

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FORMULATOR'S NAME: Oregon Vineyard Supply
 2700 St Joseph Rd,
 McMinnville Or 97128

24-Hour Emergency Phone

PRODUCT NAME: 0-0-21.5 SPECIAL K FOLIAR FERTILIZER
 Inorganic/Organic Chemical Fertilizer Mixture

24 Hour Emergency HAZMAT Response:
 Chemtrec; 1-800-424-9300

CHEMICAL FAMILY: Potassium Liquid Blended Fertilizer
 EPA REG. NO.: Not applicable

EPA National Response Center. (800) 424-8802

MSDS Number: 1000 LIQ-002

MSDS Revisions: 11/17/2014

Date of issue: 11/17/2014

COMPOSITION, INFORMATION ON INGREDIENTS (Note: see product tag or label for specific ingredients)

Chemical Ingredients:	Percentage by Weight	CAS No. 127-08-2
Total Nitrogen (N)	0.000	Mixture
Available Phosphate (P2O ₅)	0.000	Mixture
Soluble Potash (K ₂ O)	21.500	Mixture
Humic Acids	0.002	Mixture
Fertilizer salts and inert ingredients	78.498	Mixture

HAZARDS IDENTIFICATION SUMMARY

CAUTION: KEEP OUT OF REACH OF CHILDREN
 This product is a water clear liquid with fertilizer-like odor. Primary routes of entry are Inhalation, eye contact and skin contact.

FIRST AID MEASURES

Eyes: Flush eyes with large amount of water for at least 15 minutes. Consult a physician if irritation persists.

Skin: Remove all contaminated clothing. Wash skin, hair, and fingernails thoroughly with soap and water. If irritation persists seek medical attention. Wash clothing before reuse.

Ingestion: If swallowed, give 2 glasses of water to drink. Do not induce vomiting or give anything by mouth to an unconscious person. Call a physician to get medical attention

Inhalation: Move subject to fresh air. Give artificial respiration if breathing has stopped. If breathing is difficult, give oxygen, get medical attention immediately.

FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): Not Flammable

FLAMMABLE LIMITS (LEL & UEL): Not applicable

EXTINGUISHING MEDIA: Considered non-combustible, use medium appropriate to surrounding fire.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide and/or carbon dioxide. Large quantities of carbon monoxide/dioxide in enclosed areas can result in lack of oxygen and possible suffocation

SPECIAL FIRE FIGHTING PROCEDURES: N/A

ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Confine the spill to a diked area or sump, if possible, and recover as much of the liquid potassium acetate as possible. Place in suitable containers for reuse or disposal. Clean up area with excess water to remove residue

HANDLING AND STORAGE

HANDLING: Keep in a dry, cool, well-ventilated place. Ground all equipment containing the material. Keep container tightly closed. Store in suitable containers made of plastic, mild steel, fiberglass, or stainless steel. Always use good safety and industrial hygienic practices. Wear suitable personal protective equipment.

OTHER PRECAUTIONS: Toxic to fish and other aquatic organisms.
 Do not contaminate water supplies by handling and storage of product. Drift or runoff may adversely affect aquatic invertebrates and non-target plants.

EXPOSURE CONTROLS /PERSONAL PROTECTION

ENGINEERING CONTROLS: Not normally required.

RESPIRATORY PROTECTION: Keep in a dry, cool, well-ventilated place. Ground all equipment containing the material. Keep container tightly closed. Store in suitable containers made of plastic, mild steel, fiberglass, or stainless steel. Always use good safety and industrial hygienic practices. Wear suitable personal protective equipment.

EYE PROTECTION: Chemical goggles or shielded safety glasses.

SKIN PROTECTION: Wear protective clothing: long-sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or chemical-resistant gloves.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Water clear liquid with fertilizer-like odor
 SPECIFIC GRAVITY (Water= 1): 1.258 g/ml BULK DENSITY: 10.5 lbs/gallon SOLUBILITY: Soluble
 VAPOR PRESSURE: Not established BOILING POINT: F PERCENT VOLATILE pH: 10.5 - 11.5
 (by volume): Not established EVAPORATION RATE: Not established
 Note: These physical data are typical values based on material tested but may vary from sample to sample.
 Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

STABILITY AND REACTMITY

STABILITY: Stable CONDITIONS TO AVOID: Excessive heat or exposure to atmospheric moisture or water
 INCOMPATIBILITY: Strong oxidizing agents.
 Hazardous Decomposition Products: Carbon monoxide and/or carbon dioxide

TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Hazardous in case of ingestion.
 Slightly hazardous in case of skin contact (irritant), or inhalation. ACUTE TOXICITY: LD₅₀ (Oral, Rat): 3250 mg/kg
 CHRONIC TOXICITY: No data available.
 Carcinogenic Potential: None listed in OSHA, NTP, IARC or ACGIH

ECOLOGICAL INFORMATION

Drift or runoff may adversely affect non-target plants. Do not apply directly to water. Do not contaminate water when disposing of equipment wash water.
 Do not apply when weather conditions favor drift from target area.

DISPOSAL CONSIDERATIONS

Reclaim and reuse as much as possible. Large spills should be diked to contain the material and prevent contact with waterways and sewer systems. Do not dump into any sewers, on the ground, or into any body of water. Material should be absorbed with absorbent materials (such as kitty litter/sand) and disposed of in accordance with Provincial and Federal regulations.

TRANSPORT INFORMATION

DOT Shipping Description: Not regulated by DOT by highway.
 U.S. Surface Freight Classification: Fertilizing Compounds (Manufactured Fertilizers), NOI; Liquid (NMFC 68140, Sub 5; Class 50)

REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:

NFPA		HMIS
1 Health	0 Least	1 Health
0 Flammability	1 Slight	0 Flammability
0 Instability	2 Moderate	0 Reactivity
	3 High	H PPE
	4 Severe	

SARA Hazard Notification/Reporting
 SARA Title III Hazard Category. Immediate Y Fire N Sudden Release of Pressure N
 Delayed N Reactive N

Reportable Quantity (RQ) under U.S. CERCLA: Not listed
 SARA, Title III, Section 313: Not listed
 RCRA Waste Code: Not listed

OTHER

MSDS STATUS: Revisions made 11/17/14

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