



# SAFETY DATA SHEET

US GHS

Revision Date 29-Aug-2017

Version 5

Issue Date No data available

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** POLYSTAY 100 PASTILLE

**Safety data sheet number** G0092B

**Alternate Name** None

**Recommended Use** Rubber anti-oxidant

**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: +1-703-527-3887 (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 sensitization	Category 1
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### Emergency Overview

#### **Signal word**

Warning

#### **Hazard statements**

May cause an allergic skin reaction  
Very toxic to aquatic life with long lasting effects



**Appearance** blue brown

**Odor** Amines

**Physical state** Pastille

### Precautionary statements

#### **Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves

#### **Skin**

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

**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 Very toxic to aquatic life  
 0% of the mixture consists of ingredient(s) of unknown toxicity  
 Very toxic to aquatic life Very toxic to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
N,N`-Phenyl and Toly-p-Phenylene Diamine Derivs., Mixed	68953-84-4	100

### 4. FIRST AID MEASURES

**First aid measures**

<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids Keep eye wide open while rinsing If eye irritation persists: Get medical advice/attention
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water Wash contaminated clothing before reuse If skin irritation or rash occurs: Get medical advice/attention
<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors.
<b>Ingestion</b>	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** May cause sensitization of susceptible persons

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** None.

**Specific hazards arising from the chemical**

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Very toxic to aquatic life. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**Hazardous combustion products** Carbon oxides. Nitrogen oxides (NOx).

**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 creating dust. Use personal protective equipment as required. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing.

**Environmental precautions**

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Cover with plastic sheet to prevent spreading.

**Methods for cleaning up** Use personal protective equipment as required. Avoid creating dust. Take up mechanically, placing in appropriate containers for disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing. Avoid creating dust. Use personal protective equipment as required.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed in a dry 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** 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** Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical state</b>	Pastille		
<b>Appearance</b>	blue brown	<b>Odor</b>	Amines
<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>	90-101 °C / 194-213.8 °F	None known
<b>Boiling point / boiling range</b>	350 °C	None known
<b>Flash point</b>		None known
<b>Evaporation rate</b>	Not applicable	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<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>	Not applicable	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

**Other Information**

<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**

None known.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

Carbon oxides. Nitrogen oxides (NOx).

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	No data available.
<b>Eye contact</b>	May cause slight irritation.
<b>Skin Contact</b>	May cause irritation. May cause sensitization by skin contact.

**Ingestion**

No known effect.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
N,N'-Phenyl and Toly-p-Phenylene Diamine Derivs., Mixed 68953-84-4	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-

**Information on toxicological effects****Symptoms**

rash.

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

<b>Skin corrosion/irritation</b>	Mild skin irritation.
<b>Serious eye damage/eye irritation</b>	Dust contact with the eyes can lead to mechanical irritation.
<b>Sensitization</b>	May cause sensitization by skin contact. Guinea pig.
<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>	None under normal use conditions.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic toxicity</b>	No information available.
<b>Aspiration hazard</b>	Not applicable.

**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:** .

## 12. ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO.

**Ecotoxicity**

Toxic to aquatic organisms Very toxic to aquatic life with long lasting effects

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

Chemical Name	Toxicity to Fish	Toxicity to Algae	Daphnia magna (Water Flea)	Toxicity to microorganisms
N,N'-Phenyl and Toly-p-Phenylene Diamine Derivs., Mixed 68953-84-4	LC50 96h = 0.48 mg/L Oncorhynchus mykiss LC50 96h = >0.67 mg/L Cyprinus carpio	EC50 72h growth rate = > 0.079 mg/L Selanastrum capricornutum	EC50 48h = >1.1 - <= 1.8 mg/L Daphnia magna EC10 21d reproduction = 0.0045 mg/L daphnia magna EC10 21d survival = 0.027 mg/L Daphnia magna	

**Bioaccumulation**

Bioaccumulative potential. BCF value for the constituent present in the substance range from <100 to ca. 8700 in a bioaccumulation study on carp.

**Mobility**

No information available.

**Persistence and degradability**

NOT READILY BIODEGRADABLE.

Chemical Name	Partition coefficient
N,N'-Phenyl and Toly-p-Phenylene Diamine Derivs., Mixed 68953-84-4	4.72-5.13

**Other adverse effects**

No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

<b>Disposal of wastes</b>	This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261)
<b>Contaminated packaging</b>	Do not reuse container.

