MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name: BURN BARRIER™ FP

CAS#: Mixture

Product Use: Liquid Water Based Fire Retardant

Manufacturer: National Purity, LLC.

6840 Shingle Creek Parkway, Suite #23

Brooklyn Center, MN 55430

Emergency Telephone Number: 1-800-255-3924

HMIS LEGEND

Severe: 4

Health: 1

Serious: 3

Flammability: 0

Moderate: 2

Reactivity: 0

Slight: 1

Personal Protection: B

2. Hazards Identification

Emergency Overview: Caution. May cause eye and skin irritation

Potential short term effects

Routes of exposure

Eyes: Solutions of product may cause irritation, tearing, and redness.

Skin: Contact with skin may cause irritation.

Ingestion: May cause mouth and throat irritation, stomach distress, nausea or vomiting.

Target organs: Eyes, Skin.

Chronic effects: Prolonged exposure can cause drying, defatting, or dermatitis.

Signs and symptoms: Symptoms may include redness, edema, drying, defatting and cracking of skin.

3. Hazardous Ingredients and Exposure Control

The criteria for listing components in this section are: Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater. Non hazardous components are not listed. This is not a composition disclosure.

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>CAS#</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>%(optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diammonium phosphate</td>
<td>7783-28-0</td>
<td>Not Avail.</td>
<td>Not Avail.</td>
<td>&lt; 15%</td>
</tr>
<tr>
<td>Ammonium sulfamate</td>
<td>7773-06-0</td>
<td>Not Avail.</td>
<td>Not Avail.</td>
<td>&lt; 15%</td>
</tr>
</tbody>
</table>

4. First Aid Measures

First Aid Procedures

Eye Contact: Flush with cool running water for 15 minutes. If irritation persists, get medical attention.

Skin Contact: Flush with cool water. Remove contaminated clothing and shoes. Wash before reuse. If irritation occurs, get medical attention.

Ingestion: Drink one or two glasses of water, Do not induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person.

Notes to Physician: Symptoms may be delayed.

General advice: Seek medical attention if feeling unwell. Show the MSDS to the physician in attendance.

5. Fire-fighting Measures

Flammable properties: Not flammable

Extinguishing media: Use procedures appropriate to main source of fire.

Protection of firefighters: Firefighters should wear protective clothing including self contained breathing apparatus
 Hazardous combustion products: May include and not limited to ammonia, oxides of carbon, sulfur, and nitrogen.

Unusual Fire, Explosion hazards: None known.

6. Accidental Release Measures

| Personal precautions | Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective clothing. |
| Methods for containment | Stop leak if you can do so without risk. Prevent entry into waterways, sewers. |
| Methods for cleaning up | Before attempting clean up, refer to hazard data given above. Small spills may be mopped up and rinsed. Large spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled containers. Rinse area with water. Never return spill to original container for reuse. |

7. Handling and Storage

| Handling | Use good industrial hygiene practices when handling this material |
| Storage | Keep from freezing, store in a cool dry place away from incompatible materials. |

8. Exposure Controls and Personal Protection

| Engineering controls | General ventilation normally adequate |
| Personal protective equipment | Eye/Face protection: Wear safety glasses with side shields if splash conditions exist. Hand protection: Generally not required. Skin and body: As required by employer code. Respiratory protection: Use a NIOSH approved respirator when exposure guidelines are exceeded. General hygiene considerations: Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product. |

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Appearance/form</th>
<th>Color</th>
<th>Odor</th>
<th>pH</th>
<th>Boiling point</th>
<th>Flash point</th>
<th>Specific gravity</th>
<th>Evaporation rate</th>
<th>Vapor pressure</th>
<th>Vapor density</th>
<th>Solubility in water</th>
<th>VOC</th>
<th>% Volatile</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear liquid</td>
<td>Colorless</td>
<td>Slight ammonia</td>
<td>7.5-8.1 (concentrate)</td>
<td>&gt; 212° F. (100° C.)</td>
<td>Not flammable</td>
<td>1.135-1.555</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>Complete</td>
<td>&lt; 1%</td>
<td>Approx70%</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

| Chemical Stability | Stable under normal storage conditions. |
| Conditions to avoid | Do not mix with other chemicals. |
| Incompatible materials | Acids, strong oxidizing agents. |
| Hazardous decomposition products | May include but not limited to ammonia, oxides of carbon, sulfur and nitrogen. |
| Hazardous polymerization | Will not occur |
11. Toxicological Information

**Effects of acute exposure**
- **Eye**: May cause irritation.
- **Skin**: May cause irritation.
- **Ingestion**: May cause mouth and throat irritation, stomach distress, nausea, or vomiting.

**Sensitization**: Non hazardous.

**Chronic effects**: Prolonged exposure to skin may cause drying, defatting and irritation.

**Carcinogenicity**: Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA.

**Mutagenicity**: Non hazardous.

**Reproductive effects**: Non hazardous.

**Teratogenicity**: Non hazardous.

12. Ecological Information

**Eco-toxicity**: Components of this product have not been identified as having potential environmental concerns.

**Environmental effects**: Not Available

**Aquatic toxicity**: Not Available

**Persistence and Degradability**: Not Available

**Bioaccumulation/accumulation**: Not Available

**Partition coefficient**: Not Available

**Mobility in environmental media**: Not Available

**Chemical fate information**: Not Available

**Other adverse effects**: Not Available

13. Disposal Considerations

**Waste codes**: Not Available

**Disposal instructions**: Dispose in accordance with local, state, and federal regulations. Containerize. Rinse area with water. Keep out of storm sewer/waterways.

**Wastes from residues/unused product**: Dispose in accordance with all applicable regulations.

14. Transport Information

**Basic shipping requirements**: Not DOT regulated

15. Regulatory Information

**U.S federal regulations**: This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the MSDS contains all of the information required by OSHA.

**HMIS classification**: Irritant

**Inventory Status**

<table>
<thead>
<tr>
<th>Countries</th>
<th>Inventory Name</th>
<th>On Inventory (Yes/No)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S.</td>
<td>Chemical Inventory List</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic substances list</td>
<td>Yes</td>
</tr>
</tbody>
</table>

* A “Yes” indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.
16. Other Information

Disclaimer
To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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Expiration date: November 9, 2015