



## 1. IDENTIFICATION

**Product Name:** GTR-900 Single Sheet Membrane

**Product Description:** Specialty Construction Product: Self Adhering Waterproofing Sheet for New construction Repair

**Manufacturer/Supplier:** RE-Systems Group Americas, Inc. 14280 23<sup>rd</sup> Ave. N. Plymouth, MN 55447

**Phone Number:** 612-872-1900 (Monday - Friday 8:00 am to 4:00 pm)

**CHEMTREC (Emergency):** 1-800-424-9300

**Revision Date:** August 3, 2018

**MSDS Date:** July 07, 2018

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

## 2. HAZARDS IDENTIFICATION

**Classification of the Substance or Mixture:** Skin damage/skin irritation: Classification #2

Severe eye damage/eye irritation: classification #1

**Label Elements:**

**GHS Label Elements:** Void.

**Hazard Pictograms:**



**Signal Word:** Danger. May cause irritation to the skin

**Hazard Statements:** Void.

**Classification System:**

**NFPA Ratings (scale 0 - 4)**



Health = 2

Fire = 1

Reactivity = 0

**HMIS Ratings (scale 0 - 4)**

HEALTH	2
FIRE	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

**Other Hazards:**

**Results of PBT and vPvB Assessments:**

**PBT:** Not applicable.

**vPvB:** Not applicable.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component Name</u>	<u>CAS#/Codes</u>	<u>Ingredient %</u>
Carbon Black	133-86-4	0.1-1%
Distillate Aromatic Extract	64742-04-7	10-30%
Petroleum Hydrocarbon Resin	64742-16-1	10-30%
Polyethylene	9002-88-4	1-10%
Styrene-Butadiene Rubber	9003-55-8	10-30%
S1 (Trade Secret)	-	0.1-0.5%

**Non-Hazardous Statement:** the remaining components of this product are non-hazardous or are in a small enough quantity as to not meet regulatory thresholds for disclosure. These components contain no substances or impurities which would influence the classification of this product



RE-Systems Group Americas, Inc.  
SAFETY DATA SHEET  
GEL-TECH SYSTEMS® GTR-900 Single Sheet Membrane

#### 4. FIRST AID MEASURES

**Eyes:** If contact on eyes, wash carefully with water for a few minutes (remove contact lenses if possible and continue washing). Receive emergency treatment.

**Skin Contact:** If skin irritation occurs, receive medical treatment or consultation.

Take off contaminated clothing and wash before reuse. If the material is hot, wash off with cold water. Remove contaminated clothes and shoes and contain the contaminated area. If content contacts with skin in small area, prevent any further spreading.

**Ingestion:** If exposed or concerned about exposure, seek medical attention. In case of intaking or inhaling substance, do not receive mouth-to-mouth.

**Inhalation:** Product cannot be inhaled in solid state at ambient temperature. Product is not intended for high heat applications. Vapors/fumes released during high heat or burning of product may cause respiratory irritation. Should not breathe fumes if this occurs. Remove person to fresh air if fumes are inhaled from burning product. Seek medical attention if symptoms persist.

**Advice to Physicians:** Treat symptomatically. Have professional medical personnel take note regarding the substance being handled on-site and aide in taking protective measures.

#### 5. FIRE-FIGHTING MEASURES

**Extinguishing Media:** Use dry chemical, foam, CO<sub>2</sub>. Use water to cool fire-exposed containers and to protect personnel. Treat as fuel oil or hydrocarbon fire.

**Unsuitable Media:** None.

**Unusual Fire Hazards:** DO NOT direct water into a container or directly onto hot product, a vessel or storage tank containing hot product, as it may cause violent eruptions and spreading of hot product. Hot product may ignite flammable materials on contact.

**Hazardous Decomposition Products:** Primary combustion products are carbon monoxide, carbon dioxide, and water. Combustion products may include sulfur oxides, and hydrogen sulfide. Other undetermined compounds could be released in small quantities.

**Special Firefighting Procedures:** Wear self-contained breathing apparatus (SCUBA) and full firefighting protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personnel Precautions:** Avoid contact with skin and eyes. Isolate area and keep unnecessary personnel away.

**Environmental Precautions:** Avoid dispersal of spilled material and runoff into storm sewers, ditches, and waterways.

**Methods for Containment:** Contain spills with an inert absorbing material, such as soil, sand or oil dry. Prevent from spreading by diking or other means.

**Methods for Cleanup:** Put into a suitable container for disposal. Transfer to properly labeled containers. Evaluate residue to determine if it is a hazardous waste by characteristic (D001). Dispose of in accordance with Local, State, Federal, and Provincial regulations.

#### 7. HANDLING AND STORAGE

**Handling:** DO NOT get this material in your eyes, or on your skin, or on your clothing, and avoid inhaling vapors, fumes or mist. Use this product with adequate ventilation.

**Storage:** Store in cool, dry and well ventilated area away from sources and incompatible materials. Keep container closed when not in use. Keep away from heat, sparks, or open flame. Assure proper ventilation of storage or shipping containers to prevent accumulation of hazardous concentration of off-gassed hydrocarbon gas.

