicity:	No data available

12. Ecological Information

Ecotoxicity	
Fish:	No data available
Crustacea:	No data available
Algae:	No data available
Persistence/degradability:	No data available
Bioaccumulative Potential:	
Mobility in Soil	
Log Pow:	No data available
Soil adsorption (Koc):	No data available
Henry's Law constant (PaM ³ /mol):	No data available

13. Disposal Considerations

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

14. Transport Information

Hazards Class:	Does not correspond to the classification standard of the United Nations
UN -No	Not Listed

15. Regulatory information

Sara	
Section 302	No chemicals in this material are subject to the reporting of SARA Title III, Section 302.
Section 313 (specific toxic chemical listings):	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
California Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm

16. Other Information

This information is based on our present knowledge. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. The products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility. Allevi, Inc. and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. This document and information shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.