

1. IDENTIFICATION OF THE SUBSTANCE/PREPERATION AND THE COMPANY

Product Name: Fiber Wizard
Company: Theatre Effects
1810 Airport Exchange Blvd
Suite 400
Erlanger, KY 41018
USA

Telephone: 800-791-7646
Telefax: 859-647-0075
E-mail: service@theatrefx.com

Emergency Information: 765-938-3333

Product Use: Fire Retardant for natural fibers

2.COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the Preparation: Proprietary compounds in an aqueous solution

NAME	CAS #	% by WEIGHT	TLV/PEL
Ammonia	7664-41-7	1%	None Established

3. HAZARDS
IDENTIFICATION

Human Health Hazards: Ammonia, 1% by weight, this product may liberate higher concentrations upon heating in the aqueous form.

Environmental Hazards: None

Safety Hazards: None

Special Notes: Toxicity test is available

4. FIRST AID MEASURES

Inhalation: None.

MATERIAL SAFETY DATA SHEET (SDS)

Skin Contact: Wash off with soap and water. In case of persistent skin irritation, consult a physician.

Eye Contact: Rinse thoroughly with plenty of water, also under the eyelids. In case of persistent eye irritation consult a physician.

Ingestion: None.

Advice to Physician: Treat symptoms.

REVISION DATE: 1/15/13

5. FIRE-FIGHTING MEASURES

NFPA 704 Hazard Class: Health: 1 Flammability: 0 Instability: 0

Unsuitable Extinguishing Media: None (Fire Retardant).

Extinguishing Media: None (Fire Retardant).

Specific Hazards: None (Fire Retardant).

Special Protective Equipment for Firefighters: None (Fire Retardant).

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: No special precautions required

Environmental Precautions: As with all chemical products, consult State, and Federal regulations or local codes before disposing of any chemical compound.

Methods for Cleaning Up: Dike with absorbents and or bonding agents to prevent spread. Keep in suitable, closed containers for disposal as required by local, State, Federal, International or country specific regulations.

7. HANDLING AND STORAGE

Safe Handling Advice: Keep isolated from extreme heat while in sealed containers.

Storage: Keep in a dry, cool place, Avoid storage under pressure or at elevated temperatures.

DO NOT ALLOW TO FREEZE

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures: Use local exhaust ventilation.

MATERIAL SAFETY DATA SHEET (SDS)

Personal Protective Equipment:

Respiratory Protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hand Protection: Vinyl or rubber gloves are recommended.

Eye Protection: Safety glasses with side shields, or mono goggles.

Skin and Body Protection: No special protective clothing required.

SPECIAL PRECAUTIONS: Personnel susceptible to allergenic reactions or known chemical sensitivities should consult their supervisor for a review of these conditions prior to exposure to this material to determine any potential susceptibility or abnormal reactions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid

Color: Clear / Amber

Odor: Ammonia odor

Flash Point: None

Specific Gravity (H²O=1): 1.056

PH: 7.1-7.7 (typical)

Boiling Point: 212° F (100° C)

Flash Point: Does not flash

Vapor Pressure: (100°C) 760mm Hg (approx.)

Percent Volatile by vol. (%): Less than 90%

MATERIAL SAFETY DATA SHEET (SDS)

Auto Ignition Temperature: Does not ignite.

Bulk Density (for solids): Typical 300-400 kg/m³ at 20 Deg. C

Water Solubility: Solubility at 100%

Evaporation Rate: Less than .01

10. STABILITY AND REACTIVITY

Stability: Stable under ambient conditions. Do not allow to freeze.

Materials to Avoid: Strong acids.

Hazardous Decomposition Products: Thermal decomposition may produce Ammonia gases, Carbon dioxide

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Acute: None

Chronic: Slight eye irritant.

Irritation

Skin: Not expected to be irritating. But if need, wash with soap and water - avoid open cuts and abrasions when handling this liquid.

Inhalation: Remove from proximity of chemical and to fresh air.

Eyes: Flush with large volume of water to dilute irritant: eye injuries should be attended by medical personnel.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity

Toxicity to Fish: Expected to be non toxic. 96-HR LC50>700mg/l

Laboratory: Northview Pacific Labs

Test Report: #X5J56G

Results: Passed EPA Guidelines, FIFRA Guidelines, Pesticide Assessment Guidelines
Section F

Hazard Evaluation: Human and Domestic Animals, 40 CFR: Part 158, October 1982

Aquatic Toxicity Test: Passed LC50 with > 700 MG/L rating (Bio-Monitoring Labs)

MATERIAL SAFETY DATA SHEET (SDS)

13. DISPOSAL CONSIDERATIONS

Waste from Residues / Unused Products: In accordance with Federal, State, local and national regulations.

Contaminated Packaging: Can be land filled or incinerated, when in compliance with local Regulations.

14. TRANSPORT INFORMATION

Not classified as hazardous in the meaning of transport regulations. **DOT, IMDG/IMO, ICAO/IATA, UN, IMO, ADR/RID, ICAO CODE**

Harmonized Tariff System (HTS): 3832.90

15. REGULATORY INFORMATION

SARA TITLE III

SECTION X - SECTION 313 SUPPLIER NOTIFICATION

THIS PRODUCT CONTAINS THE FOLLOWING 313 CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT AND OF 40 CFR 372: SARA III (SECTION 312 -313)

<u>CAS#</u>	<u>CHEMICAL NAME</u>	<u>PERCENT BY WEIGHT</u>
7664-41-7	Ammonia	1%

(NOTE: Deminimis conc. for mixtures may require reporting this compound)

MATERIAL SAFETY DATA SHEET (SDS)

The manufacturer assumes no liability for incidental, consequential or direct damage of any manner or kind, regardless of cause, including negligence.

On February 27, 1988, the first phase of Proposition 65 regulations involving warnings of the presence of certain listed chemicals went into effect.

The manufacturer believes that the law requires us to inform you that detectable amounts of any of the listed chemicals might be present in the manufacturer's products. Based on a review of the list, the manufacturer's products, like all synthetic and naturally occurring chemical substances, may conceivably contain trace contaminants of some of the listed substances. While not necessarily added to the manufacturer's products as ingredients, some listed chemicals may be present in the raw materials and received from suppliers and over which we have no control.

Therefore, even though some of the listed substances may not represent a significant risk as defined by the regulations, in order to comply with the California law, we feel obligated to make the following statement:

"WARNING": This product(s) may contain trace amounts of some chemicals considered by the State of California to be carcinogens or reproductive toxicants.

16. OTHER INFORMATION:

This information contained herein is based on the data available to us and is believed to be correct. However, the manufacturer makes no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof, and assumes no responsibility for injury from the use of the product described herein. The manufacturer assumes no liability for incidental, consequential or direct damage of any manner or kind, regardless of cause, including negligence.