**Work Practices:** Handle in accord with good industrial hygiene and safety practices. These include avoiding any unnecessary exposure and removal of the material from the skin, eyes and clothing.

**Special Handling:** Hydrogen sulfide, an extremely flammable, colorless, highly toxic gas, is emitted from heating asphalt (a major ingredient in product) and may accumulate in storage tanks and bulk transport containers.



RE-Systems Group Americas, Inc.  
SAFETY DATA SHEET  
GEL-TECH SYSTEMS® GTR-900 Single Sheet Membrane

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** N/A

**Eye/Face Protection:** Wear safety glasses with side shields or goggles.

**Skin Protection:** Wear cloth work clothing including long pants and long-sleeved shirts. Wear gloves. Wear suitable protective footwear.

**Respiratory Protection:** Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Hygiene Practices:** Wash exposed areas thoroughly after handling this product. Wash hands and arms frequently. Shower after exposure. Wash work clothes when soiled. Avoid contact with skin, eyes and clothing.

Exposure Guidelines:	OSHA	NIOSH	ACGIH®	Ontario CA	Alberta CA	MEXICO
Carbon Black	None Listed	REL-Ceiling: 5mg/m <sup>3</sup> over a 15 minute period	TLV-8hr, TWA: 0.5mg/m <sup>3</sup> as soluble aerosol (inhalation fraction)	See ACGIH	8hr, TWA: 5mg/m <sup>3</sup>	8hr, TWA: 5mg/m <sup>3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Solid/semi-solid black (viscous).

**Color:** Black.

**Odor:** Soft asphalt odor.

**pH:** 7.5 - 8.0

**Specific Gravity:** 0.97-1.02

**Boiling Range/Point (°C/°F):** N/A.

**Melting Point (°C/°F):** N/A.

**Softening Point (°C/°F):** Softening under ambient temperature (22.2°C/72°F).

**Flash Point (PMCC) (°C/°F):** >140°C/>284°F.

**Vapor Pressure:** N/A.

**Vapor Density:** (Air=1) N/A.

**Molecular Weight:** N/A

**Coefficient of Viscosity:** 1,000cP - 4,000cP

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal temperature and pressure conditions.

**Hazardous Polymerization:** Hazardous polymerization does not occur.

**Conditions to Avoid:** Keep away from heat, sparks, or open flame. Avoid ignition sources. Do not allow hot, molten product to contact water as this may cause violent eruptions and spreading of hot product.

**Substances to Avoid:** Combustible materials, reducing substances.

**Incompatible Materials:** This product may react with strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide. Combustion products may include sulfur oxides and hydrogen sulfide.



RE-Systems Group Americas, Inc.  
SAFETY DATA SHEET  
GEL-TECH SYSTEMS® GTR-900 Single Sheet Membrane

## 11. TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.

**Likely Routes of Exposure:** Skin contact. Exposure to product may result in irritation of the skin.

Prolonged exposure more than the TLV may result in acute toxic effects.

### Acute Toxicity:

Chemical Name	LC50 (Inhalation)	LD50 (Oral)	LD50 (dermal)	LD50 (Percutaneous)
Carbon Black	N/A	>15400 mg/kg (Rat)	N/A	3000 mg/kg (Rabbit)
Distillate Aromatic Extract	N/A	>5000 mg/kg (Rat)	Mild Irritation (Rabbit) Non-irritable (Guinea Pig)	>2000 mg/kg (Rabbit)
S1 (Trade Secret)	N/A	>10000 mg/kg (Rat)	Medium Irritation (Human) Non-irritable (Guinea Pig)	N/A
Petroleum Hydrocarbon Resin	N/A	7000 mg/kg (Mammal)	Causes irritation to the skin	N/A
Polyethylene	75.5 mg/l 30 min (Rat)	>8000 mg/kg (Rat)	N/A	N/A
Styrene-Butadiene Rubber	N/A	N/A	500 mg/24H	N/A

**Skin Corrosion/Irritation:** May cause dermatitis.

**Serious Eye Damage/Irritation:** Symptoms include slight redness and pain.

**Respiratory and/or Skin Sensitization:** Affect the lung after prolonged or repeated exposure to dust particles

### Carcinogenicity:

Chemical Name	IARC	ACGIH®	NTP	OSHA
Carbon Black	Group 2B	A3		
Distillate Aromatic Extract	N/A	N/A		
S1 (Trade Secret)	Group 3	A4		
Petroleum Hydrocarbon Resin		N/A		
Polyethylene	Group 3	N/A		
Styrene-Butadiene Rubber	Group 3	N/A		

**Reproductive Toxicity:** N/A.

**Development of Offspring:** Not hazardous by OSHA/WHMIS criteria.

**Sexual Function and Fertility:** This product is not reported to have any reproductive toxicity effects.

**Effects on or via Lactation:** N/A.

**Germ Cell Mutagenicity:** N/A.

**Interactive Effects:** N/A.



RE-Systems Group Americas, Inc.  
SAFETY DATA SHEET  
GEL-TECH SYSTEMS® GTR-900 Single Sheet Membrane

