

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 ₂ O ₅)	18.0%
Soluble Potash (K ₂ 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 Solutions are non-flammable, if involved in fire use media suitable for surrounding materials.

Special fire fighting procedures: none.

Unusual fire and explosion 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 quantities 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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