

Version 2.5 PRD	Revision Date: 05/24/2022	15	DS Number: 0000093094 ISUS / Z8/ 0530	Date of last issue: 03/30/2022 Date of first issue: 09/06/2016		
SECTION	1. IDENTIFICATION					
Produ	uct name	:	Santoflex(TM) 6PPD Pastilles			
Produ	Product code		34057-00, P3405721, P3405702, P3405705, P3405715, P3405716, P3405718, P3405719, P3405720, E3405701			
	ufacturer or supplier's					
Comp	Company name of supplier		Flexsys America	L.P.		
Addre	Address		260 Springside Drive Akron OH 44333-2433			
Emer	Emergency telephone		CHEMTREC: +	1 703-741-5970		
Reco	mmended use of the	chen	nical and restricti	ons on use		
Reco	mmended use	:	antioxidant (indu Stabilizer	strial)		
Restr	ictions on use	:	None known.			
SECTION	2. HAZARDS IDENTIF		ΓΙΟΝ			

#### SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accord 1910.1200)	dan	ce with the OSHA Hazard Communication Standard (29 CFR
Acute toxicity (Oral)	:	Category 4
Skin sensitization	:	Category 1
Reproductive toxicity	:	Category 1B
GHS label elements Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	H302 Harmful if swallowed. H317 May cause an allergic skin reaction. H360 May damage fertility or the unborn child.
Precautionary Statements	:	<b>Prevention:</b> P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read



ersion .5 RD	Revision Date: 05/24/2022	SDS Number: 150000093094 SDSUS / Z8 / 0530	Date of last issue: 03/30/2022 Date of first issue: 09/06/2016
		P264 Wash ski P270 Do not ea P272 Contamin the workplace.	athing dust/ fume/ gas/ mist/ vapors/ spray. in thoroughly after handling. at, drink or smoke when using this product. lated work clothing should not be allowed out of tective gloves/ protective clothing/ eye protection/
		Response:	
		CENTER/ docto P302 + P352 IF P308 + P313 IF attention. P333 + P313 If attention.	P330 IF SWALLOWED: Call a POISON or if you feel unwell. Rinse mouth. ON SKIN: Wash with plenty of soap and water. exposed or concerned: Get medical advice/ skin irritation or rash occurs: Get medical advice/ ntaminated clothing before reuse.
		Storage:	
		P405 Store locl	ked up.
		<b>Disposal:</b> P501 Dispose o posal plant.	of contents/ container to an approved waste dis-
Other	r hazards		
•	known.		

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
N-1,3-Dimethylbutyl-N'-phenyl-p-	793-24-8	>= 95 - <= 100
phenylenediamine		

Actual concentration is withheld as a trade secret

Flexsys is committed to the safety, health and environment of our employees, our customers, and the communities we operate within. As part of this commitment, Flexsys' Safety Data Sheets (SDS) are prepared in accordance with all applicable national and local regulations. The compositions of our documents reflect these requirements which include, but are not limited to, requirements under the Globally Harmonized System of Classification and Labeling (GHS). These compositions commonly involve the use of ranges versus specific analytical values. If you require a composition that is more specific , please refer to the Certificate of Analysis, sales specification, or contact your Customer Service Representative.

#### SECTION 4. FIRST AID MEASURES



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lf inf	naled	:	breathing.	o fresh air and keep comfortable for cult, give oxygen. an if necessary.
In ca	ase of skin contact	:	removing all contails and a ll contails and a ll contail a	ately with soap and plenty of water while aminated clothes and shoes. rash occurs: Get medical advice/ attention. ed clothing before reuse.
In ca	ase of eye contact	:	for at least 15 mir	t, immediately flush eyes with plenty of water nutes. tion if symptoms occur.
lf sw	vallowed	:	Do not induce vor personnel.	tion if symptoms occur. niting unless directed to do so by medical ng by mouth to an unconscious person.
	t important symptoms effects, both acute and yed	:	-	ved. ergic skin reaction. lity or the unborn child.
Note	es to physician	:	Treat symptomati	cally.

### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Foam Dry powder Carbon dioxide (CO2)
Unsuitable extinguishing media	:	Do not use a solid water stream as it may scatter and spread fire.
Specific hazards during fire fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion prod- ucts	:	Carbon oxides Nitrogen oxides (NOx)
Further information	:	In case of fire and/or explosion do not breathe fumes.
Special protective equipment for fire-fighters	:	Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- :	Wear appropriate personal protective equipment.
tive equipment and emer-	Avoid prolonged or repeated contact with skin.
gency procedures	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.



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				e slippery conditions. should be advised if significant spillages
Environmental precautions		utions :	Prevent further lea Avoid release to the Collect spillage.	akage or spillage if safe to do so. he environment.
Methods and materials for containment and cleaning up			Sweep up and shovel into suitable containers for disposal.	

#### SECTION 7. HANDLING AND STORAGE

Advice on safe handling	:	Wear appropriate personal protective equipment. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. Drain or remove substance from equipment prior to break-in or maintenance. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace.
Conditions for safe storage	:	Keep containers tightly closed in a dry, cool and well- ventilated place.

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values. Contains no substances with occupational exposure limit values.

