



MATERIAL SAFETY DATA SHEET

Dated: October 2010

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Emergency CHEMTREC: 800-424-9300 (USA)

Manufacturer: Ultra Pure, LLC, 50 Old Kings Highway North Darien, CT 06820

Nu-Flame Bio-Ethanol Fire Place Fuel 190 Proof Denatured

1. Product Identification

Trade Name: Nu-Flame Bio-Ethanol Fireplace Fuel

Synonyms: Denatured Alcohol

2. Composition/Information on Ingredients

Ingredients	CAS#	Percent (Range)
190 Proof Ethyl Alcohol	64-17-5	88-92%
Isopropyl Alcohol	67-63-0	1-5%
Isopropyl Acetate	108-21-4	61%
Acetone	67-64-1	1-4%

3. Hazardous Identification

Hazard Rating

4=Extreme	Health 2
3=High	Flammability 3
2=Moderate	Reactivity 0
1=Slight	Other 0
0=Insignificant	

4. Emergency First Aid Measures

Eyes: Immediately flush affected area with plenty of cool water. Eyes should be flushed for at least 15 minutes. Remove and wash contaminated clothing before reuse. GET MEDICAL ATTENTION IMMEDIATELY.

Swallowing: If patient is fully conscious and able to swallow, have victim drink water or milk to dilute. Never give anything by mouth if victim is unconscious or having convulsions. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. Induce vomiting only if advised by physician or Poison Control Center.

Skin: Wash skin with soap and water for at least 15 minutes.

Inhalation: Remove victim to fresh air. If victim has stopped breathing give artificial respiration preferably mouth to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.



5. Fire Fighting Measures

Flash Point: 58.0°F TCC; 70.0°F TOC

Fire Extinguishing Media: Apply alcohol –type or all-purpose foam by manufacturer’s recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

Special Fire Fighting Procedures: Use water spray to cool fire exposed containers and structures. Use water spray to disperse vapors – re-ignition is possible. Use self-contained breathing apparatus and protective clothing. Alcohol flames may be difficult to see because they are virtually colorless.

6. Accidental Release Measures

Eliminate all ignition sources. Stop leak if without risk. Flush away with water spray. Wear NIOSH approved respirator.

7. Handling and Storage

Flammable Material: Keep away from heat, sparks, open flame and ignition sources.

Other Precautions: Avoid contact with eyes and skin. Avoid inhalation of vapors.

8. Exposure Controls/Personal Protection

Ventilation Requirements: Good general ventilation is sufficient.

Respiratory Protection: Use self-contained breathing apparatus in high vapor concentration.

Skin Protection: Wear rubber gloves

Eye Protection: safety glasses and/or full face shield where splashing is possible

9. Physical and Chemical Properties

Boiling Point: 173°F

Specific Gravity: @ 60°F: 0.797

% Volatile by Volume: 100

Vapor Density (Air=1): 1.6

Vapor Pressure (mm Hg): 44.6 @ 68°

Evaporation rate: 1

Solubility in Water: Completely

Appearance and Odor: Clear, Colorless and characteristic

10. Stability and Reactivity

Stability: Stable under normal conditions

Conditions to Avoid: Heat, sparks, open flame

Materials to Avoid: Oxidizing materials can cause vigorous reaction.

Hazardous Decomposition: None. However as with any other organic material, combustion will produce carbon dioxide and possible carbon monoxide.

Hazardous Polymerization: None

11. Ecological Information

N/A

12. Disposal Considerations

Vapors may collect in empty containers. Treat empty containers as hazardous. Ensure compliance with Federal, State and Local regulations.



13. Transport Information

Domestic (Land, D.O.T.)

Proper Shipping Name: Ethanol (Denatured Alcohol)

Hazard Class: 3 (Flammable Liquid)

UN/NA: UN1170

Packing Group: II

International (Water, I.M.O.)

Proper Shipping Name: Ethanol (Denatured Alcohol)

IMO Information: Ethanol Solutions

Hazard Class: 3 (Flammable Liquid)

UN: UN1170

Packing Group: II

14. Regulatory Information

SARA 145

15. Other Information

The information presented above is believed to be accurate and represents the best information currently available to us. We make no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages even if we have been advised of the possibility of such damages.