

MATERIAL SAFETY DATA SHEET

Reef Pack Fundamentals

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: 11 July 2006

Reef Pack Fundamentals contains Reef Complete, Reef Carbonate, and Reef Plus. The MSDS for these three products are attached.

MATERIAL SAFETY DATA SHEET

Reef Complete

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: 28 April 2006

SECTION II: CHEMICAL INGREDIENTS/IDENTITY INFORMATION

Components (Chemical Identity; Common Names (s))	OSHA PEL	ACGIH TLV	Other Limits
Proprietary aqueous solution of calcium chloride, magnesium chloride, and strontium chloride, and colorant.	NA	NA	NA

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	102° C	Specific Gravity (H ₂ O = 1)	1.25
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	Hazy blue liquid, no 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	None
Hazardous Polymerization	Will Not Occur
Polymerization Conditions to Avoid	None

SECTION VI: HEALTH HAZARD DATA

Route(s) of Entry: Ingestion
Health Hazards (Acute and Chronic): Large oral doses may cause irritation to the gastrointestinal tract.
Carcinogenicity: NA
Signs and Symptoms of Exposure: NA
Medical Conditions Generally Aggravated by Exposure: No information found.
Emergency and First Aid Procedures: Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

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: Do not introduce to drinking water or foodstuffs. Wash hands after use, wear gloves if exposure is prolonged.
Other Precautions: All materials should be handled under good housekeeping practices.

SECTION VIII: CONTROL MEASURES

Respiratory Protection	Not required
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
 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)

MATERIAL SAFETY DATA SHEET

Reef Carbonate

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

Seachem Laboratories, Inc. Emergency Telephone Number: 706-343-6060
 1000 Seachem Drive Telephone Number for Information: 706-343-6060
 Madison, GA 30650 Date Prepared: 11 July 2006

SECTION II: CHEMICAL INGREDIENTS/IDENTITY INFORMATION

Components (Chemical Identity; Common Names (s))	OSHA PEL	ACGIH TLV	Other Limits
Proprietary aqueous solution of carbonate and bicarbonate salts.	ND	ND	NA

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	101 ^o C	Specific Gravity (H ₂ O = 1)	1.08
Vapor Pressure (mm Hg)	23.8@25 ^o 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 odorless liquid

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
Hazardous Decomposition or Byproducts	None
Hazardous Polymerization	Will Not Occur
Polymerization Conditions to Avoid	None

SECTION VI: HEALTH HAZARD DATA

Route(s) of Entry: Ingestion, skin, eyes
Health Hazards (Acute): Large oral doses may cause irritation to the gastrointestinal tract, and alkalosis. Skin and eye irritation are possible.
Carcinogenicity: NA
Signs and Symptoms of Exposure: ingestion-nausea, abdominal pain; skin, eyes-reddening and irritation.
Medical Conditions Generally Aggravated by Exposure: NA
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.

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	Not required
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

UEL: Upper Explosive Limit (or Upper Flammable Limit)

MATERIAL SAFETY DATA SHEET

Reef Plus

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: 11 July 2006

Reef Plus is classified as a food; therefore it is exempt under CFR 1910.1200 (b) (5) (iii). No material safety data sheet is required for this product.

PAGE

PAGE 1