

**OVS 3-18-18**  
**N-P-K Solution**  
Material Safety Data Sheet

**Manufacturer:**

**Oregon Vineyard Supply**

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**Emergency No:**

**Section I. Material Identification**

**Chemical name:** Nitrogen, Phosphorous, Potassium

**Analysis**

Total Nitrogen (N)	3.0%
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> )	18.0%
Soluble Potash (K <sub>2</sub> O)	18.0%

Derived From: Urea, Phosphoric Acid, and Potassium Hydroxide.

**Section II. Ingredients and Hazards**

Contains no hazardous components as per 29 CFR 1910.100 (Subpart Z)

**Section III. PHYSICAL DATA**

Solubility in wáter:	Complete
Appearance and color:	Clear liquid
Odor:	No apparent odor and/or mild ammonia
pH:	7.4 – 7.8
Specific Gravity:	1.41

**Section IV. FIRE AND EXPLOSION HAZARD DATA**

**Flash point:** NA    **Autoignition Temp:** NA    **Flammability limits in air:** NA

**Extinguishing media:** N-P-K Soluitons are non-flammable, if involved in fire use media suitable for surrounding materials.

**Special fire fighting procedures:** none.

**Unusual fire and explosi3n hazards:** none.

**Section V. Health Hazard Information**

**Effects of overexposure:** N-P-K Solutions are considered to be low health hazards.

**First Aid:**

**Eye Contact:** flush eyes immediately and thoroughly with wáter for at least 15 minutes, If irritation persist seek medical attention.

**Skin Contact:** flush skin immediately and thoroughly with wáter, If irritation persist seek medical attention.

**Inhalation:** Generally not considered an inhalation hazard.

**Ingestion:** If conscious, immediately give large quantaties of wáter and induce vomiting. Seek medical attention immediately.

## **Section VI. Reactivity Data**

**Stability:** Stable.

**Conditions to avoid:** when heated may give off ammonia gas.

**Incompatibility:** water-reactive materials.

**Hazardous decomposition products:** ammonia.

**Hazardous polymerization:** will not occur.

## **Section VII. Spill leak and Disposal Procedures**

**Spills and Leaks:** Since N-P-K Solutions are a fertilizer, it may promote eutrophication in waterways. In case of spill, contain spill and maximize recovery. Mop up or pump up promptly in suitable containers.

**Waste Disposal Method:** Disposal of N-P-K fertilizer may be subject to federal, state, and local regulations. Users should review their options in terms of applicable laws and regulations before discharging or disposing.

## **Section VIII. Special Protection Information**

**Respiratory Protection:** Respirators are not required under normally ventilated conditions. If heated to evolve ammonia, use appropriate protection. If misted by heat, agitation or spray, use a mist respirator approved by NIOSH. Do not use-single use type.

**Ventilation: Local exhaust:** adequate, **Mechanical:** only if heated or misted.

**Protective Gloves:** Rubber gloves.

**Eye Protection:** Safety glasses and face shield recommended.

**Other Protection:** Not generally required.

## **Section IX. Special Precautions and Comments**

**Storage and Handling:** Storage is suitable in the following containers: HDPE (high density polyethylene) FG (fiberglass reinforced plastic) Stainless Steel. This product is heavier than water. Storage containers will need to accommodate the fertilizer weight per gallon.

**Other Precautions:** Always follow good hygiene practices.

### **Hazard Rating (N.F.P.A):**

Health: 0

Fire: 0

Reactivity: 0

Specific: 0

**DOT Class:** N/A

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