



Material Safety Data Sheet  
May be used to comply with  
OSHA's Hazard Communication Standard.  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

**U.S. Department of Labor**  
Occupation Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

**MEMSTOR**

**Powder Membrane Preservative**

Note: Blank spaces are not permitted. If any item is not applicable or no  
information is available, the space must be marked to indicate that.

**Section I**

Manufacturer's Name

King Lee Technologies

Emergency Telephone Number

1-800-424-9300 (Chemtrec)

Emergency Telephone Number International

001-703-527-3887 (Chemtrec)

Address (Number, Street, City, State and ZIP Code)

8949 Kenamar Drive Bldg. 107  
San Diego, California 92121

Telephone Number for Information

(858) 693-4062

Date Prepared

November 1, 2014

Signature of Preparer (Optional)

**Section II - Hazardous Ingredients/Identity Information**

Other Limits

Hazardous Components (Specific Chemical Identity: Common Name(s)) OSHA PEL ACGIH TLV Recommended % (optional)

This product is a proprietary formulation of generally available chemical ingredients.

Complying with 29 CFR 1910.1200 (d), each ingredient in this formulation has been reviewed with the "Guide to Occupational Exposure Values - 2012" published by ACGIH. Only the following ingredients have listed occupational exposure values, and can be considered potentially hazardous:

Boric Acid (CAS No. 10043-35-3): ACGIH-TLV: TWA21 mg/m<sup>3</sup>; STEL/C 61 mg/m<sup>3</sup>

**Section III - Physical/Chemical Characteristics** Powder (NA= Not Applicable)

Boiling Point	NA	Specific Gravity (H <sub>2</sub> O=1)	1.45
Vapor Pressure (mm Hg.)	NA	Melting Point	>150°C
Vapor Density (AIR= 1)	NA	Evaporation Rate (Butyl Acetate= 1)	NA

Solubility in Water

Completely Soluble.

Appearance and Odor

Colorless, odorless powder.

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used)	(Flammable Limits)	LEL	LEL
Not Flammable	Not Flammable	NA	NA

Extinguishing Media

No Restrictions

Special Fire Fighting Procedures

No special procedure is required.

## Unusual Fire and Explosion Hazards

None known.

**Section V - Reactivity Data**

Stability	Unstable		Conditions to Avoid
			Not known.
	Stable	X	

Incompatibility (*Materials to Avoid*)

Acidic mixture, incompatible with alkaline materials.

## Hazardous Decomposition or Byproducts

No known hazardous byproducts.

Hazardous	May Occur		Conditions to Avoid
Polymerization			NA
	Will Not Occur	X	

**Section VI - Health Hazard Data**

Route(s) of Entry: Inhalation? Skin? Ingestion?

Health Hazards (*Acute and Chronic*) Eye Contact: May cause burns. Skin contact: Prolonged contact may cause mild irritation. Ingestion: LD50 (Rats)=about 4,000 mg/kg Inhalation: May cause irritation of airways.

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?  
 NO NO NO

## Signs and Symptoms of Exposure

Irritation and burning of eyes, skin, digestive or respiratory tract.

## Medical Conditions

Generally Aggravated by Exposure Asthma, exposed wounds.

## Emergency and First Aid Procedures

Eyes and skin - flush eyes with excess water for 15 min. Wash from skin with soap and water. Inhaled - Remove subject to fresh air. Ingestion - rinse mouth and throat. Drink water or milk. In all cases, call or see a physician.

**Section VII - Precautions for Safe Handling and Use**

## Steps to Be Taken in Case Material is Released or Spilled

Sweep up spilled materials. Flush ground or surfaces with water.

## Waste Disposal Method

Follow normal chemical waste disposal procedure either as a powder or dissolved in water and disposed as a liquid.

## Precautions to Be Taken in Handling and Storing

Store in cool location away from sunlight.

## Other Precautions

Avoid dust and contact.

**Section VIII - Control Measures**Respiratory Protection (*Specific Type*)

Use NIOSH approved respirator if conditions warrant.

Ventilation	Local Exhaust	Special
	Use in well-ventilated areas.	Additional ventilation for handling large volumes.
	Mechanical ( <i>General</i> )	Other
	NA	NA

## Protective Gloves

Water impenetrable gloves that can be washed.

## Eye Protection

Chemical safety goggles recommendable.

## Other Protective Clothing or Equipment

Work overalls would prevent contamination of street clothes.

**Work/Hygienic Practices**

Wash gloves and hands before touching anything else.

**Section IX - Transportation Information****DOT Hazardous Classification**

Not considered hazardous by the U.S. Department of Transportation (DOT)

**TDG Canadian Transportation-**

Not considered hazardous under Transportation of Dangerous Goods (TDG)

**International Transportation**

Product has no UN number, and is not regulated under international rail, road, water or air transport regulations.

**Section X - First Aid Measures**

See Section VI

**Section XI - Fire-Fighting Measures**

See reactivity and hazardous decomposition by-products in Section V, and control measures in section VIII.

**Section XII - Handling and Storage and Disposal**

See Section VII

**Section XIII - Toxicology Information**

Poses no acute toxicological properties that would require special handling, other than good hygienic practices.

See also section VI - Health Hazard Data.

**Section XIV - Ecological Information**

This powder cleaner is water soluble to give a mildly acidic solution.

It contains no toxic ingredients.

**Section XV - Regulatory Information**

HMIS: Health=1 Fire=0 Reactivity=0 P=None

**Section XVI - Other Information**

This MSDS contains all information in accordance with the US and ECC regulations.