



# SAFETY DATA SHEET

US GHS

Revision Date 17-Dec-2015

Version 2

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Mixture of Para and Meta Diisopropylbenzene

**Safety data sheet number** G0015

**Alternate Name** None

**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
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 4

### Emergency Overview

#### Signal word

Danger

#### Hazard statements

Causes skin irritation  
Causes serious eye irritation  
May cause cancer  
May cause respiratory irritation  
May cause drowsiness or dizziness  
Combustible liquid



**Appearance** clear

**Odor** No information available

**Physical state** Liquid

### Precautionary statements

**Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 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  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Use only outdoors or in a well-ventilated area

**Response**

IF exposed or concerned: Get medical advice/attention

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

**Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other hazards**

Toxic to aquatic life with long lasting effects  
 0% of the mixture consists of ingredient(s) of unknown toxicity  
 No information available

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Cumene	98-82-8	0-5
Benzene, 1,2-bis(1-methylethyl)-	577-55-9	0-6
Benzene, 1,4-bis(1-methylethyl)-	100-18-5	0-50
1,3-Diisopropylbenzene	99-62-7	50-100

**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** IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

**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

<b>Storage Conditions</b>	Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat and sparks.
<b>Incompatible materials</b>	Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH:
Cumene 98-82-8	TWA: 50 ppm	TWA: 50 ppm TWA: 245 mg/m <sup>3</sup> (vacated) TWA: 50 ppm (vacated) TWA: 245 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 900 ppm TWA: 50 ppm TWA: 245 mg/m <sup>3</sup>

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH: Immediately Dangerous to Life or Health

### Appropriate engineering controls

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

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

<b>Eye/face protection</b>	Tight sealing safety goggles.
<b>Skin and body protection</b>	Suitable protective clothing.
<b>Respiratory protection</b>	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>Odor</b>	No information available
<b>Appearance</b>	clear		
<b>Odor threshold</b>	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
<b>pH</b>	Not applicable	None known	
<b>Melting point/freezing point</b>	No data available	None known	
<b>Boiling point / boiling range</b>	193.3 °C / 380 °F	None known	
<b>Flash point</b>	71.1 °C / 160 °F	None known	
<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
		<b>Vapor density</b>	5.6
		<b>Specific Gravity</b>	0.856
		<b>Water solubility</b>	insoluble
		<b>Solubility in other</b>	No data available
None known			
None known			
None known			
None known			

None known  
None known

None known

None known

**solvents**  
**Partition coefficient**  
**Autoignition**  
**temperature**  
**Decomposition**  
**temperature**

No data available  
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**

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
Cumene 98-82-8	= 1400 mg/kg ( Rat )	= 12300 µL/kg ( Rabbit )	> 3577 ppm ( Rat ) 6 h = 39000 mg/m <sup>3</sup> ( Rat ) 4 h
Benzene, 1,4-bis(1-methylethyl)- 100-18-5	>3200 mg/kg (Rat)	>17,000 mg/kg (guinea pig)	-
1,3-Diisopropylbenzene 99-62-7	= 7400 mg/kg ( Rat )	-	-

**Information on toxicological effects**

**Symptoms** Vapors may cause drowsiness and dizziness. Irritation.

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

**Skin corrosion/irritation** Irritating to skin.

**Serious eye damage/eye irritation** Irritating to eyes.  
**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
Cumene 98-82-8		Group 2B	Reasonably Anticipated	X

*IARC (International Agency for Research on Cancer)*

*Group 2B - Possibly Carcinogenic to Humans*

*NTP (National Toxicology Program)*

*Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen*

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

*X - Present*

**Reproductive toxicity** No information available.  
**STOT - single exposure** May cause respiratory irritation. May cause drowsiness or dizziness.  
**STOT - repeated exposure** No information available.  
**Chronic toxicity** None known.  
**Aspiration hazard** No information available.

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

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Diisopropylbenzenes are considered marine pollutants.

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to microorganisms	Daphnia magna (Water Flea)
Cumene 98-82-8	EC50 72 h: = 2.6 mg/L Pseudokirchneriella subcapitata	LC50 96 h: 6.04 - 6.61 mg/L flow-through Pimephales promelas LC50 96 h: = 4.8 mg/L flow-through Oncorhynchus mykiss LC50 96 h: = 2.7 mg/L semi-static Oncorhynchus mykiss LC50 96 h: = 5.1 mg/L semi-static Poecilia reticulata	EC50 = 0.89 mg/L 5 min EC50 = 1.10 mg/L 15 min EC50 = 1.48 mg/L 30 min EC50 = 172 mg/L 24 h	EC50 48 h: = 0.6 mg/L Daphnia magna EC50 48 h: 7.9 - 14.1 mg/L Daphnia magna

### Bioaccumulation

No information available.

### Mobility

No information available.

### Persistence and degradability

NOT READILY BIODEGRADABLE.

Chemical Name	Partition coefficient
Cumene 98-82-8	3.55

**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.

<b>14. TRANSPORT INFORMATION</b>
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<b>Note:</b>	According to 49 CFR §173.150(f)(1), this material should be reclassified as NA1993, Combustible Liquid, NOS if it is shipped in bulk
<b>DOT</b>	Not regulated (If shipped in NON BULK packaging by ground transport)
<b>TDG</b>	
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
<b>MEX</b>	
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
<b>ICAO (air)</b>	
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
<b>IATA</b>	
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
<b>IMDG</b>	
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
<b>RID</b>	
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
<b>ADR</b>	
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

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

Component	TSCA	DSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Cumene 98-82-8 ( 0-5 )	X	X	Present		Present	X	Present	X	X
Benzene, 1,2-bis(1-methylethyl )- 577-55-9 ( 0-6 )	X		Present		Present				
Benzene, 1,4-bis(1-methylethyl )- 100-18-5 ( 0-50 )	X	X	Present		Present	X	-	-	-
1,3-Diisopropylbenzene 99-62-7 ( 50-100 )	X	X	Present		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**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<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, contains one or more substances regulated as a hazardous substance under the Comprehensive



Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Cumene 98-82-8	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Cumene - 98-82-8	Carcinogen

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

**International Regulations**

**Mexico - Grade**

No information available

Chemical Name	Carcinogenicity	Exposure Limits
Cumene		Mexico: TWA 50 ppm Mexico: TWA 245 mg/m <sup>3</sup> Mexico: STEL 75 ppm Mexico: STEL 365 mg/m <sup>3</sup>

**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
- D2A - Very toxic materials
- D2B - Toxic materials



Chemical Name	NPRI
Cumene	X

**16. OTHER INFORMATION**

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

\* = Chronic Health Hazard

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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