

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name	BURN BARRIER™ FPR
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
Serious	3
Moderate	2
Slight	1

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

2. Hazards Identification

Emergency Overview	Caution. May cause eye and skin irritation
Potential short term effects	
Routes of exposure	Eye, Skin contact, Ingestion.
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.

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV	%(optional)
Diammonium phosphate	7783-28-0	Not Avail.	Not Avail.	< 15%
Ammonium sulfamate	7773-06-0	Not Avail.	Not Avail.	< 15%

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
Unusual Fire, Explosion hazards

May include and not limited to ammonia, oxides of carbon, sulfur, and nitrogen.
 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

Appearance/form	Clear liquid
Color	Colorless
Odor	Slight ammonia
pH	7.5-8.1 (concentrate)
Boiling point	> 212° F. (100° C.)
Flash point	Not flammable
Specific gravity	1.135-1.555
Evaporation rate	Not established
Vapor pressure	Not established
Vapor density	Not established
Solubility in water	Complete
VOC	< 1%
% Volatile	Approx 70%

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
Wastes from residues/unused product	Containerize. Rinse area with water. Keep out of storm sewer/waterways.
Contaminated packaging	Dispose in accordance with all applicable regulations.

14. Transport Information

Basic shipping requirements:	Not DOT regulated
Proper shipping name	
Hazard class	
UN number	
Packing group	
Special provisions	
Packaging exceptions	

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		
Countries	Inventory Name	On Inventory (Yes/No)*
U.S.	Chemical Inventory List	Yes
Canada	Domestic substances list	Yes
<ul style="list-style-type: none"> 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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Supersedes date

All previous issues

Reason for update

Conform to sixteen section OSHA format.

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