

MATERIAL SAFETY DATA SHEET

(Effective Date: 9/15/88)

To comply with OSHA's Hazard Communication
Standard 29 CFR 1910.1200



LIQUID LABORATORY CLEANER

IDENTITY (As Used in Label and List) MICRO®	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.
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Section I

Manufacturer's Name International Products Corporation	Emergency Telephone Number (609) 394-5480
Address (Number, Street, City, State and ZIP Code) New York Ave. & Fuld St.	Telephone Number for Information (609) 394-5480
P.O. Box 118	Date Prepared Sept. 15, 1988
Trenton, NJ 08601	Signature of Preparer (optional) Charles E. Granito, Pres.

Section II—Hazardous Ingredients/Identity Information

No MICRO ingredient present at 1% or more is contained in the SARA Title III 313 list.

For medical reference purposes the following information is provided on MICRO composition

Cations: Sodium, Ammonium (less than 1%), Triethanolammonium

Anions: Ethylenediamine Tetraacetate, Linear Alkyl Aryl Sulfonates

Nonionics: Polyethoxynonylphenol

Note: Since this product contains polyethoxylates, it may contain trace amounts of ethylene oxide (CAS #75-21-8). Ethylene oxide is listed as a potential carcinogen by OSHA, NTP, and IARC. If this product is handled as recommended in this MSDS any trace amounts of ethylene oxide that may be present are not expected to result in acute or chronic hazards. A recent test (results available on request) on MICRO could not detect ethylene oxide (detection limit 0.70 ppm), ethylene chlorohydrin (detection limit 7.0 ppm), or ethylene glycol (detection limit 19.9 ppm).

Section III—Physical/Chemical Characteristics

Boiling Point	215°F	Specific Gravity (H ₂ O = 1)	1.14
Vapor Pressure (mm Hg.)	NA	Melting Point	NA
Vapor Density (AIR = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA
Solubility in Water Complete	Viscosity		8.2 cp
	pH		9.7

Appearance and Odor

Light Yellow Liquid, Slight Ammonia Odor

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used) None—does not burn	Flammable Limits NA	LEL NA	UEL NA
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Extinguishing Media
None—does not burn

Special Fire Fighting Procedure
None

Unusual Fire and Explosion Hazards
None

NA = Not applicable

Based on OSHA 174, Sept., 1985

Section V—Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	None

Incompatibility (Materials to Avoid)

May etch zinc and aluminum

Hazardous Decomposition or Byproducts

Not known

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

Section VI—Health Hazard Data

Note: All test results were obtained on undiluted product.

Recommended concentration of Micro for most applications is 2% by volume.

Copies of test results available on request.

Health Hazards (Acute and Chronic)

Eye Irritant—caused transient irritation effects in 4 of 6 rabbits. Did not affect cornea.

Skin—moderate irritant (PPI = 3.88, rabbits). No evidence of corrosivity.

Prolonged use may cause drying/chapping.

Inhalation—prolonged exposure may cause slight nose and throat irritation.

Swallowing—very large amounts could cause cramps and muscle

spasms. LD₅₀ greater than 5g/kg (rats, oral)

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
Not listed	Not listed	Not listed	Not listed

Signs and Symptoms of Exposure

Redness of eyes and/or skin

Medical Conditions Generally Aggravated by Exposure

Not known

Emergency and First Aid Procedures

Eyes—wash out with water for 15 minutes—call physician

Skin—wash with soap and water; remove contaminated clothing and wash before reuse

Inhalation—remove to fresh air

Swallowing—give 2 glasses of water, call physician, do not induce vomiting. Never give

anything by mouth to an unconscious person.

Note to physician: There is no specific antidote. Consider calcium gluconate IV for systemic reaction.

Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

Ingestion of very large quantity could cause hypocalcemic tetany.

Section VII—Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Large spill—collect liquid with absorbent material and package for disposal according to local, state, and federal regulations.

Small spills—flush with water.

Waste Disposal Method

Normal sewage disposal—consult with appropriate authorities; biodegradable, pH = 9.7

Precautions to be taken in Handling and Storing

Do not store in contact with aluminum, zinc, copper, or their alloys

Other Precautions

Avoid eye contact

Section VIII—Control Measures

Respiratory Protection (Specify Type)

Not normally needed

Ventilation	Local Exhaust General industrial requirements	Special NA
	Mechanical (General) NA	Other NA

Protective Gloves

Waterproof gloves

Eye Protection

Protective glasses or goggles.
As a general rule do not wear contact lenses when handling chemicals

Other Protective Clothing or Equipment

Safety eye bath should be available

Work/Hygienic Practices

Wash with soap and water after use

While International Products Corporation believes the data set forth are accurate as of the date hereof it makes no warranty with respect thereto and expressly disclaims all liability for relevance thereof. It is the user's obligation to determine the conditions of safe use of the product.