



# SAFETY DATA SHEET

US GHS

Revision Date 21-Apr-2017

Version 3

Issue Date No data available

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** PARA-DIISOPROPYLBENZENE

**Safety data sheet number** G0013

**Alternate Name** None

**Recommended Use** Production of tires and other rubber products.

**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** Chemtrec (USA) 1.800.424.9300

## 2. HAZARDS IDENTIFICATION

### Classification

### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 4

### Emergency Overview

#### Signal word

Warning

#### Hazard statements

Causes skin irritation

Causes serious eye irritation

May cause respiratory irritation. May cause drowsiness or dizziness

Combustible liquid



**Appearance** clear

**Odor** Aromatic

**Physical state** Liquid

### Precautionary statements

### Prevention

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep cool

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention

**Skin**

IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation occurs: Get medical advice/attention  
 Take off contaminated clothing and wash before reuse

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Call a POISON CENTER or doctor/physician if you feel unwell

**Fire**

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Storage**

Store in a well-ventilated place. Keep container tightly closed  
 Store locked up

**Disposal**

Dispose of contents/container to an approved waste disposal plant

**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-%
Benzene, 1,4-bis(1-methylethyl)-	100-18-5	>99.0

### 4. FIRST AID MEASURES

**First aid measures****General advice**

If symptoms persist, call a physician

**Eye contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention

**Skin Contact**

Wash skin with soap and water  
 Get medical attention if irritation develops and persists  
 Take off contaminated clothing

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**Ingestion**

Do NOT induce vomiting. Rinse mouth.

**Most important symptoms and effects, both acute and delayed****Symptoms**

None known

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

**Note to physicians** Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray (fog). Alcohol resistant foam.

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.

### Specific hazards arising from the chemical

Combustible liquid. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

**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** Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Pay attention to flashback. Take precautionary measures against static discharges. Avoid contact with skin, eyes or clothing.

### Environmental precautions

**Environmental precautions** A vapor suppressing foam may be used to reduce vapors. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains. Prevent spreading of vapors through sewers, ventilation systems and confined areas. See Section 12 for additional ecological information.

### Methods and material for containment and cleaning up

**Methods for containment** Dike far ahead of liquid spill for later disposal.

**Methods for cleaning up** Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Use only non-sparking tools. Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Remove all sources of ignition. Ensure adequate ventilation, especially in confined areas. Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Avoid breathing vapors or mists.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat and sparks.

**Incompatible materials** Strong oxidizing agents.

## 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** Tight sealing safety goggles.

**Skin and body protection** Suitable protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. In case of insufficient ventilation, wear suitable respiratory equipment.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid		
<b>Appearance</b>	clear	<b>Odor</b>	Aromatic
<b>Odor threshold</b>	No information available		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</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>	210.3 °C		
<b>Flash point</b>	70 °C / 158 °F		
<b>Evaporation rate</b>	Not applicable	None known	
<b>Flammability (solid, gas)</b>	No data available	<b>Upper flammability limits</b>	No data available
		<b>Lower flammability limit</b>	No data available
		<b>Vapor pressure</b>	Not applicable
None known		<b>Vapor density</b>	5.6
None known		<b>Specific Gravity</b>	No data available
None known		<b>Water solubility</b>	insoluble
None known		<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			
<b><u>Other Information</u></b>			
<b>Softening point</b>	No data available		
<b>Molecular weight</b>	Not applicable		
<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**

Heat, flames and sparks.

**Incompatible materials**

Strong oxidizing agents.

**Hazardous Decomposition Products**

Carbon oxides.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	May cause irritation of respiratory tract. May cause drowsiness or dizziness.
<b>Eye contact</b>	Irritating to eyes.
<b>Skin Contact</b>	Irritating to skin.
<b>Ingestion</b>	Ingestion may cause irritation to mucous membranes. May cause additional affects as listed under "Inhalation".

