# SAFETY DATA SHEET
# ProPEAT 11-11-11

## SECTION 1: IDENTIFICATION

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|---|---|
| **Product Identifier:** | ProPEAT 11-11-11 |
| **Alternate Names:** | Common Name: Fertilizing compound, dry<br>Chemical Description: Dry fertilizing compound |
| **Recommended Use:** | Agriculture/Horticulture – Refer to Product label |
| **Company Name:** | Fertile Peat Products, LLC |
| **Address:** | 453 Business Loop<br>Sugar City, Idaho 83448 |
| **Phone Number:** | DAYS: 801.635.9056 |
| **Email:** | info@FertilePeatProducts.com |
| **Emergency Phone Numbers:** | EPA National Response Center: (800) 424-8802 |

## SECTION 2: HAZARDS IDENTIFICATION

**Hazard Classifications:** This product is classified as dangerous according to GHS requirements and OSHA HCS (NPRM) standard (29 CFR 1910.1200)

**Classification**: Eye Irritation - Category 2A
Skin Irrication - Category 2
Acute Tox. - Category 4

**Signal Word:** WARNING

**Pictogram:**



**Hazard Statements:** May be harmful if swallowed.
Causes eye and skin irritation.

**Precautionary Statements:**

- Keep out of reach of Children
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear protective gloves and eye protection.
- Do not breathe dust
- Avoid release to the environment.
- IF SWALLOWED: Call a Poison Center or doctor if you feel unwell
- Rinse mouth.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists, get medical advice/attention.
- IF ON SKIN: Wash with plenty of water.
- If skin irritation occurs, get medical advice/attention.
- Take off contaminated clothing and wash it before reuse.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Ingredients | | Percent by Weight | CAS Number |
|---|---|---|---|
| Muriate of potash | | 15-20% | 7447-40-7 |
| Ammonium sulfate | | 35-45% | 7783-20-2 |
| Monoammonium phosphate | | 20-25% | 7722-76-1 |

## SECTION 4: FIRST AID MEASURES

**Inhalation** Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Eyes** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**Skin** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. If skin irritation occurs, get medical advice/attention.

**Ingestion** If conscious and alert, drink water or milk to dilute, then induce vomiting. Call a physician or Poison Control Center immediately.

**Most important symptoms/effects, acute and delayed** Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**Indication of immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**General information** In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

## SECTION 5: FIRE FIGHTING MEASURES

**5.1. Extinguishing media**

Water fog, foam, dry chemical, carbon dioxide (CO2). Do not use water jet as an extinguisher as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture**

Hazardous decomposition: Thermal degradation at high temperatures above 575° C (1067° F) may produce sulfur trioxide.

**5.3. Advice for fire-fighters**

Wear positive pressure, self-contained breathing apparatus and goggles. Contain any liquid runoff.

Unusual Fire and Explosion Hazards: None known.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions, protective equipment and emergency procedures**

Put on appropriate personal protective equipment (see section 8). Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.
Prevent product spillage from entering drinking water supplies or streams.

### 6.3. Methods and material for containment and cleaning up

Collect liquid or absorb onto absorbent material and package for disposal. After removal of spilled product, flush contaminated area thoroughly with water. Do not return spills to original containers for re-use.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Transfer products using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc. Wear the appropriate personal protective equipment when handling this product. Avoid contact with eyes, skin and clothing. Avoid inhalation of spray mists. Wash thoroughly with water after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage. Incompatible materials: Contact with brass or strong oxidizing agents.
Store in plastic or stainless steel container in a cool, well-ventilated, dry place at temperatures above 40° F. Keep container tightly closed. Do not store in contact with brass. Do not store near food or feeds. Do not stack pallets more than two high. Keep out of reach of children.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters (None)

