

**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)

**MICROTREAT BIO™**  
**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	Emergency Telephone Number	Emergency Telephone Number International
King Lee Technologies	1-800-424-9300 (Chemtrec)	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 January 1, 2017	
	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. None of the ingredients have listed occupational exposure values, and can be considered generally safe if handles with care.

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)

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**Section 4 - First-aid measures**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
Health Hazards (Acute and Chronic)	Eye Contact: May cause mild irritation. Skin contact: Prolonged contact may cause mild irritation. Ingestion: No harmful effects reported. 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

Exposed wounds.

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Emergency and First Aid Procedures

Eyes and skin - flush eyes with excess water. 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	UEL NA
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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  
Stop spill/release if possible with minimal risk. Dike far ahead of spill for later recovery or disposal. Notify appropriate agencies. Immediate clean up recommended.

Waste Disposal Method  
Spilled materials may be recovered absorbed into an appropriate absorbent material and swept up for disposal by licensed incinerator. Residual spill can be flushed with water.

**Section 7 - Handling and Storage**

Precautions to Be Taken in Handling and Storing  
Store in cool location away from sunlight.

Other Precautions  
Avoid contact. Wear protective equipment if possible.

Respiratory Protection (*Specific Type*)  
Use NIOSH approved respirator if conditions warrant.

Ventilation	Local Exhaust Use in well-ventilated area.	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.
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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 >100 <sup>0</sup> C	Specific Gravity (H <sub>2</sub> O=1) 1.04
Vapor Pressure (mm Hg.) NA	Melting Point Approx. 0 <sup>0</sup> C
Vapor Density (AIR= 1) NA	Evaporation Rate (Butyl Acetate= 1) NA

Solubility in Water  
Completely Soluble.

Appearance and Odor  
Colorless to yellow with odor of ammines.

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**Section 10 - Stability and reactivity**

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

*Incompatibility (Materials to Avoid)*

Avoid contact with oxidizing and reducing agents and acids.

*Hazardous Decomposition or Byproducts*

If involved in a fire, oxides of carbon and nitrogen and ammonia and formaldehyde gas may be generated.

Hazardous Polymerization	May Occur		Conditions to Avoid
			Not known.
	Will Not Occur	X	

**Section 11 - Toxicological information**

Poses no acute toxicological properties that would require special handling, other than good hygienic practices. See above for health hazards.

**Section 12 - Ecological Information**

This cleaner is used as 1% solution in water, and discharged into sanitary sewer. There is no reported ecological damage.

**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.