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Benzene, 1,4-bis(1-methylethyl)- 100-18-5	>3200 mg/kg (Rat)	>17,000 mg/kg (guinea pig)	-

**Information on toxicological effects**

**Symptoms** None known.

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

<b>Skin corrosion/irritation</b>	Irritating to skin.
<b>Serious eye damage/eye irritation</b>	Irritating to eyes.
<b>Sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	May cause respiratory irritation. May cause drowsiness or dizziness.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic toxicity</b>	None known.
<b>Aspiration hazard</b>	No information available.
<b>Unknown Acute Toxicity</b>	0% of the mixture consists of ingredient(s) of unknown toxicity

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Diisopropylbenzenes are considered marine pollutants.

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Bioaccumulation**

No information available.

**Mobility**

No information available.

**Persistence and degradability**

No information available.

**Other adverse effects**

No information available

<b>13. DISPOSAL CONSIDERATIONS</b>
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**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. Never pierce, drill, grind, cut, saw or weld any empty container.

<b>14. TRANSPORT INFORMATION</b>
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**DOT**

<b>UN/ID No</b>	NA1993
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Description</b>	NA1994, Comnbustible Liquid,n.o.s, (para-diisopropylbenzene) 3, III
<b>Emergency Response Guide Number</b>	128

**TDG**

<b>UN/ID No</b>	UN3082
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Description</b>	UN3082, Environmental Hazardous substances, liquid, n.o.s. (para-diisopropylbenzene), 9, III, MP

**MEX**

<b>UN/ID No</b>	UN3082
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Description</b>	UN3082, Environmental Hazardous substances, liquid, n.o.s. (para-diisopropylbenzene), 9, III, MP

**ICAO (air)**

<b>UN/ID No</b>	UN3082
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Description</b>	UN3082, Environmental Hazardous substances, liquid, n.o.s. (para-diisopropylbenzene), 9, III, MP

**IATA**

<b>UN/ID No</b>	UN3082
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>ERG Code</b>	9L
<b>Description</b>	UN3082, Environmental Hazardous substances, liquid, n.o.s. (para-diisopropylbenzene), 9, III, MP

**IMDG**

**UN/ID No** UN3082  
**Hazard Class** 9  
**Packing Group** III  
**EmS-No** F-A, S-F  
**Marine pollutant** Diisopropylbenzenes  
**Description** UN3082, Environmental Hazardous substances, liquid, n.o.s. (para-diisopropylbenzene), 9, III, MP

**RID**

**UN/ID No** UN3082  
**Hazard Class** 9  
**Packing Group** III  
**Classification code** M6  
**Description** UN3082, Environmental Hazardous substances, liquid, n.o.s. (para-diisopropylbenzene), 9, III, MP

**ADR**

**UN/ID No** UN3082  
**Hazard Class** 9  
**Packing Group** III  
**Classification code** M6  
**Tunnel restriction code** (E)  
**Description** UN3082, Environmental Hazardous substances, liquid, n.o.s. (para-diisopropylbenzene), 9, III, MP

**ADN**

**UN/ID No** UN3082  
**Hazard Class** 9  
**Packing Group** III  
**Classification code** M6  
**Special Provisions** 274, 335, 601  
**Description** UN3082, Environmental Hazardous substances, liquid, n.o.s. (para-diisopropylbenzene), 9, III, MP  
**Limited quantity (LQ)** 5 L

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

Component	TSCA	DSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Benzene, 1,4-bis(1-methylethyl )- 100-18-5 (>99.0)	X	X	Present		Present	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** Yes  
**Chronic Health Hazard** No

<b>Fire hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

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

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

**International Regulations**

**Mexico - Grade**

Moderate risk, Grade 2

**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**

B3 - Combustible liquid

D2B - Toxic materials



**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	Health hazards 2	Flammability 2	Instability 0	<b>Physical and Chemical Properties -</b>
<b><u>HMIS</u></b>	Health hazards 2	Flammability 2	Physical hazards 0	<b>Personal protection -</b>

**Revision Date** 21-Apr-2017

**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**