

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)		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.	
MICROTREAT BIO			
Section I			
Manufacturer's Name		Emergency Telephone Number	
King Lee Technologies		1-800-424-9300 (Chemtrec)	
Address (Number, Street, City, State and ZIP Code)		Telephone Number for Information	
8949 Kenamar Drive Bldg. 107		(858) 693-4062	
San Diego, CA 92121		Date Prepared	
		September 1, 2011	
		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 - 2005" published by ACGIH. Only the following ingredients have listed occupational exposure values, and can be considered potentially hazardous:

None listed as potentially hazardous.

Section III - Physical/Chemical Characteristics

Liquid (NA= Not Applicable)

Boiling Point	>100 ⁰ C	Specific Gravity (H ₂ O=1)	1.04
Vapor Pressure (mm Hg.)	NA	Melting Point	NA (H ₂ O Solution)
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 amines.

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

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

Unusual Fire and Explosion Hazards

None known.

Section V - Reactivity Data

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

Incompatibility (*Materials to Avoid*)

Avoid contact with strong oxidizing agents and acids.

Hazardous Decomposition or Byproducts

Nitrous oxides, ammoniacal vapors and formaldehyde.

Hazardous Polymerization	May Occur		Conditions to Avoid 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 irritation and chemical burns.

Skin Contact: Prolonged contact may cause mild irritation. Ingestion: If swallowed, consult a physician immediately.

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, nausea, vomiting, and transient disorientation.

Medical Conditions

Generally Aggravated by Exposure Exposed wounds.

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 VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Stop spill/release if possible with minimal risk. Ventilate area. Dike far ahead of spill for later recovery of disposal.

Notify appropriate agencies. Immediate sweep up recommended.

Waste Disposal Method

Spilled material may be absorbed into an appropriate absorbent material and swept up.

Residual spill can be flushed with water.

Precautions to Be Taken in Handling and Storing

Store in cool location away from sunlight.

Other Precautions

Avoid contact. Wear protective equipment if possible.

Section VIII - Control MeasuresRespiratory Protection (*Specific Type*)

Use NIOSH or MSHA approved respirator for organic vapors.

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

Protective Gloves Water impenetrable gloves that can be washed	Eye Protection Chemical safety goggles recommendable
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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 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 -

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