## 12. ECOLOGICAL INFORMATION

**Environmental Affects:** No known significant effects or critical hazards when used and disposed of as intended.

**Toxicity:** N/A.

**Persistence and Degradability:** Not readily biodegradable.

**Bio accumulative Potential:** N/A.

**Mobility in Soil:** Semi-solid. Insoluble in water.

**Other Adverse Effects:** N/A.

### Ecotoxicity:

Chemical name	EC50 (Fish)	EC50 (Crustacean)	EC50 (Avian)
Carbon Black	N/A	5600 mg/l 24hr	N/A
Distillate Aromatic Extract	N/A	1.4 mg/l 48hr (Daphnia Magna)	3.1 mg/l 63hr Selenastrum capricornutum
S1 (Trade Secret)	N/A	N/A	N/A
Petroleum Hydrocarbon Resin	N/A	N/A	N/A
Polyethylene	N/A	N/A	N/A
Styrene-Butadiene Rubber	N/A	N/A	N/A

### Residual Potential and Degradability:

Chemical Name	Residual Potential	Degradability	Bio-condensability	Soil Mobility	Other hazardous effects
Carbon Black	N/A	N/A	N/A	N/A	N/A
Distillate Aromatic Extract	Log kow 4.4-6 (25°C, estimation)	N/A	N/A	N/A	Crustacean: NOEC (Daphnia magna) = 0.02 mg/L/23d
S1 (Trade Secret)	Log kow 0.97 (Estimation)	N/A	N/A	N/A	N/A
Petroleum Hydrocarbon Resin	N/A	N/A	N/A	N/A	N/A
Polyethylene	N/A	N/A	N/A	N/A	N/A
Styrene-Butadiene Rubber	N/A	N/A	N/A	N/A	N/A

## 13. DISPOSAL CONSIDERATIONS

### Disposal Methods:

Dispose of in accordance with all applicable local and national regulations. Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction. Dispose of unused product through an authorized waste contractor to a licensed site. Do not empty into drains, sewers or water course.

**Used/Contaminated Product:** Same as used product.



RE-Systems Group Americas, Inc.  
SAFETY DATA SHEET  
GEL-TECH SYSTEMS® GTR-900 Single Sheet Membrane

**Packaging:** The method of disposal must be acceptable to the local authority.

#### 14. TRANSPORT INFORMATION

**Not regulated under US DOT Regulations. Not regulated under Canadian TDG Regulations.**

**UN-Number:** DOT, ADR, ADN, IMDG, IATA - N/A.

**UN Proper Shipping Name:** DOT, ADR, ADN, IMDG, IATA - N/A.

**Transport Hazard Class(es):** DOT Class, ADR, ADN, IMDG, IATA - N/A.

**Packing Group:** DOT, ADR, IMDG, IATA - N/A.

**Special Precautions for User:** N/A.



RE-Systems Group Americas, Inc.  
SAFETY DATA SHEET  
GEL-TECH SYSTEMS® GTR-900 Single Sheet Membrane

## 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations:

#### USA:

**Toxic Substances Control Act (TSCA) Section 8(b):** This product and/or its components are listed on the TSCA Chemical Inventory. Additional reporting (Tier II, Tier I, or Chemical Release Reporting) may be required. **Additional USA**

**Regulatory Lists:** RCRA Hazardous Waste Number: Not Listed RCRA Hazardous Waste Classification (40 CFR 261): This material should be hazardous due to characteristics. CERCLA: Not listed CERCLA Reportable Quantity (RQ): This material, in its solid form, is not a listed hazardous substance and does not have a reportable quantity. However, if spilled in liquid form into waters of the U.S., it may be reportable under the Clean Water Act. SARA Title III - Section 311/312: Fire - No, Pressure - No, Reactivity - No, Immediate (acute) - Yes, Delayed (chronic) - Yes. OSHA Regulations OSHA Specifically Regulated Substance: No.

#### Canada:

All components of this product are on the Domestic Substances List (DSL) or are exempt and are acceptable for use under the provision of CEPA. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):** The components of this product are in compliance with the chemical notification requirements of the NSN Regulation under CEPA, 1999.

## 16. OTHER INFORMATION

### Abbreviations:

ACGIH: American Conference of Governmental Industrial Hygienists

CAS#: Chemical Abstracts Service Number

IARC: International Agency for Research on Cancer

NTP: National Toxicology Program

N/A: Denotes no applicable information found or available

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

The information and recommendations presented in this SDS are based on sources believed to be accurate. RE-Systems Group Americas, Inc. assumes no liability for the accuracy or completeness of this information. In particular, we make NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, with respect to such information, and we assume no liability resulting from its use. Users should ensure that any use or disposal of the material is in accordance with applicable Federal, State, and local laws and regulations. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.