

MATERIAL SAFETY DATA SHEET
REEF INDUSTRIES, INC.

HMIS CODES:	
HEALTH:	1
FLAMMABILITY:	3
REACTIVITY:	0

GRIFFOLYN VINYL ADHESIVE

PAGE: 1 of 3
PREPARED: 7/21/2006
SUPERSEDES: 7/15/96

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: GRIFFOLYN VINYL ADHESIVE

CHEMICAL FAMILY: Solvent Based Adhesive

CONTACT ADDRESS: Reef Industries, Inc.
9209 Alameda Genoa Road
Houston, Texas 77075

EMERGENCY TELEPHONE NUMBERS: (713) 507-4349 (24 Hours)
(713) 507-4200 (8:00 - 5:00 Central Time)

SECTION 2 HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity; Common name(s)):	OSHA PEL	ACGIH TLV	%
Methyl Ethyl Ketone ** CAS # 78-93-3	200 ppm	200 ppm	52
Acetone CAS # 67-64-1	1000 ppm	750 ppm	18
Toluene ** CAS # 108-88-3	100 ppm	100 ppm	15

(** The above chemicals are subject to the reporting requirements of Section 313 of SARA Title III)

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: Acetone	132 Deg. F	Specific Gravity (Water = 1):	0.87 - 0.88
Vapor Pressure (mm Hg.): @ 68 Deg. F	180 mm	Melting Point:	N/D
Vapor Density (Air = 1):	Heavier	Evaporation Rate: (Butyl Acetate = 1)	Slower
Solubility in Water:	Insoluble	Appearance and Odor:	Clear; Fragrant mint-like odor, sharp

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 6 Deg. F ASTM D-56	Flammable Limits:	LEL 1%	UEL 12%
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Extinguishing Media:
Foam, Dry Chemical, CO2

Special Fire Fighting Procedures:
Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.

Unusual Fire and Explosion Hazards:
Extremely Flammable. Closed container near fire could explode due to pressure buildup.

SECTION 5 REACTIVITY DATA

Stability:	Stable	Incompatibility (Materials to Avoid):	Strong Oxidizing Agents
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Hazardous Decomposition or Byproducts:CO₂ and CO when subjected to flames or excessive heat**Hazardous Polymerization:** Will not occur**SECTION 6 HEALTH HAZARD DATA**

Primary Route(s) of Entry:	Inhalation? Yes	Absorption? Yes	Ingestion? Yes
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Health Hazards (Acute and Chronic):

Inhalation: Overexposure may cause irritation to respiratory system. Extreme overexposure to vapors could result in central nervous system, liver and kidney damage.

Absorption: Prolonged skin contact can cause defatting and possible dermatitis. Eye contact with liquid mildly irritating. Overexposure to vapors may also cause irritation.

Ingestion: May cause gastrointestinal irritation.

Carcinogenicity:	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
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Signs and Symptoms of Exposure:

Inhalation: Dizziness, Headache, Nausea and Light Headedness.

Absorption: Dryness of skin including cracking. Redness, tearing and swelling of eyes.

Ingestion: Nausea, Vomiting and Diarrhea.

Medical Conditions Generally Aggravated by Exposure:

Inhalation: Extreme overexposure of Toluene vapors may cause nervous system damage.

Absorption: Prolonged contact can defat skin and cause dermatitis.

Ingestion: May cause nausea, vomiting and diarrhea. Aspiration into lungs as a result of vomiting may cause lung damage.

Emergency and First Aid Procedures:

Inhalation: Move affected person to fresh air at once. Restore breathing. Call a physician if difficulties persist.

Absorption: Eye contact - Flush immediately with water. Call a physician. Skin contact - Wash area with soap and water.

Ingestion: **DO NOT INDUCE VOMITING!** Call a physician. Give water to affected person. If vomiting occurs, prevent aspiration into lungs.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled:

Extinguish all sources of ignition in area. Collect spilled material and place in a closed container for disposal or salvage.

Waste Disposal Method: Dispose in accordance with all current local, state and federal regulations.

Precautions to Be Taken in Handling and Storage:

Keep away from heat, open flames and sparks. Use and store with adequate ventilation to prevent vapor buildup. Vapors released by product can easily ignite.

Other Precautions:

Avoid contact with skin and eyes. Avoid prolonged breathing of vapors. Keep container closed when not in use. KEEP OUT OF REACH OF CHILDREN.

SECTION 8 CONTROL MEASURES

Respiratory Protection:

If exposure exceeds occupational exposure limits (SECTION 2), use a NIOSH approved respirator to prevent overexposure. Per 29 CFR 1910.134 CCROV or SA types recommended.

Ventilation:

- Local Exhaust:** Should be used to maintain exposure below TLV(s) - SECTION 2.
- Mechanical (General):** Should be used to maintain exposure below TLV(s) - SECTION 2.
- Special:** Explosion proof ventilation maybe required to control vapor concentrations.

Protective Gloves: Impervious Solvent Gloves

Eye Protection: Chemical goggles or safety glasses

Other Protective Clothing and Equipment:

Work apron to avoid contact with personal clothing and skin.

Work / Hygienic Practices:

Keep area clean. Wash hands thoroughly after working with product.

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