### 8.2. Exposure controls

| | |
|---|---|
| **Respiratory** | If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators. |
| **Eyes** | Chemical dust goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling. |
| **Skin** | Impervious gloves and clothes. |
| **Engineering Controls** | Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn. |
| **Other Work Practices** | Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance** | Dark Brown |
| **Odor** | Slight sulfur |
| **Odor threshold** | Not available |
| **pH** | Not available |
| **Melting point / freezing point** | Not available |

| | |
|---|---|
| **Initial boiling point and boiling range** | Not available |
| **Flash Point** | Not available |
| **Evaporation rate (Ether = 1)** | Not available |
| **Flammability (solid, gas)** | Noncombustible |
| **Upper/lower flammability or explosive limits** | **Lower Explosive Limit:** Not available |
| | **Upper Explosive Limit:** Not available |
| **Vapor pressure (Pa)** | 0.00001 hPa estimated |
| **Vapor Density** | Not available |
| **Relative Density** | Not available |
| **Specific Gravity** | Not available |
| **Solubility in Water** | Not available |
| **Partition coefficient n-octanol/water (Log Kow)** | Not available |
| **Auto-ignition temperature** | Not available |
| **Decomposition temperature** | Not available |
| **Viscosity (cSt)** | Not available |
| **Other information:** | |
| **Percent volatile** | 0% estimated |
| **pH in aqueous solution** | Not available |
| **Pounds per cubic foot** | |

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Stable and non-reactive under normal conditions of use, storage and transport.
**Chemical stability:** Stable under normal circumstances.
**Possibility of hazardous reactions:** Hazardous polymerization will not occur.
**Conditions to avoid:** Avoid contact with incompatible materials.
**Incompatible materials:** Contact with brass or strong oxidizing agents.
**Hazardous decomposition products:** Thermal degradation at high temperatures above 575° C (1067° F) may produce sulfur trioxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

**ProPEAT 11-11-11 (CAS Mixture)**
**Acute Toxicity/Irritation Studies:**
Acute Oral $LD_{50}$ (rat): >5000 mg/kg
Acute Dermal $LD_{50}$ (rat): >5000 mg/kg
Acute Inhalation $LC_{50}$ (rat): >0.5 mg/l (4 HR)
**Skin corrosion/irritation:** Prolonged skin contact may cause temporary irritation.
**Eye irritation:** Causes mild eye irritation.
**Respiratory sensitization:** Not available
**Skin Sensitization:** This product is not expected to cause skin sensitization.
**Sub chronic Effects:** None known.
**Chronic Effects:** Prolonged inhalation may be harmful.
**Germ Cell Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
**Carcinogenicity:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
**Reproductive Toxicity:** This product is not expected to cause reproductive or developmental effects.
**STOT-single exposure:** Not classified.

**STOT-repeated exposure:** May cause damage to organs through prolonged or repeated exposure.
**Aspiration Hazard:** Not available.

## SECTION 12: ECOLOGICAL INFORMATION

**Aquatic Ecotoxicity**

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|---|---|---|---|
| **ProPEAT 11-11-11** | Not available | Not available | Not available |

**Persistence and degradability:** No data is available on the degradability of this product.
**Bioaccumulative potential:** Not available.
**Mobility in soil:** No data available.
**Other adverse effects:** No other adverse environmental effects are expected from this compound.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**
Observe all federal, state and local regulations when disposing of this substance.

## 14. TRANSPORT INFORMATION

**DOT CLASSIFICATION:** Not regulated in domestic (USA ground) transportation.
**U.S. Surface Freight Classification**: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI; DRY (NMFC 68140, SUB 5; CLASS 50

## 15. REGULATORY INFORMATION

**Regulatory Overview:** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
**Toxic Substance Control Act (TSCA):** All components of this material are either listed or exempt from listing on the TSCA inventory.

**CERCLA Hazardous Substance List: None**

**SARA 304 Emergency release notification: Not regulated.**
**OSHA Specifically Regulated Substances: Not listed.**

**Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories:**

Immediate Hazard – Yes
Delayed Hazard – Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard – No

**SARA 302 Extremely hazardous substance:** Not listed.
**SARA 311/312 Hazardous chemical:** No
**SARA 313 (TRI reporting)**
**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: None**

**US State Right-To-Know: None**

**US. California Proposition 65**

WARNING: This product may contain a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

## 16. OTHER INFORMATION

SDS Issue Date: October 30, 2017

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**This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.**

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