

MATERIAL SAFETY DATA SHEET

Matrix Carbon

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
Date Prepared: 29 June 2006

SECTION II: CHEMICAL INGREDIENTS/IDENTITY INFORMATION

Components (Chemical Identity; Common Names (s))	OSHA PEL	ACGIH TLV	Other Limits
Activated carbon	NA	NA	
		2.2 mg/m ³ time weighted average for respirable dust	

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	Sublimes	Specific Gravity (H ₂ O = 1)	0.48-0.52
Vapor Pressure (mm Hg)	1 mm Hg @ 3586 °C	Melting Point	3550 °C (6422 °F)
Vapor Density (AIR = 1)	0.4	Evaporation Rate (Butyl Acetate = 1)	NA
Solubility in Water	Not soluble	Appearance and Odor	Black solid pellet, no odor

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	NA
Flammable Limits	NA
LEL	0.140 g/l (fine dust)
UEL	NA
Extinguishing Media	Water spray, dry chemical, alcohol foam, carbon dioxide
Special Fire Fighting Procedures	Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece, operated in the pressure demand or other positive pressure mode.
Unusual Fire and Explosion Hazards	If allowed to smolder in enclosed container, may reach the LEL for carbon monoxide of 12.5%

SECTION V: REACTIVITY DATA

Stability	Stable under normal conditions of use
Conditions to Avoid	Incompatibilities
Incompatibility (Materials to Avoid)	Strong oxidizers such as ozone, chlorine, etc. and strong acids
Hazardous Decomposition or Byproducts	Carbon monoxide and carbon dioxide, when burned
Hazardous Polymerization	Will Not Occur
Polymerization Conditions to Avoid	NA

SECTION VI: HEALTH HAZARD DATA

Route(s) of Entry: Inhalation, Ingestion
Health Hazards (Acute): Carbon dust may irritate the respiratory system and produce eye irritation.
Health Hazards (Chronic): Prolonged inhalation of excessive dust may produce pulmonary disorders.
Carcinogenicity: NA
Signs and Symptoms of Exposure: Irritation of respiratory tract
Medical Conditions Generally Aggravated by Exposure: NA
Emergency and First Aid Procedures: Inhalation – remove to fresh air; ingestion – give water to dilute; eye contact – wash thoroughly with running water.

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled: Remove sources of ignition, ventilate area. Clean up spills in a manner that does not generate dust in the air.
Waste Disposal Method: Dispose in accordance with current local authority regulations.
Precautions to Be Taken in Handling and Storing: Store so as to avoid dispersal of dust.
Other Precautions: In confined spaces, oxygen may be depleted by wet activated carbon.

SECTION VIII: CONTROL MEASURES

Respiratory Protection	NIOSH-approved half-face dust/mist respirator.
Ventilation	Local Exhaust
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.

LEL: Lower Explosive Limit (or Lower Flammable Limit)

NA: Not Applicable

NTP: The National Toxicology Program

OSHA: The Occupational Health and Safety Administration

PEL: Permissible Exposure Limit

TLV: Threshold Limit Value

UEL: Upper Explosive Limit (or Upper Flammable Limit)

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