



SAFETY DATA SHEET

US GHS

Revision Date 17-Dec-2015

Version 3

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



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

Eye contact	Rinse thoroughly with plenty of water, also under the eyelids Keep eye wide open while rinsing If eye irritation persists: Get medical advice/attention
Skin Contact	Wash off immediately with soap and plenty of water Wash contaminated clothing before reuse If skin irritation or rash occurs: Get medical advice/attention
Inhalation	Move to fresh air in case of accidental inhalation of vapors.
Ingestion	Not an expected route of exposure. Clean mouth with water and drink afterwards plenty of water. Drink plenty of water.

Indication of any immediate medical attention and special treatment needed

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 If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

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

Physical state	Pastille	Odor	Amines
Appearance	blue brown		
Odor threshold	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not applicable	None known
Melting point/freezing point	90-101 °C / 194-213.8 °F	None known
Boiling point / boiling range	350 °C	None known
Flash point		None known
Evaporation rate	Not applicable	None known
Flammability (solid, gas)	No data available	None known
None known		None known
Vapor pressure	Not applicable	None known
Vapor density	Not applicable	None known
Specific Gravity	No data available	None known
Water solubility	insoluble	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

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

Inhalation	No data available.
Eye contact	May cause slight irritation.
Skin Contact	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

Skin corrosion/irritation Mild skin irritation.
Serious eye damage/eye irritation Dust contact with the eyes can lead to mechanical irritation.
Sensitization May cause sensitization by skin contact. Guinea pig.
Germ cell mutagenicity No information available.
Carcinogenicity No information available
Reproductive toxicity No information available.
STOT - single exposure None under normal use conditions.
STOT - repeated exposure No information available.
Chronic toxicity No information available.
Aspiration hazard 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

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 Algae	Toxicity to Fish	Toxicity to microorganisms	Daphnia magna (Water Flea)
N,N'-Phenyl and Toly-p-Phenylene Diamine Derivs., Mixed 68953-84-4	EC50 72h growth rate = > 0.079 mg/L Selanastrum capricornutum	LC50 96h = 0.48 mg/L Oncorhynchus mykiss LC50 96h = >0.67 mg/L Cyprinus carpio		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

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.

14. TRANSPORT INFORMATION**DOT**

Not regulated

TDG

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

MEX

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

ICAO (air)

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

IATA

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

IMDG

UN/ID No	UN3077
Proper shipping name	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 Number 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

15. REGULATORY INFORMATION

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 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

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



16. OTHER INFORMATION

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

* = Chronic Health Hazard

Revision Date 17-Dec-2015

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