


# Safety Data Sheet

## Kallur 0-0-5 Foliar Fertilizer

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION	
Product Name	Kallur 0-0-5
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	SBL 1F,176-13, Hohyeon-ro, Siheung-si, Gyeonggi-do, Republic of Korea

SECTION 2: HAZARD IDENTIFICATION	
Hazard Symbol	
Hazards	H303 – May be harmful if swallowed H316 – Causes mild skin irritation H320 – Causes eye irritation H333 – May be harmful if inhaled H335 – May cause respiratory irritation
Signal Word	Warning
Other Hazards	No Available Information

SECTION 3: COMPOSITION/INGREDIENT INFORMATION	
This product is a mixture	
Component 1	
Systematic Chemical Name	Potassium Acetate
Synonyms	Acetic acid, potassium salt
Common Name	Soluble Potash
Concentration Range	5%
CAS Number	127-08-2
EC Number	204-822-2

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 poison control center or doctor for further treatment advice.
Ingestion	Have victim drink abundant water. Do not give anything by mouth to an unconscious person. Call a poison control center or doctor for further treatment advice.
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 and clothing. 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 eating, drinking, chewing gum, using tobacco or using the bathroom.
Other Precautions	No Available Information.
Specific Precautions	No Available Information.
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	
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	Amber to Dark Yellow
Odor	Vegetable oil.
pH	6.0-8.0
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 <sup>3</sup>
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 (LD <sub>50</sub> and LC <sub>50</sub> ): Due to the formulation type, no studies have been performed on the end-use formulation. Available information about Potassium Acetate source of K <sub>2</sub> O is reported here:	
By Ingestion LD <sub>50</sub>	>3250 mg/kg, rat
By Skin LD <sub>50</sub>	No Available Information
By Inhalation LC <sub>50</sub>	Lowest published toxic concentration/ rat: 0.117 mg/M <sup>3</sup> /2 weeks continuous
Skin Irritation/Corrosion	No Available Information
Severe Ocular damage/Irritation	No Available Information
Respiratory or Skin Sensitization	No Available Information
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): Due to the formulation type, no studies have been performed on the end-use formulation. Available information about Potassium Acetate source of K <sub>2</sub> O is reported here:	
Fresh water algae	No Available Information.
Fresh water fish LC <sub>50</sub>	6800 mg/L, 96h semi-static ( <i>Oncorhynchus mykiss</i> )
Microtox	No Available Information.
Water Flea EC <sub>50</sub>	7170 mg/L, 24h ( <i>Daphnia magna</i> )
Persistence and Degradability	Potassium acetate is soluble in water. Persistence is not likely based upon available information.
Potential Bioaccumulation	No Available Information.
Soil Mobility	No Available Information. Will likely be mobile in the environment due to its water solubility

SECTION 13: FINAL DISPOSAL INFORMATION	
Residues	n/a
Contaminated Containers and Packaging	Recycle after emptying the package carefully and following any local regulations regarding disposal.
Contaminated Material	Biodegradable

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

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

SECTION 16: OTHER INFORMATION	
Issue Date	4-21-2020
Revision Date	4-21-2020
Version #	01
<p><b>Disclaimer:</b></p> <p>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.</p> <p>Cultiva, LLC cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in this SDS was obtained through reliable sources and was written based on the best knowledge and experience currently available.</p>	