

REEF INDUSTRIES INC  
SAFETY DATA SHEET  
GRIFFOLYN VINYL ADHESIVE

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATIONS AND OF THE COMPANY UNDERTAKING

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**Product Name:** Griffolyn Vinyl Adhesive Also known as Vinyl Cement  
**Product Description:** Solvent based adhesive  
**Manufacturer/Supplier:** Reef Industries Inc. 9209 Almeda Genoa Road Houston, TX 77075  
**Phone Number:** (800) 231-6074 (Monday – Friday 8:00 am to 5:00 pm)  
**24 Hr Number:** 713 507-4349  
**Previous Revision Date:** 6 June 2011  
**MSDS Date:** 2 September 2014

Safety Data Sheet according to OSHA's Hazcom Standard (29 CFR 1910.1200)

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## 2. HAZARDS IDENTIFICATION

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### Emergency Overview

#### 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:** Overexposure to vapors may cause irritation.

**Ingestion:** May cause gastrointestinal irritation.

#### Potential Health Effects:

Acute Health Hazards:

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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### Solvent based Adhesive

Component Name	CAS#/Codes	OSHA PEL	ACGIH TLV	Other Limits	%
Methyl Ethyl Ketone**	78-93-3	200 PPM	200 PPM		46
Acetone	67-61-1	750 PPM	750 PPM		21.5
Toluene**	108-88-3	100 ppm	100 ppm	50 ppm skin	19

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

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## 4. FIRST AID MEASURES

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### Eyes

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

### Skin

If material comes in contact with skin, remove immediately. Seek medical attention immediately if adhesive cannot be removed.

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**Ingestion**

If swallowed seek medical attention. May cause gastrointestinal blockage. Obtain medical attention immediately.

**Inhalation**

Remove person to fresh air if fumes are inhaled from burning product. Seek medical attention if symptoms persist.

**Advice to Physicians**

Treat symptomatically.

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**5. FIRE -FIGHTING MEASURES**

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**Flammable limits in Air, UPPER: 12 %**  
**(% By Volume) LOWER: 1 %**

**Flash Point: 6 degrees F (-14 degrees C)**

**Autoignition Temperature: Not Available**

**Extinguishing Media: Foam, carbon dioxide and dry chemical.**

**Unusual Fire and Explosion Hazard: Extremely flammable Closed container near fire could explode due to pressure build up.**

**Hazardous Decomposition Products: Not Applicable.**

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**6. ACCIDENTAL RELEASE MEASURES**

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**ACCIDENTAL RELEASE MEASURES Not Applicable.**

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**7. HANDLING AND STORAGE**

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**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. Use safe handling practices to avoid physical Injury**

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**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 may be required to control vapor concentrations.

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**Ventilation:** Large amounts of fresh air required in work area. Exhaust in work area to maintain exposure below TLV levels.

**Other Protective Clothing and Equipment:** Work apron to avoid contact with personal clothing and skin.

**Eye Protection:** Protective chemical goggles or safety glasses

**Skin Protection:** Impervious solvent resistant gloves

**Exposure Guidelines:** 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Physical State:** Thick clear liquid

**Color:** Clear viscous liquid

**Odor:** Strong solvent smell

**Specific Gravity:** .87 - .88

**Boiling Range/Point (°C/F):** 132 degrees F

**Melting Point (°C/F):** 90-135 °C

**Flash Point (PMCC) (°C/F):** Not known

**Vapor Pressure at 68 Degrees F;** 180 mm

**Vapor Density: (Air=1)** Heavier than air

**Solubility in Water:** Insoluble

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## 10. STABILITY AND REACTIVITY

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**Stability**

Stable under normal conditions.

**Conditions to Avoid**

-Heat -High temperatures

**Materials to Avoid** Strong Oxidizing Agents

**Hazardous Decomposition Products**

Hydrocarbon oxidation products - oxides of carbon - hydrocarbons - aldehydes - oligomers- smoke - acrid fumes.

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## 11. TOXICOLOGICAL INFORMATION

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**Toxicological Information:** No information available.

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## 12. ECOLOGICAL INFORMATION

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**Ecological Information:** Not Applicable.

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## 13. DISPOSAL CONSIDERATIONS

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Dispose of in accordance with all applicable local and national regulations.

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**14. TRANSPORT INFORMATION**

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DOT CFR 172.101 Data  
Transportation (IATA)  
Special Handling Required.

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**15. REGULATORY INFORMATION**

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**NFPA Ratings**

NFPA Code for Flammability -3  
NFPA Code for Health -2  
NFPA Code for Reactivity -0  
NFPA Code for Special Hazards - 0  
DOT Information: Adhesives,3, UN1133, PG11

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**16. OTHER INFORMATION**

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**Abbreviations**

N/A: Denotes no applicable information found or available  
CAS#: Chemical Abstracts Service Number  
ACGIH: American Conference of Governmental Industrial Hygienists  
OSHA: Occupational Safety and Health Administration  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
STEL: Short Term Exposure Limit  
NTP: National Toxicology Program  
IARC: International Agency for Research on Cancer

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