Safety Data Sheet

Section 1: Identification

Product Name: **Aqua Fire**

Recommended use: Liquid used to pour onto ice or water for a flame effect

Professional Use only by a qualified Pyrotechnician in a Theatrical Entertainment Application or in Professional Training Applications.

Manufacturer and Distributor's Name and Address:

Ultratec Special Effects, Inc.
148 Moon drive
Owens Cross Roads, AL 35763
United States
Telephone Number: (256) 725-4224
www.ultratecfx.com

Emergency Telephone Number: 800-255-3924 - ChemTel

Section 2: Hazard Identification

Chemicals have been withheld for trade secret and proprietary information purposes.

WARNING

Burn, eye, skin, respiratory irritation, ingestion, acute or chronic exposure
BURN: Wash affected area.
EYE: Flush eyes with water for several minutes.
SKIN: Wash with soap and water
RESPIRATORY: Move to fresh air and consult physician.
INGESTION: DO NOT INDUCE VOMITING, Contact poison control
ACUTE OR CHRONIC EXPOSURE: Seek medical attention immediately
SEEK MEDICAL ATTENTION IF YOU FEEL UNWELL
Keep away from heat, sparks and open flame, hot surfaces-
NO SMOKING
Store in a cool dry approved area
Dispose of content/container in accordance with local/regional/national and international regulations

Section 3: Composition/Information on Ingredients

Hazardous Components

Chemicals have been withheld for trade secret and proprietary information purposes.

Section 4: First-Aid Measures

BURN: Wash affected area.

Skin: Wash with soap and water. Get medical attention if irritation develops.

EYE: Flush eyes with water for several minutes.

RESPIRATORY: Move to fresh air and consult physician.

INGESTION: Aspiration hazard. Get medical aid immediately. DO NOT induce vomiting.

ACUTE OR CHRONIC EXPOSURE: Seek medical attention immediately

SEEK MEDICAL ATTENTION IF YOU FEEL UNWELL

Section 5: Fire-Fighting Measures

Use water spray to cool fire-exposed containers. Water may be ineffective. Material is lighter than water and insoluble in water. Fire could easily be spread in an area where water cant be contained. Cool containers with flooding quantities of water until well after fire is out. Use dry chemical, carbon dioxide, or appropriate foam.

Section 6: Accidental Release Measures

Absorb spilled liquid with sorbent pads, or other inert material such as vermiculite, sand, or earth. Provide ventilation to the affected area and remove ignition sources. Avoid run-off into storm sewers and ditches that lead to waterways. Approach the spill from upwind and pick up absorbed material and place it in a suitable container. Use only non-sparking tools and equipment. A vapor supressing foam may be used. Always use proper personal protective equipment as described in section 8.

Section 7: Handling and Storage

Precautions: Wash throughly after handling. Ground and bond containers when transferring material. Use spark-proof tools and explosion-proof equipment. Avoid contact with eyes, skin, and clothing. Remove contaminated clothing and wash before reuse. Empty containers contain product residue (liquid and vapor) and can be dangerous. Keep container tightly closed and away from heat, spark, and flame. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks, or open flames. Do not allow to evaporate to near dryness. Use adequate ventilation. Avoid breathing vapor or miset.

Storage: Keep in a flammable area away from heat, sparks, flame, and sources of ignition. Keep in a

tightly closed container. Store in a cool, dry, well ventilated area away from incompatible substances.

Section 8: Exposure Controls/ Personal Protection

Engineering Controls: Use explosion-proof ventilation equipment. Facilities storing or using material should be equipped with eyewash station and safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
Personal Protection: Wear protective chemical goggles or appropriate eye protection. Use appropriate protective gloves and protective clothing to prevent skin exposure. Chemical resistant nitrile gloves should be used during routine handling. Disposable nitrile gloves may be recommended during intermittent use.
Exposure Limits:
ACGIH: 300ppm TWA
NIOSH: 350 mg/m³ TWA
OSHA: Final PELs - None
OSHA: Vacated PELs - 300 ppm TWA, 1350 mg/m³ TWA

Section 9: Physical and Chemical Properties

Physical state and appearance: Clear, colorless liquid
Odor: mild gasoline odor
Vapor Pressure: N/A
Odor Threshold: N/A
Vapor Density : N/A
pH: N/A
Relative Density: N/A
Melting Point/Freezing Point: N/A
Solubility(ies): Insoluble in water
Boiling Point: 36C@760mm Hg
Flash Point: <-17C/-18F
Evaporation Rate: Slower than ether
Flammability: N/A
Upper/Lower flammability or explosive limits: Lower Limit: 1.1 vol %, Upper Limit: 5.9 vol %
Vapor Pressure: N/A
Vapor Density: N/A
Partition coefficient: n-octanol/water: N/A
Auto-ignition Temperature: 287C/550F
Viscosity: N/A

Section 10: Stability and Reactivity

Stability: Stable under normal pressure and temperature
Conditions to Avoid: Incompatible materials, ignition sources, excess heat
Incompatibility (Materials to Avoid): May explode with nitrogen tetroxide. Potential violent reaction with strong oxidizers
Hazardous Decomposition or Byproducts: Carbon minoxide and carbon dioxide
Hazardous Polymerization: Will not occur

Section 11: Toxicological Information

Routes of Entry: Inhalation. Inhalation, absorbed through skin
Toxicity to Animals: Not available
Chronic Effects on Humans: Not available.
Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion, of inhalation
Special Remarks on Toxicity to Animals: Not available
Special Remarks on Chronic Effects on Humans: Not available
Special Remarks on other Toxic Effects on Humans: Not available
Acute Potential Health Effects: Skin: Severely irritates skin and may result in severe pain. Eyes: Severely irritates eyes and may result in severe pain. **Ingestion:** Harmful if swallowed. Swallowing may result in severe stomach pain. **Inhalation:** May be harmful if inhaled. May cause irritation of the respiratory tract and mucous membranes.

Section 12: Ecological Information

Ecotoxicity: Not available.
BOD5 and COD: Not available.
Products of Biodegradation: Not Available
Toxicity of the Products of Biodegradation: Not available**.**
Special Remarks on the Products of Biodegradation: Not available

Section 13: Disposal Considerations

Waste disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: Petroleum distillate, n.o.s. (Ligroin) UNNA: UN1268 PG: II

Special Provisions for Transport: Not available

Section 15: Other Regulatory Information

Other regulatory information not available

Section 16: Other Information

References: Not available
Other Special Considerations: Not available
Created: 03/02/2015

The information above is believed to be accurate and represents the best information currently available to us.

All Pyrotechnics should be used and handled with extreme caution, in accordance with all relevant regulations and codes only by experienced professional Pyrotechnicians.