



# SAFETY DATA SHEET

US GHS

Revision Date 19-Nov-2014

Version 3

Issue Date No data available

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** PLF1502, PLIOFLEX 1502  
**Safety data sheet number** G0199  
**Recommended Use** Rubber products, tires  
**Company Name** The Goodyear Tire & Rubber Company, 200 Innovation Way, Akron, Ohio 44316-0001 U.S.A.  
Goodyear Canada Inc. 450 Kipling Ave. Etobicoke, Ontario M8Z 5E1 Canada  
**Company Phone Number** Technical Assistance 1.330.796.1906  
**24 Hour Emergency Phone Number** Goodyear / 24 hour Assistance 1.330.796.5111  
**Emergency Telephone** Goodyear / 24 hour Assistance 1.330.796.5111

## 2. HAZARDS IDENTIFICATION

### Classification

### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

### **Emergency Overview**

#### **Signal word**

None

#### **Hazard statements**

None

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** No information available

**Odor** Odorless

**Physical state** Solid

### Precautionary statements

#### **Prevention**

None required

#### **Hazards not otherwise classified (HNOC)**

Not applicable

#### **Other hazards**

0% of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Styrene-Butadiene polymer	9003-55-8	60-100
Fatty acids, tallow	61790-37-2	1-5
Resin acids and Rosin acids, potassium salts	61790-50-9	1-5

## 4. FIRST AID MEASURES

### First aid measures

<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes (Get medical attention immediately if irritation persists.)
<b>Skin Contact</b>	Wash with soap and water
<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors or decomposition products.
<b>Ingestion</b>	Not an expected route of exposure. Clean mouth with water and drink afterwards plenty of water.

### Indication of any immediate medical attention and special treatment needed

<b>Symptoms</b>	No information available
-----------------	--------------------------

### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically
---------------------------	-----------------------

## 5. FIRE-FIGHTING MEASURES

### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** None.

### **Specific hazards arising from the chemical**

None in particular.

**Hazardous combustion products** Carbon oxides.

### **Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### **Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with skin, eyes or clothing. Wash thoroughly after handling.

### **Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information.

### **Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** None known.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Avoid contact with skin, eyes or clothing. Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering Controls** Showers. Eyewash stations. Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear protective gloves.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	Solid	<b>Odor</b>	Odorless
<b>Appearance</b>	No information available		
<b>Odor threshold</b>	No information available		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	Not applicable	None known
<b>Melting point/freezing point</b>	No data available	None known
<b>Boiling point / boiling range</b>	Not applicable	None known
<b>Flash point</b>		None known
<b>Evaporation rate</b>	Not applicable	None known
<b>Flammability (solid, gas)</b>	No data available	None known
None known		None known
<b>Vapor pressure</b>	Not applicable	None known
<b>Vapor density</b>	Not applicable	None known
<b>Specific Gravity</b>	No data available	None known
<b>Water solubility</b>	No data available	
<b>Solubility in other solvents</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>	No data available	None known

**Other Information**

<b>Softening point</b>	No data available
<b>Molecular weight</b>	Not applicable
<b>VOC Content (%)</b>	0.0178999995623599
<b>Density</b>	No information available
<b>Bulk density</b>	No information available

## 10. STABILITY AND REACTIVITY

**Reactivity**

Stable under normal conditions

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

None known.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information
<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye contact</b>	May cause irritation.
<b>Skin Contact</b>	May cause irritation.
<b>Ingestion</b>	Ingestion may cause irritation to mucous membranes.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Styrene 100-42-5	= 1000 mg/kg ( Rat )	-	= 11.7 mg/L ( Rat ) 4 h
1,3-Butadiene 106-99-0	= 5480 mg/kg ( Rat )	-	= 285 g/m <sup>3</sup> ( Rat ) 4 h

**Information on toxicological effects**

**Symptoms** None known.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
Styrene-Butadiene polymer 9003-55-8		Group 3		

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

**NTP (National Toxicology Program)**

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.

**Unknown Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated

### Bioaccumulation

MATERIAL DOES NOT BIOACCUMULATE.

### Mobility

No information available.

### Persistence and degradability

NOT READILY BIODEGRADABLE.

### Other adverse effects

None known

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### **Disposal of wastes**

This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261)

#### **Contaminated packaging**

Do not reuse container.

## 14. TRANSPORT INFORMATION

### DOT

Not regulated

### TDG

Not regulated

### MEX

Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

Component	TSCA	DSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Styrene-Butadiene polymer 9003-55-8 ( 60-100 )	X	X	X		Present	X	Present	X	X
Fatty acids, tallow 61790-37-2 ( 1-5 )	X	X	Present		Present	X	Present	X	X
Resin acids and Rosin acids, potassium salts 61790-50-9 ( 1-5 )	X	X	Present			X	Present	X	X

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

## US Federal Regulations

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### **SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

### **CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

## US State Regulations

### **California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
1,3-Butadiene - 106-99-0	Carcinogen Developmental Female Reproductive

## U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Styrene-Butadiene polymer 9003-55-8	X		

## International Regulations

### **Mexico - Grade**

No information available

### **Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

### **WHMIS Hazard Class**

Non-controlled

NPRI - National Pollutant Release Inventory

## 16. OTHER INFORMATION

<b>NFPA</b>	Health hazards 0	Flammability 1	Stability 0	Physical and Chemical Properties - Personal protection -
<b>HMIS</b>	Health hazards 0	Flammability 1	Physical hazards 0	

**Revision Date**

19-Nov-2014

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**