

Safety Data Sheet



Kallur

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION	
Product Name	Kallur
Recommended Use	Foliar Fertilizer
Provider	Cultiva LLC
Address	4780 West Harmon Ave., Suite 6 Las Vegas, NV 89103
Telephone	(702) 987-6203
Emergency Contact / Number	(888) 638-1955 (US only): + (702) 987-6203 (outside US)
Manufacturer Information	Doosan Corporation 39-3, Swongbok-dong Suji-gu, Yong-in-si Gyenggi-do, Korea

SECTION 2: HAZARD IDENTIFICATION	
Hazards	Not Classified.
Signal Word	Not Applicable.
Hazards Description	It can irritate the respiratory tract. It can irritate the eyes. Dangerous if absorbed by the skin. It can irritate the skin and repeated skin contact can cause allergic reactions in some individuals.
Specific Hazards	Not Applicable.
Other Hazards	No Available Information.

SECTION 3: COMPOSITION/INGREDIENT INFORMATION	
This product is a mix	
Component 1	
Systematic Chemical Name	lysophosphatidylethanolamine
Common Name	---
Concentration Range	10%
CAS Number	95046-40-5
EC Number	305-827-3

SECTION 4: FIRST AID MEASURES	
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration. If person is breathing with difficulty provide oxygen. Call a poison control center or doctor for further treatment advice.
Skin Contact	Remove contaminated clothes. Immediately wash skin with plenty of soap and water. If the skin gets irritated seek medical assistance.
Eye Contact	Hold eye open and rinse with water for 15-20 minutes. Call a doctor.

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Ingestion	Have victim drink abundant water. Never give water to an unconscious person. Call a doctor.
Expected Acute Effects	No Available Information.
Expected Delayed Effects	No Available Information.
Indication of Immediate Medical Attention	No Available Information.

SECTION 5: FIRFIGHTING MEASURES	
Suitable Extinguishing Media	Dry chemical extinguisher, carbon dioxide, water or foam.
Unsuitable Extinguishing Media	No Available Information.
Specific Products Arising from Combustion and Thermal Degradation	Carbon oxides, nitrogen and phosphorous.
Associated Specific Hazards	No Available Information
Specific Extinguishing Procedure	Evacuate all personnel to a safe area. Keep personnel away from the fire and in an area with good airflow. Use self-contained breathing apparatus and full personal protective equipment.
Precautions for Firefighters	No Available Information.

SECTION 6: ACCIDENTAL RELEASE MEASURES	
Personal Precautions	No Available Information.
Protective Equipment	See section 8.
Emergency Procedure	Immediately notify the appropriate authorities. Take all additional measurements to prevent and remedy the adverse effects of the spill.
Environmental Precautions	Prevent product from entering drains, sewers or waterways.
Materials and Methods for Containment, Confinement and/or Abatement	Immediately aspirate or collect the material.
Materials and Methods for Cleaning Up	Clean up the product residue with cloth. Do not dispose of the residue in drainage systems or other waterways.

SECTION 7: HANDLING AND STORING	
Handling	
Precautions for Safe Handling	Avoid contact with skin and eyes. Wash with soap after handling. Remove contaminated clothes and wash before re-using.
Operational and Technical Measures	Wash the exterior of the gloves before removing them. Remove personal protective equipment immediately after handling the product. Keep and wash PPE separate from other clothes. As soon as possible, carefully wash and put on clean clothes. Handlers should wash hands before

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	eating, drinking, chewing gum, using tabaco or using the bathroom.
Other Precautions	No Available Information.
Specific Precautions	No Available Information.
Storing	
Conditions for Safe Storing	Store containers in a cool area until used.
Technical Measures	No Available Information.
Incompatible Substances or Mixes	No Available Information.
Containing and Packing Material	No Available Information.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTIONS			
	Weighted Permissible Limit	Temporal Permissible Limit	Source
lysophosphatidylethanolamine	No Available Information.	No Available Information.	---

