



SAFETY DATA SHEET

Issue Date No data available

Revision Date 15-Apr-2013

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name POLYSTAY 100

Safety data sheet number G0092

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 (USA) 1.800.424.9300
Canutec (Canada) 1.613-996-6666

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization	Category 1
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Label elements

Emergency Overview

Warning

Hazard statements

May cause an allergic skin reaction



Appearance blue brown

Physical state Flake

Odor Amines

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

Precautionary Statements - 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.

Other Information

0% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Chemical Additions

Composition may vary due to batch process.

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

Clean mouth with water and drink afterwards plenty of water.

Self-protection of the first aider

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

Most important symptoms and effects, both acute and delayed**Symptoms**

May cause allergic skin reaction.

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**

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

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 contact with skin, eyes or clothing. Do not touch or walk through spilled material.

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 creating dust. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Wash thoroughly after handling.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Flake	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
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	
VOC Content (%)	1.89999997615814	
Density	No information available	
Bulk density	No information available	

10. STABILITY AND REACTIVITY

Reactivity

No data available

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	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	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 .	
Oral LD50	> 5000 mg/kg (rat)
Dermal LD50	> 2000 mg/kg (rabbit)

12. ECOLOGICAL INFORMATIONEcotoxicity

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 Selenastrum 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	4.39

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
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
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
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
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
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
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	
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	273-227-8		(3)-146 (3)-145	X	KE-02180	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	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 X
	* = Chronic Health Hazard			

Revision Date 15-Apr-2013

Revision Note
No information available

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