

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)

KL 1000

Powder Membrane Cleaner

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 1 - Identification

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

July 1, 2015

Signature of Preparer (Optional)

Section 2 - Hazard(s) identification


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:

NONE OF THE INGREDIENTS ARE LISTED AS HAZARDOUS

Label elements	Signal Word	Hazard(s) not otherwise classified (HNOC)	Supplemental Information	Hazardous Statement
	Warning	None Known.	None.	Causes skin irritation. Causes serious eye damage.

Section 3 - Composition/information on ingredients

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:

NONE OF THE INGREDIENTS ARE LISTED AS HAZARDOUS

Section 4, First-aid measures

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: May cause gastrointestinal irritation. 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 5 - Fire-fighting measures

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

Extinguishing Media

No Restrictions

Special Fire Fighting Procedures

Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

Unusual Fire and Explosion Hazards

None known.

Section 6 - Accidental release measures

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.

Section 7 - Handling and Storage

Precautions to Be Taken in Handling and Storing

Store in cool location away from sunlight.

Other Precautions

Avoid dust and contact. Wear protective equipment if possible.

Respiratory Protection (*Specific Type*)

Use NIOSH approved respirator if conditions warrant.

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

Section 8 - Exposure controls/personal protection

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 9 - Physical and chemical properties

Boiling Point	NA	Specific Gravity (H ₂ O=1)	NA
Vapor Pressure (mm Hg.)	NA	Melting Point	>200 ^o C
Vapor Density (AIR= 1)	NA	Evaporation Rate (Butyl Acetate= 1)	NA

Solubility in Water

Completely Soluble.

Appearance and Odor

Colorless to slightly tan powder with slight odor.

Section 10 - Stability and reactivity

Stability	Unstable		Conditions to Avoid
			Avoid heat and direct sun.
	Stable	X	

Incompatibility (Materials to Avoid)

Acidic mixture, incompatible with alkaline materials.

Hazardous Decomposition or Byproducts

No known hazardous byproducts.

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

Section 11 - Toxicological information

Oral LD₅₀ (Rats): >10,500 mg/kg

Section 12 - Ecological Information

This powder cleaner is water soluble to give a mildly acidic solution. In natural waters and soil, it will be neutralized by natural pH buffer. It contains no toxic ingredients.

Section 13 - Disposal considerations

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

Section 14 - Transportation information

DOT Hazardous Classification

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

TDG Canadian Transportation-

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

International Transportation

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

Section 15 - Regulatory Information

HMIS: Health=2 Fire=0 Reactivity=0 P=None

Section 16 - Other Information

This SDS is provided as an information resource only. The buyer assumes all responsibility for using and handling the product. In accordance with applicable federal, state and local regulations.