



Safety Data Sheet

US GHS

Revision date 29-Sep-2017

Version 3

Issue date No Data Available

1. PRODUCT AND COMPANY IDENTIFICATION

Product name META-DIISOPROPYL BENZENE (M-DIPB)
Safety data sheet number G0012
Alternate Name Meta DIPD
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 not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

FLAMMABLE LIQUIDS	Category 4
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EMERGENCY OVERVIEW

Signal Word WARNING		
Hazard Statements Combustible Liquid		
Appearance Clear	Odor Odorless	Physical State Liquid

Precautionary Statements

Prevention

Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Wear protective gloves/protective clothing/eye protection/face protection

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

0% of the mixture consists of ingredient(s) of unknown toxicity
No information available

3. Composition/information on Ingredients

Chemical name	CAS No	Weight-%
1,3-Diisopropylbenzene	99-62-7	99-100

4. First aid measures

FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Skin contact	Wash with soap and water.
INHALATION	IF exposed or concerned: Get medical advice/attention.
INGESTION	Not an expected route of exposure. Clean mouth with water and drink afterwards plenty of water. Drink plenty of water.

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: Water spray (fog). Carbon dioxide (CO2). Dry chemical.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Chemical

In the event of fire, cool tanks with water spray. Vapors may accumulate in confined areas (basement, tanks, hopper/tank cars, etc.). Vapors may travel to source of ignition and flash back.

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. Use personal protective equipment as required.

Environmental Precautions

Environmental Precautions Avoid release to the environment. Collect spillage. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment A vapor suppressing foam may be used to reduce vapors. 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). Sweep up and shovel into suitable containers for disposal.

7. Handling and Storage

Precautions for Safe Handling

Advice on safe handling Keep away from heat/sparks/open flames/hot surfaces. — No smoking. 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 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 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	Liquid	Odor	Odorless
Appearance	Clear		
Odor Threshold	No information available		

<u>Property</u>	<u>VALUES</u>	<u>Remarks • Method</u>
PH	Not Applicable	None known
Melting point/freezing point	No Data Available	None known

Boiling Point / Boiling Range	231 °C / 447.8 °F	None known
Flash Point	77 °C / 170.6 °F	Pensky-Martens Closed Cup (PMCC)
Evaporation Rate	Not Applicable	None known
Flammability (solid, gas)	No Data Available	None known
Upper flammability limits	No Data Available	
Lower Flammability Limit	No Data Available	
Vapor Pressure	2.3 mmHg@69C	None known
Vapor Density	Not Applicable	None known
Specific gravity	No Data Available	None known
Water Solubility	Slightly soluble	None known
Solubility in Other Solvents	No Data Available	None known
Partition Coefficient	No Data Available	None known
Autoignition Temperature	No Data Available	None known
Decomposition Temperature	No Data Available	None known

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

None known based on information supplied.

11. Toxicological Information

Information on Likely Routes of Exposure

Product information No acute toxicity information is available for this product

INHALATION No Data Available.

Eye Contact None known.

Skin contact None known.

INGESTION None known.

Component information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
1,3-Diisopropylbenzene 99-62-7	= 7400 mg/kg (Rat)	-	-

Information on Toxicological Effects

Symptoms None known.

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

Sensitization	This material is considered to be a contact sensitizer ("Magnusson-Kligman" - a guinea pig sensitization maximization test).
Germ Cell Mutagenicity	Not mutagenic in AMES Test.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP
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
The following values are calculated based on chapter 3.1 of the GHS document: .	
ATEmix (oral)	5051 mg/kg
ATEmix (dermal)	2020 mg/kg

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.

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

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 Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

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 NOT REGULATED

MEX NOT REGULATED

Hazard class 9

15. Regulatory Information

International Inventories

Component	TSCA	DSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
1,3-Diisopropylbenzene (99-62-7 (99-100))	X	X	Present		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

Acute Health Hazard	NO
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**

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

B3 - Combustible liquid



16. Other Information				
<u>NFPA</u>	Health Hazards 1	Flammability 2	Instability 0	Physical and chemical properties -
<u>HMIS</u>	Health Hazards 1	Flammability 2	Physical Hazards 0	PERSONAL PROTECTION -
Revision date	29-Sep-2017			
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				