

MATERIAL SAFETY DATA SHEET

Flourish Excel

Section I: MANUFACTURER'S NAME, ADDRESS, AND CONTACT INFORMATION

Seachem Laboratories, Inc.
1000 Seachem Drive
Madison, GA 30650

Emergency Telephone Number: 706-343-6060
Telephone Number for Information: 706-343-6060
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SECTION II: CHEMICAL INGREDIENTS/IDENTITY INFORMATION

Components (Chemical Identity; Common Names(s))	OSHA PEL	ACGIH TLV	Other Limits
Aqueous solution of polycycloglutaracetal	ND	ND	NA

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100° C	Specific Gravity (H ₂ O = 1)	1.00
Vapor Pressure (mm Hg)	23.8@25° C	Melting Point	NA
Vapor Density (AIR = 1)	<1 H ₂ O	Evaporation Rate (Butyl Acetate = 1)	0.3
Solubility in Water	Soluble	Appearance and Odor	Clear, slightly blue liquid, faint sweet odor

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	NA
Flammable Limits	NA
LEL	NA
UEL	NA
Extinguishing Media	NA
Special Fire Fighting Procedures	NA
Unusual Fire and Explosion Hazards	NA

SECTION V: REACTIVITY DATA

Stability	Stable under normal conditions of use
Conditions to Avoid	None
Incompatibility (Materials to Avoid)	None
Hazardous Decomposition or Byproducts	Carbon monoxide or carbon dioxide
Hazardous Polymerization	Will Not Occur
Polymerization Conditions to Avoid	Temperatures above 100° C

SECTION VI: HEALTH HAZARD DATA

Route(s) of Entry: Inhalation, Skin, Eyes, Ingestion
Health Hazards (Acute): Inhalation-Irritation to respiratory tract; Skin-Itching, pain; Eyes-Conjunctivitis; Ingestion-Moderately toxic
Carcinogenicity: NA
Signs and Symptoms of Exposure: Inhalation-Stinging sensation in nose or throat, possible bleeding from the nose, coughing, difficulty with breathing; Skin-Itching, redness, swelling, pain; Eyes-Redness, swelling, discharge; Ingestion-Irritation of digestive tract, pain, nausea, vomiting
Medical Conditions Generally Aggravated by Exposure: Dermatitis, asthma, inflammatory or fibrotic pulmonary disease
Emergency and First Aid Procedures: Inhalation-Remove to fresh air; Skin-Remove contaminated clothing, wash with soap and water; Eyes-Flush with water for at least 15 minutes and seek medical attention; Ingestion-DO NOT INDUCE VOMITING, do not give water to drink, seek medical help immediately. NOTE TO PHYSICIAN-Due to the moderately irritating or corrosive nature of the material, and the potential for lung injury from material aspirated during vomiting, the stomach should be evacuated carefully, with a method least likely to cause aspiration (e.g., gastric lavage after endotracheal intubation.)

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled: Dilute with large quantities of water and flush to drain.
Waste Disposal Method: Consistent with local, state, and Federal regulations.
Precautions to Be Taken in Handling and Storing: Store tightly sealed.
Other Precautions: Avoid eye contact

SECTION VIII: CONTROL MEASURES

Respiratory Protection	NA
Ventilation	Local Exhaust, Mechanical Ventilation
Protective Gloves	Recommended
Eye Protection	Required
Other Protective Clothing or Equipment	NA
Work/Hygienic Practices	Good house keeping practices

ABBREVIATIONS

ACGIH: The American Conference of Governmental Industrial Hygienists, Inc.

IARC: The International Agency for Research on Cancer

LEL: Lower Explosive Limit (or Lower Flammable Limit)

NA: Not Applicable

ND: Not Determined

NTP: The National Toxicology Program

OSHA: The Occupational Health and Safety Administration

PEL: Permissible Exposure Limit

TLV: Threshold Limit Value

TWA: Time Weighted Average

UEL: Upper Explosive Limit (or Upper Flammable Limit)