

REEF INDUSTRIES INC  
SAFETY DATA SHEET  
GRIFFOLYN® T-90

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

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**Product Name:** Griffolyn® T-90  
**Product Description:** Reinforced Flexible Plastic Sheeting  
**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  
**Revision Date:** 30 December 2024 **Revision:** 2  
**SDS Date:** 28 March 2013

Safety Data Sheet according to OSHA's Hazcom Standard (1910.1200 App C)

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## 2. HAZARDS IDENTIFICATION

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**Emergency Overview** Plastic films with polyester reinforced. Not considered Hazardous

### Potential Health Effects

**Eyes:** May cause irritation if exposed to fumes from burning material

**Skin:** No adverse effects to skin under normal ambient conditions. If heated to elevated temperatures, contact may cause thermal burns.

**Ingestion:** Not likely to be ingested in present form. Very low toxicity if particles are swallowed, may cause choking.

**Inhalation:** Vapors/fumes released during high heat or burning of product may cause respiratory irritation. Should not breathe fumes if this occurs. Product is not intended for high heat applications; product cannot be inhaled in solid state at ambient temperature.

**Acute Health Hazards:** None. Does not apply.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Polyethylene/polyolefin films with Polyester fibers

Component Name	CAS#/Codes
Linear Low-Density Polyethylene	25087-34-7
Low Density Polyethylene	24937-78-8
Polyester continuous filament	N/A
Carbon Black	1333-86-4
Titanium Dioxide	13463-67-7
UV Stabilizer	52829-07-9

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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 molten material comes in contact with skin, cool under ice water or running stream of water. Do not attempt to remove the material from the skin as this may result in severe tissue damage. Seek medical attention immediately.

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**Ingestion**

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

**Inhalation**

If fumes from the burning product are inhaled, move the individual to an area with fresh air immediately. Seek medical evaluation if symptoms persist or worsen.

**Advice to Physicians**

Treat symptomatically.

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**5. FIRE -FIGHTING MEASURES**

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**Flammable limits in Air, UPPER: Not Applicable**  
**(% By Volume) LOWER: Not applicable**

**Flash Point: Not Available**

**Autoignition Temperature: Not Available**

**Extinguishing Media:** Water spray, carbon dioxide and dry chemical.

**Unusual Fire and Explosion Hazard:** Hydrocarbon oxidation products including CO and CO2 can be formed during combustion.

**Hazardous Decomposition Products: Not Applicable.**

**Advice on protection against fire and explosion:** Keep away from open flames, hot surfaces, and sources of ignition. Take precautionary measures against static discharge.

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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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Use safe handling practices to avoid physical injury. Storage class (TRGS 510): 11: Combustible Solids.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Engineering Controls: Not applicable**

**Ventilation: Not Applicable**

**Respiratory Protection: Not applicable**

**Eye Protection: Not applicable**

**Skin Protection: Not applicable**

**Exposure Guidelines: Not applicable.**

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Physical State:** Polyethylene films with multifilament reinforcement.  
**Color:** Clear, white, or black depending on film color.  
**Odor:** typical polyethylene odor  
**PH:** Not applicable  
**Specific Gravity:** .895 - .965  
**Boiling Range/Point (°C/F):** Not applicable  
**Melting Point (°C/F):** 90-135 °C  
**Flash Point (PMCC) (°C/F):** Not known.  
**Vapor Pressure:** Not applicable.  
**Vapor Density:** (Air=1) Not applicable  
**Solubility in Water:** Nil, 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

None known.

### 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:** Carbon Black is classified as a Group 2B possible human carcinogen. When encapsulated in a plastic matrix, risk or exposure is minimized.

### Acute Toxicity

Low order of acute toxicity.

### Chronic Toxicity/Carcinogenicity

This product is not expected to cause long term adverse health effects.

### Genotoxicity

This product is not expected to cause any mutagenic effects.

### Reproductive/Developmental Toxicity

This product is not expected to cause adverse reproductive effects.

Acute toxicity LD50 Oral - Rat - > 10,000 mg/kg Remarks: (External Titanium Dioxide SDS)

Inhalation: No data available LD50 Dermal - Rabbit - > 10,000 mg/kg Remarks: (External Titanium Dioxide SDS)

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## 12. ECOLOGICAL INFORMATION

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### Mobility

No relevant studies identified.

### Persistence/Degradability

No relevant studies identified.

### Bioaccumulation

No relevant studies identified

### Ecotoxicity

The product may be harmful to aquatic organisms.

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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)

Not Regulated

Further information Not classified as dangerous in the meaning of transport regulations.

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## 15. REGULATORY INFORMATION

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### NFPA Ratings

NFPA Code for Flammability -1

NFPA Code for Health -0

NFPA Code for Reactivity -0

NFPA Code for Special Hazards - 0

WHMIS Class: Not Regulated - Manufactured Article

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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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