

MATERIAL SAFETY DATA SHEET

REEF INDUSTRIES, INC.

HMIS CODES:

HEALTH:	0
FLAMMABILITY:	1
REACTIVITY:	0

PAGE: 1 of 3
DATE PREPARED: 5/21/07

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **GRIFFOLYN AT 175, AT 195**
GENERAL OR GENERIC ID: Flexible Poly Vinyl Chloride and Polyester filaments
CHEMICAL FAMILY: PVC (Vinyl) and Polyester

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(713) 507-4200 (8:00 - 5:00 Central Time)

SECTION 2 HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

This product is an article as defined by 29 CFR 1910.1200

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point:	NA	Specific Gravity (Water = 1):	1.2-1.6
Vapor Pressure (mm Hg.):	NA	Melting Point: °F	NA
Vapor Density (Air = 1):	NA	Evaporation Rate:	NA
Solubility in Water:	Insoluble	Appearance and Odor:	Vinyl film odor, PVC laminate-Polyester fiber reinforced

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used):	600 F	Flammable Limits:	NA	LEL	UEL
				NA	NA

Extinguishing Media:
Water, Dry Chemical, or CO₂

Special Fire Fighting Procedures:

Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material due to generation of HCL.

Formulation contains Antimony Oxide as a Flame Retardant

Unusual Fire and Explosion Hazards:

Fire may produce toxic/corrosive gases and dense smoke.

SECTION 5 REACTIVITY DATA

Stability:	Stable	Incompatibility (Materials to Avoid):	NA
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Hazardous Decomposition or Byproducts:
 HCL, HF, CO, CO₂ Formaldehyde, Benzene and Hydrocarbons when exposed to heat or flames

Hazardous Polymerization: Will not occur

SECTION 6 HEALTH HAZARD DATA

Primary Route(s) of Entry:	Inhalation? No	Absorption? No	Ingestion? No
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Health Hazards (Acute and Chronic):
 This product has no significant toxic hazard. Hazardous fumes are produced by combustion or high temperature decomposition. If exposed to fumes, move to fresh air immediately. If breathing has stopped, restore breathing.

If exposed to fumes:
Skin: Flush skin thoroughly with cool water for at least five minutes.
Eyes: Immediately flush eyes with a directed stream of water for at least 15 minutes, while forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Get medical attention.

Signs and Symptoms of Exposure:
 Inhalation: N/A Absorption: N/A Ingestion: N/A

Medical Conditions Generally Aggravated by Exposure:
 Inhalation: None Absorption: None Ingestion: None

Emergency and First Aid Procedures:
 Inhalation: N/A Absorption: N/A Ingestion: N/A

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: N/A	Waste Disposal Method: In accordance with local, state and federal regulations.
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Precautions to Be Taken in Handling and Storage: N/A

Other Precautions: N/A

SECTION 8 CONTROL MEASURES

Respiratory Protection: None

Ventilation: None

Protective Gloves: N/A	Eye Protection: N/A
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Other Protective Clothing and Equipment: N/A

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DEFINITIONS

SECTION I

PRODUCT IDENTIFICATION

GENERAL OR GENERIC ID: Chemical family or product description.

DOT HAZARD CLASSIFICATION: Product meets DOT criteria for hazards listed.

SECTION II

COMPONENTS

Components are listed in this section if they present a physical and/or health hazard and are present at or above 1% the mixture. If a component is identified as a carcinogen by NTP, IARC or OSHA as of the date on the MSDS, it will be listed and footnoted in this section when present at, or above 0.1% in the product. Negative conclusions concerning carcinogenicity are not reported. Additional health information may be found in Section V. Components subject to the reporting requirements of Section 313 of SARA Title III are identified in the footnotes in this section, along with typical percentages. Other components may be listed if deemed appropriate.

Exposure recommendations are for components. OSHA Permissible Exposure Limits (PELs) and American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs) appear on the line with the component identification. Other recommendations appear as footnotes.

SECTION III

PHYSICAL DATA

BOILING POINT: Of product. The lowest value of the components is listed for mixtures.

VAPOR PRESSURE: Of product. The highest value of the components is listed for mixtures.

SPECIFIC VAPOR DENSITY: AIR=1. If unknown, the Specific Vapor Density will be listed as lighter or heavier than air.

SPECIFIC GRAVITY: WATER=1. If unknown, the Specific Gravity will be listed as less than or greater than water. pH if applicable.

PER CENT VOLATILES: Percentage of material with initial boiling point below 425 degrees Fahrenheit.

EVAPORATION RATE: Indicated as faster or slower than Ethyl Ether, unless otherwise indicated.

SECTION IV

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Method identified.

EXPLOSIVE LIMIT: For product if known. The lowest value of the components is listed for mixtures.

EXTINGUISHING MEDIA: Following National Fire Protection Association criteria.

HAZARDOUS DECOMPOSITION PRODUCTS.: Known or expected hazardous products resulting from heating, burning or other reactions.

FIREFIGHTING PROCEDURES: Minimum equipment to protect firefighters from toxic products of vaporization, combustion or decomposition in fire situations. Other fire fighting hazards may also be indicated.

SPECIAL FIRE AND EXPLOSION HAZARDS: State hazards not covered by other sections.

NFPA CODES: Hazard ratings assigned by the National Fire Protection Association.

SECTION V

HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL (PEL): For product.

THRESHOLD LIMIT VALUE (TLV): For product.

EFFECTS OF ACUTE OVEREXPOSURE: Potential local and systemic effects due to single or shorter overexposure to the eyes, skin or through inhalation or ingestion.

EFFECTS OF CHRONIC OVEREXPOSURE: Potential local and systemic effects due to repeated or long term overexposure to the eyes and skin or through inhalation or ingestion.

SECTION VI

REACTIVITY DATA

HAZARDOUS POLYMERIZATION: Conditions to avoid to prevent hazardous polymerization resulting in a large release of energy.

STABILITY: Conditions to avoid to prevent hazardous or violent decomposition.

INCOMPATIBILITY: Materials and conditions to avoid to prevent hazardous reactions.

SECTION VII

SPILL OR LEAK PROCEDURES

Reasonable precautions to be taken and methods of containment, clean-up and disposal. Consult Federal, State and Local regulations for accepted procedures and reporting notification requirements.

SECTION VIII

PROTECTIVE EQUIPMENT TO BE USED

Protective equipment that may be needed when handling the product.

SECTION IX

SPECIAL PRECAUTIONS - OTHER COMMENTS

Covers any relevant points not previously mentioned.