**14. TRANSPORT INFORMATION**

**Note:** Per 49 CFR 172.504(f)(9) – A Class 9 Placard is not required for Domestic Transportation. However, BULK packaging must be marked with the appropriate UN Identification Number on a CLASS 9 label (white square on point display). Per 49 CFR 383.5, a driver of a commercial motor vehicle transporting a CLASS 9 Hazardous Material that is exempted from placarding for domestic transportation, is NOT required to obtain a Hazardous Materials Endorsement to his or her CDL.

**DOT**

<b>UN/ID No</b>	UN3077
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Marine pollutant</b>	This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO.
<b>Description</b>	UN3077, Environmentally hazardous substance, solid, n.o.s. (N,N'-Phenyl and Toly-p-phenylene, mixed deriv.), 9,III

**TDG**

<b>UN/ID No</b>	UN3077
<b>Proper shipping name</b>	Environmentally Hazardous Substance, solid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Description</b>	UN3077, Environmentally hazardous substance, solid, n.o.s. (N,N'-Phenyl and Toly-p-phenylene, mixed deriv.), 9,III

**MEX**

<b>UN/ID No</b>	UN3077
<b>Proper shipping name</b>	Environmentally Hazardous Substance, solid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Description</b>	UN3077, Environmentally hazardous substance, solid, n.o.s. (N,N'-Phenyl and Toly-p-phenylene, mixed deriv.), 9,III

**ICAO (air)**

<b>UN/ID No</b>	UN3077
<b>Proper shipping name</b>	Environmentally Hazardous Substance, solid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Description</b>	UN3077, Environmentally hazardous substance, solid, n.o.s. (N,N'-Phenyl and Toly-p-phenylene, mixed deriv.), 9,III

**IATA**

<b>UN/ID No</b>	UN3077
<b>Proper shipping name</b>	Environmentally Hazardous Substance, solid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>ERG Code</b>	9L
<b>Description</b>	UN3077, Environmentally hazardous substance, solid, n.o.s. (N,N'-Phenyl and Toly-p-phenylene, mixed deriv.), 9,III

**IMDG**

<b>UN/ID No</b>	UN3077
<b>Proper shipping name</b>	Environmentally Hazardous substance, solid, N.O.S.

**Hazard Class** 9  
**Packing Group** III  
**EmS-No** F-A, S-F  
**Marine pollutant** This material meets the definition of a marine pollutant  
**Description** UN3077, Environmentally hazardous substance, solid, n.o.s. (N,N'-Phenyl and Toly-p-phenylene, mixed deriv.), 9,III, Marine Pollutant

**RID**

**UN/ID No** UN3077  
**Proper shipping name** Environmentally Hazardous Substance, solid, n.o.s.  
**Hazard Class** 9  
**Packing Group** III  
**Classification code** M7  
**Description** UN3077, Environmentally hazardous substance, solid, n.o.s. (N,N'-Phenyl and Toly-p-phenylene, mixed deriv.), 9,III

**ADR**

**UN/ID No** UN3077  
**Proper shipping name** Environmentally Hazardous Substance, solid, n.o.s.  
**Hazard Class** 9  
**Packing Group** III  
**Classification code** M7  
**Tunnel restriction code** (E)  
**Description** UN3077, Environmentally hazardous substance, solid, n.o.s. (N,N'-Phenyl and Toly-p-phenylene, mixed deriv.), 9,III  
**Labels** 9

**ADN**

**UN/ID No** UN3077  
**Proper shipping name** Environmentally Hazardous Substance, solid, n.o.s.  
**Hazard Class** 9  
**Packing Group** III  
**Classification code** M7  
**Special Provisions** 274, 335, 601  
**Description** UN3077, Environmentally hazardous substance, solid, n.o.s. (N,N'-Phenyl and Toly-p-phenylene, mixed deriv.), 9,III  
**Limited quantity (LQ)** 5 kg

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

Component	TSCA	DSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
N,N'-Phenyl and Toly-p-Phenylene Diamine Derivs., Mixed 68953-84-4 ( 100 )	X	X	Present		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	Yes
Chronic Health Hazard	Yes
Fire hazard	No
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 contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Aniline - 62-53-3	Carcinogen

**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**

Slight risk, Grade 1

**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**

D2B - Toxic materials



<b>16. OTHER INFORMATION</b>				
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<b>NFPA</b>	Health hazards 2	Flammability 0	Instability 0	Physical and Chemical Properties -
<b>HMIS</b>	Health hazards 2*	Flammability 0	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