



Safety Data Sheet

US GHS

Revision date 29-Sep-2017

Version 1

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: +1-703-741-5970 (INTERNATIONAL) 1-800-424-9300 (NORTH AMERICA)

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
FLAMMABLE LIQUIDS	Category 4

EMERGENCY OVERVIEW

Signal Word

WARNING

Hazard Statements

CAUSES SKIN IRRITATION
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
Keep away from heat/sparks/open flames/hot surfaces. — No smoking

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

FIRE

In case of fire: Use CO₂, dry chemical, or foam for extinction

Storage

Store in a well-ventilated place. Keep cool

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

Not Applicable

Other Hazards

Very toxic to aquatic life with long lasting effects

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

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Skin contact

Wash skin with soap and water. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.

INHALATION

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

INGESTION

If swallowed: Call a POISON CENTER or doctor/physician if you feel unwell.

Most Important Symptoms and Effects, Both Acute and Delayed**Symptoms**

Irritation

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 (CO₂). 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.

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. Avoid release to the environment. Collect spillage. See Section 12 for additional Ecological Information. Dispose of contents/container to an approved waste disposal plant.

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 personal protective equipment as required.

Conditions for safe storage, including any incompatibilities

Storage conditions Store in a well-ventilated place. Keep cool.

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 Wear safety glasses with side shields (or goggles).

Skin and Body Protection Wear protective gloves and 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. Wash contaminated clothing before reuse.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Aromatic
Appearance	Clear		
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	210.3 °C		
Flash Point	70 °C / 158 °F		
Evaporation Rate	Not Applicable	None known	
Flammability (solid, gas)	No Data Available	Upper flammability limits	No Data Available
		Lower Flammability Limit	No Data Available
None known		Vapor Pressure	Not Applicable
		Vapor Density	5.6
None known		Specific gravity	No Data Available
None known		Water Solubility	Insoluble
		Solubility in Other Solvents	No Data Available
None known		Partition Coefficient	No Data Available
None known		Autoignition Temperature	No Data Available
		Decomposition Temperature	No Data Available
None known			
<u>OTHER INFORMATION</u>			
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

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**

INHALATION	None known.
Eye Contact	May cause irritation.
Skin contact	Irritating to skin.
INGESTION	None known.

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 Irritation.

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

Skin Corrosion/Irritation	Irritating to skin.
Sensitization	No information available.
Germ Cell Mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive Toxicity	No information available.
STOT - Single Exposure	No information available.
STOT - Repeated Exposure	No information available.
Chronic Toxicity	None known.
Aspiration Hazard	No information available.

12. Ecological Information

This product contains a chemical which is listed as a marine pollutant according to DOT.

Ecotoxicity

A 21-day Daphnia magna chronic toxicity test was conducted for CAS No. 25321-09-9. The measured concentrations were control, solvent control, 0.009, 0.024, 0.063, 0.168, and 0.431 mg/L. the NOEC was determined based on the cumulative number of juveniles produced per adult alive for 21 days. 21-d Daphnia ChV = 0.220 mg/L; 21-d Daphnia NOEC = 0.063 mg/L. Mixed diisopropylbenzene.

0% 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

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. Never pierce, drill, grind, cut, saw or weld any empty container.

14. Transport Information

Note: According to 49 CFR §173.150(f)(1), this material should be reclassified as NA1993, Combustible Liquid, NOS if it is shipped in bulk

DOT

UN/ID no	NA1993
Proper Shipping Name	Combustible Liquid, n.o.s.
Hazard class	3
Subsidiary Class	9
Packing group	III
Marine Pollutant	This product contains a chemical which is listed as a marine pollutant according to DOT.
Description	NA1993, COMBUSTIBLE LIQUID, N.O.S. (DIISOPROPYLBENZENE), Class 3, PG III (MARINE POLLUTANT)

TDG

UN/ID no	UN3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s.
Hazard class	9
Packing group	III
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (diisopropylbenzenes), 9, III, Marine Pollutant

MEX

UN/ID no	UN3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s.
Hazard class	9
Packing group	III
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (diisopropylbenzenes), 9, III, Marine Pollutant

ICAO (air)

UN/ID no	UN3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s.
Hazard class	9
Packing group	III
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (diisopropylbenzenes), 9, III, Marine Pollutant

IATA

UN/ID no	UN3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s.
Hazard class	9
Packing group	III
ERG code	9L
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (diisopropylbenzenes), 9, III, Marine Pollutant

IMDG

UN/ID no	UN3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s.
Hazard class	9
Packing group	III
EmS-No	F-A, S-F
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (diisopropylbenzenes), 9, III, Marine Pollutant

RID

UN/ID no UN3082
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s.
Hazard class 9
Packing group III
Classification Code M6
Description &UN3082, &, 9, III

ADR

UN/ID no UN3082
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s.
Hazard class 9
Packing group III
Classification Code M6
Tunnel restriction code (E)
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (diisopropylbenzenes), 9, III, Marine Pollutant
Labels 9

ADN

UN/ID no UN3082
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s.
Hazard class 9
Packing group III
Classification Code M6
Special provisions 274, 335, 601
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (diisopropylbenzenes), 9, III, Marine Pollutant
Hazard label(s) 9
Limited Quantity (LQ) 5 L

15. Regulatory Information

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
Fire Hazard	Yes
Sudden Release of Pressure Hazard	NO
Reactive hazard	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

<u>NFPA</u>	Health Hazards 2	Flammability 2	Instability 0	Physical and chemical properties - PERSONAL PROTECTION -
<u>HMIS</u>	Health Hazards 2	Flammability 2	Physical Hazards 0	

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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