Personal Protective Equipment	
Respiratory Protection	No Available Information.
Hand Protection	Wear water resistant gloves.
Eye Protection	Wear safety glasses or goggles.
Skin and Body Protection	Wear long sleeves garments, long pants, shoes and socks.
Engineering Controls	No Available Information.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
Physical State	Liquid.
Appearance	Not Applicable.
Color	White to light yellow.
Odor	Vegetable oil.
pH	6.5 - 7.0
Melting/Freezing Point	No Available Information.
Boiling Point, Initial Boiling Point and Boiling Range	No Available Information.
Flash Point	No Available Information.
Explosive Limit	No Available Information.
Vapor Pressure	No Available Information.
Relative Vapor Density (air=1)	No Available Information.
Density	1.2 g/cm ³
Solubility	Water soluble.
Partition Coefficient Octanol/Water	No Available Information.
Autoignition Temperature	No Available Information.
Decomposition Temperature	No Available Information.

SECTION 10: STABILITY AND REACTIVITY	
Chemical Stability	Stable under the normal recommended handling and storing conditions (see section 7).
Hazardous Reactions	Will not occur.
Conditions to Avoid	No Available Information.
Incompatible Materials	Strong acids and bases.
Hazardous Decomposition Products	Carbon oxides, nitrogen and phosphorous

SECTION 11: TOXICOLOGICAL INFORMATION	
Acute Toxicity (LD50 and LC50)	
By Ingestion LD50	>5000 mg/kg, rat, male and female
By Skin LD50	>2000 mg/kg, rat, male and female
By Inhalation LC50	>2.5mg/kg, rat, male and female
Skin Irritation/Corrosion	Not irritable in rabbits.
Severe Ocular damage/Irritation	Moderate irritation in rabbits.
Respiratory or Skin Sensitization	Strong thermal sensitizer in Guinea pigs (Magnusson and Klingman test) .
Reproductive Cell Mutagenicity/ <i>in vitro</i>	No Available Information.
Reproductive Toxicity	No Available Information.
Specific Organ Toxicity – Single Exposure	No Available Information.
Specific Organ Toxicity – Repeated Exposure	No Available Information.
Inhalation Hazard	No Available Information.

SECTION 12: ECOLOGICAL INFORMATION	
Ecotoxicology (EC, IC and LC)	No Available Information.
Persistence and Degradability	No Available Information.
Potential Bioaccumulation	No Available Information.
Soil Mobility	No Available Information.

SECTION 13: FINAL DISPOSAL INFORMATION	
Residues	
Contaminated Containers and Packaging	
Contaminated Material	

SECTION 14: TRANSPORTATION INFORMATION			
	Transportation Mode		
	Land	Water	Air
Regulations	Not Applicable	Not Applicable	Not Applicable
UN Number	Not Applicable	Not Applicable	Not Applicable
Official Transport Designation	Not Applicable	Not Applicable	Not Applicable
UN Primary Hazard Classification	Not Applicable	Not Applicable	Not Applicable
UN Secondary Hazard Classification	Not Applicable	Not Applicable	Not Applicable
Container/Packing Group	Not Applicable	Not Applicable	Not Applicable

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Environmental Hazards	Not Applicable	Not Applicable	Not Applicable
Special Precautions	Not Applicable	Not Applicable	Not Applicable

SECTION 15: REGULATORY INFORMATION	
National Regulations	
International Regulations	No Available Information.
Receiving party should verify the existence of local regulations for this product	

This product must be handled and stored according to the standard practices of industrial hygiene for chemical products and in accordance to the active regulations. The information provided in this document corresponds to the latest safety acknowledgements. It is not to be assumed that it guarantees certain properties.

The information in the technical sheet was obtained through reliable sources. The expressed opinions detailed in this technical sheet correspond to trained professionals. This is the most recent information on the product. Considering that the use of this information and product are not under the provider's control, the company is not responsible for this concept. Determining the safe use conditions for this product is the responsibility of the user.