

MATERIAL SAFETY DATA SHEET

Discus Buffer

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
Proprietary blend of phosphate buffers and conditioning agents	15 mg/m ³ total dust, 8 hour TWA	10 mg/m ³ inhalable dust, 8 hour TWA	NA
	5 mg/m ³ respirable dust, 8 hour TWA	3 mg/m ³ respirable dust, 8 hour TWA	

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	204 ^o C	Specific Gravity (H ₂ O = 1)	2.04
Vapor Pressure (mm Hg)	NA	Melting Point	100 ^o C
Vapor Density (AIR = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA
Solubility in Water	92.3 g/100 ml (25 ^o C)	Appearance and Odor	white granular powder

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	Incompatibilities
Incompatibility (Materials to Avoid)	Acids, metals (will cause corrosion)
Hazardous Decomposition or Byproducts	May evolve chlorine gas when in contact with strong acids.
Hazardous Polymerization	Will Not Occur

Polymerization Conditions to Avoid	None
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SECTION VI: HEALTH HAZARD DATA

Route(s) of Entry: Ingestion, skin, eyes, inhalation
Health Hazards (Acute): Irritation of the eyes, skin, and respiratory tract. Ingestion of large doses may cause gastrointestinal distress and vomiting.
Carcinogenicity: NA
Signs and Symptoms of Exposure: ingestion-nausea, vomiting; skin, eyes-reddening and irritation; inhalation-coughing
Medical Conditions Generally Aggravated by Exposure: ND
Emergency and First Aid Procedures: Ingestion-Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice. Skin, eyes-Flush with water. Inhalation-Remove to fresh air.

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled: Dilute with water and flush to drain.
Waste Disposal Method: No special disposal method required, except that it be in accordance with current local authority regulations.
Precautions to Be Taken in Handling and Storing: Store dry until ready to use.
Other Precautions: All materials should be handled under good housekeeping practices.

SECTION VIII: CONTROL MEASURES

Respiratory Protection	Recommended
Ventilation	Not required
Protective Gloves	Recommended
Eye Protection	Recommended
Other Protective Clothing or Equipment	None
Work/Hygienic Practices	Good housekeeping 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)

