

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

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

**IDENTITY (As Used on Label and List)**

CALIBRATION STANDARDS KIT

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 MICROBIAL ID, INC. (MIDI)	Emergency Telephone Number USA-800/424-9300. Non-USA-703/527-3887 Collec
Address (Number, Street, City, State, and ZIP Code) 125 SANDY DRIVE	Telephone Number for Information (302) 737-4297
NEWARK, DE 19713 U.S.A.	Date Prepared April 1, 1997 Reviewed: January 16, 2009
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
n-Hexane, normal hexane, hexyl hydride				
Chemical family: aliphatic hydrocarbon		C6H14		
UN 1208		CAS-NUMBER 110-54-3		
NON-HAZARDOUS AMOUNTS OF FATTY ACID METHYL ESTERS				
EXPOSURE LIMITS				
OSHA-PEL: (TWA)500 ppm (1800 mg/m ³)				
ACGIH-TLV: (TWA)50 ppm (176 mg/m ³)				
NIOSH IDLH: 1100 ppm				
NFPA RATINGS (SCALE 0-4) HEALTH:1 FLAMMABILITY:3 REACTIVITY:0				

Section III — Physical/Chemical Characteristics

Boiling Point	65 C	Specific Gravity (H ₂ O = 1)	0.66
Vapor Pressure (mm Hg.)	124@ 20 C	Melting Point	-95 C
Vapor Density (AIR = 1)	3.0	Evaporation Rate (Butyl Acetate = 1)	9.0
Solubility in Water	SLIGHTLY SOLUBLE (0.0013g/ 100ml at 20 C)		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH MILD GASOLINE-LIKE ODOR ODOR THRESHOLD: 65-130 ppm		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) -22 DEG C (TAG CLOSED CUP)	Flammable Limits AUTOIGNITION TEMP 225 C	LEL 1.1%	UEL 7.5%
Extinguishing Media STANDARD FOAM, DRY CHEMICAL, CARBON DIOXIDE			
Special Fire Fighting Procedures USE SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE.			

Unusual Fire and Explosion Hazards VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE
GROUND AND BE IGNITED AT LOCATIONS DISTANT FROM THE SOURCE.

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid NONE
	Stable	X	

Incompatibility (Materials to Avoid)

AVOID STRONG OXIDIZING AGENTS - MAY REACT VIGOROUSLY

Hazardous Decomposition or Byproducts

THERMAL DECOMPOSITION MAY RELEASE TOXIC AND/OR HAZARDOUS GASES (CO and CO₂)

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation? VAPOR	Skin? LIQUID	Ingestion? LIQUID
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Health Hazards (Acute and Chronic)

ACUTE: EYE, MUCOUS MEMBRANE AND SKIN IRRITATION

CHRONIC: CONJUNCTIVITIS, POLYNEUROPATHY, DERMATITIS

Carcinogenicity: NONE	NTP?	IARC Monographs?	OSHA Regulated?
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Signs and Symptoms of Exposure

OVEREXPOSURE: DIZZINESS, NAUSEA, EXHILIRATION, MUSCULAR INCOORDINATION, STUPOR, AND UNCONSCIOUSNESS

Medical Conditions

Generally Aggravated by Exposure

PRE-EXISTING SKIN, LIVER, KIDNEY, AND RESPIRATORY DISEASE

Emergency and First Aid Procedures

WASH SKIN WITH SOAP AND WATER. FLUSH EYES WITH WATER (15 MINUTES). FOR INHALATION PROVIDE FRESH AIR AND REST.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

EXTINGUISH IGNITION SOURCES; ABSORB SPILL AND PLACE IN FLAMMABLE WASTE CONTAINER; RINSE AREA WELL

Waste Disposal Method

DESTROY BY LIQUID INCINERATION. CONTAMINATED ABSORBENT MAY BE LANDFILLED.

Precautions to Be Taken in Handling and Storing

TO BE STORED IN COOL AREA AWAY FROM STRONG OXIDIZERS AND IGNITION SOURCES

Other Precautions

THE INFORMATION OFFERED HEREIN IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE HANDLING BY A PROPERLY TRAINED PERSON USING THIS PRODUCT. NO WARRANTY IS EXPRESSED OR IMPLIED.

Section VIII — Control Measures

Respiratory Protection (Specify Type)

ORGANIC VAPOR CANISTER OR SUPPLIED AIR

Ventilation	Local Exhaust PREFERABLE	Special
	Mechanical (General) GOOD MECHANICAL EXHAUST	Other

Protective Gloves

DESIRABLE WHEN HANDLING BULK QUANTITY

Eye Protection

SAFETY GLASSES

Other Protective Clothing or Equipment

EYE WASH

Work/Hygienic Practices

AVOID CONTACT LENSES