



SAFETY DATA SHEET

US GHS

Revision Date 11-Jan-2016

Version 5

Issue Date No data available

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name PLF1502, PLIOFLEX 1502
Safety data sheet number G0199
Alternate Name None
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
No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

4. FIRST AID MEASURES

First aid measures

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

Most important symptoms and effects, both acute and delayed

Symptoms	None known
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use. Carbon dioxide (CO₂). Dry chemical. Foam.

Unsuitable Extinguishing Media	None.
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Specific hazards arising from the chemical

If ignited by excessive heat or open flame, this product will burn.

Hazardous combustion products	Carbon oxides.
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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.
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Environmental precautions

Environmental precautions	See Section 12 for additional ecological information.
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Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
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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 No protective equipment is needed under normal use conditions. In case of insufficient ventilation, wear suitable respiratory equipment.

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

Physical state	Solid	Odor	Odorless
Appearance	No information available		
Odor threshold	No information available		
Property	Values	Remarks • Method	
pH	Not applicable	None known	
Melting point/freezing point	No data available	None known	
Boiling point / boiling range	Not applicable	None known	
Flash point		None known	
Evaporation rate	Not applicable	None known	
Flammability (solid, gas)	No data available	Upper flammability limits	No data available
		Lower flammability limit	No data available
		Vapor pressure	Not applicable
		Vapor density	Not applicable
		Specific Gravity	No data available
		Water solubility	No data available
		Solubility in other solvents	No data available
		Partition coefficient	No data available
None known			
None known			
None known			
None known			

None known

None known

None known

**Autoignition
temperature
Decomposition
temperature**

Revision Date 11-Jan-2016

No data available

No data available

Other Information

Softening point No data available
Molecular weight Not applicable
Density No information available
Bulk density 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

Product Information Product does not present an acute toxicity hazard based on known or supplied information

Inhalation None known.

Eye contact None known.

Skin Contact None known.

Ingestion None known.

Component Information No information available

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

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to microorganisms	Daphnia magna (Water Flea)
Benzenamine, N-phenyl-, styrenated 68442-68-2		EC50 (96h)=920 mg/l (fish)		21 day NOEC-Reproduction (Daphia Magna)= 20.6 ug/l

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
Resin acids and Rosin acids, potassium salts 61790-50-9 (1-5)	X	X	Present			X	Present	X	X
Fatty acids, tallow 61790-37-2 (1-5)	X	X	Present		Present	X	Present	X	X
Styrene-Butadiene polymer 9003-55-8 (60-100)	X	X	X		Present	X	Present	X	X

Legend:

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

DSL/NDSL - 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

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	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				
<u>NFPA</u>	Health hazards 0	Flammability 1	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 0	Flammability 1	Physical hazards 0	Personal protection -
Revision Date	11-Jan-2016			
Disclaimer	<p>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</p>			
End of Safety Data Sheet				