Engineering measures : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

#### Personal protective equipment

Respiratory protection	Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where
	concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where



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			e limits have not been established), an approved r must be worn.
Hand	protection		
Re	emarks	After cor immedia	nged or repeated contact use protective gloves. tamination with product change the gloves tely and dispose of them according to relevant and local regulations.
Еуе р	protection	be used to avoid	vewear complying with an approved standard should when a risk assessment indicates this is necessary exposure to liquid splashes, mists, gases or dusts. fety glasses with side shields (or goggles).
Skin a	and body protection	selected involved handling	protective equipment for the body should be based on the task being performed and the risks and should be approved by a specialist before this product. and wash contaminated clothing before re-use.
Prote	ctive measures		hat eye flushing systems and safety showers are close to the working place.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Pastilles
Color	:	purple, brown
Odor	:	aromatic
Odor Threshold	:	not determined
рН	:	not determined
Melting point/range	:	120 °F / 49 °C (1,013 hPa)
Boiling point/boiling range	:	325 - 329 °F / 163 - 165 °C (1.33 hPa)
Flash point	:	396 °F / 202 °C (1,013 hPa) Method: Pensky-Martens closed cup
Evaporation rate	:	not determined
Flammability (solid, gas)	:	Not classified as hazardous.



# Santoflex(TM) 6PPD Pastilles

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	Upper explosion limit / Upper flammability limit Lower explosion limit / Lower flammability limit		:	not determined			
			:	: not determined			
	Vapor	pressure	:	0.000036 hPa (77 °F / 25 °C)			
	Relative	e vapor density	: not determined				
	Relative	e density	:	<ul> <li>0.995 (122 °F / 50 °C)</li> <li>995 kg/m3 (122 °F / 50 °C)</li> </ul>			
	Density	/	:				
	Solubility(ies) Water solubility Solubility in other solvents Partition coefficient: n- octanol/water Autoignition temperature		:	0.001 g/l (122 °F	7 / 50 °C)		
			:	soluble Solvent: Hydroca	rbons		
			:	log Pow: 4.68 (68	3 °F / 20 °C)		
			:	1022 °F / 550 °C Method: VDI 226 Dust	3 Blatt 1 2.6		
	Decom	position temperature	:	> 392 °F / 200 °C	;		
	Viscosity Viscosity, kinematic		:	not determined			
	Explos	ive properties	:	Not classified			
	Oxidizi	ng properties	:	Not classified			
	Molecu	lar weight	:	268.44 g/mol			

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	None reasonably foreseeable.	
Chemical stability	:	Stable under normal conditions.	
Possibility of hazardous reac- tions	:	None known.	
Conditions to avoid	:	Heating in air.	
Incompatible materials	:	Strong acids Strong oxidizing agents	
Hazardous decomposition	:	Emits acrid smoke and fumes when heated to decomposition.	



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produ	cts					
ECTION	11. TOXICOLOGICA	L INFORMATION				
	e toxicity ful if swallowed.					
<u>Produ</u>	uct:					
	oral toxicity	: LD50 Oral (Rat)	: 893 mg/kg			
Acute	e dermal toxicity	: LD50 Dermal (F	Rabbit): > 7,940 mg/kg			
<u>Comp</u>	oonents:					
N-1,3-	-Dimethylbutyl-N'-ph	enyl-p-phenylenediar	nine:			
	e oral toxicity					
Acute	e dermal toxicity	: LD50 Dermal (F	Rabbit): > 7,940 mg/kg			
Skin corrosion/irritation Not classified based on available information.						
Product:						
Speci	es	: Rabbit				
	sure time	: 72 h				
Resul	t	: No skin irritatior	1			
<u>Comp</u>	<u>oonents:</u>					
N-1,3∙	-Dimethylbutyl-N'-ph	enyl-p-phenylenediar	nine:			
Speci						
Expos Resul	sure time	: 72 h : No skin irritatior				
Resul	l.	. NO SKITIMATO	I			
	ous eye damage/eye lassified based on ava					
		anable mormation.				
Produ						
Speci Resul		: Rabbit : slight				
	sure time	: 72 h				
-	<u>oonents:</u>					
<u>Comp</u>		onvl-n-nhonvlonodiar	nine			
	-Dimethylbutyl-N'-ph	enyi-p-prienyieneulai				
<b>N-1,3</b> ∙ Speci	es	: Rabbit				
<b>N-1,3</b> ∙ Speci Resul	es					



## Santoflex(TM) 6PPD Pastilles

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#### Respiratory or skin sensitization

#### Skin sensitization

May cause an allergic skin reaction.

#### Respiratory sensitization

Not classified based on available information.

#### Product:

Test Type Species Result	:	Skin sensitization Guinea pig May cause sensitization by skin contact.
Test Type Result		Human experience May cause sensitization by skin contact.

#### Components:

#### N-1,3-Dimethylbutyl-N'-phenyl-p-phenylenediamine:

Species	:	Skin sensitization Guinea pig May cause sensitization by skin contact.
		Human experience May cause sensitization by skin contact.

#### Germ cell mutagenicity

Not classified based on available information.

#### Product:

Genotoxicity in vitro :		Test Type: Mutagenicity - Bacterial Metabolic activation: +/- activation Method: Bacterial Reverse Mutation Assay Result: negative
		Metabolic activation: +/- activation Method: In vitro Mammalian Chromosome Aberration Test Result: positive
Genotoxicity in vivo	:	Test Type: various Species: Rat Result: negative

#### **Components:**

#### N-1,3-Dimethylbutyl-N'-phenyl-p-phenylenediamine:

Genotoxicity in vitro	: Test Type: Mutagenicity - Bacterial Metabolic activation: +/- activation Method: Bacterial Reverse Mutation Assay Result: negative

Metabolic activation: +/- activation Method: In vitro Mammalian Chromosome Aberration Test



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				Result: positive			
	Genotoxicity in vivo		:	: Test Type: various Species: Rat Result: negative			
	Carcinoge Not classif	enicity ied based on availa	ble	information.			
	Product:						
	Species		:	Rat, male and fem	nale		
	Application Method	n Route	:	Ingestion OECD Test Guide	line 451		
	Remarks		:		e data, the classification criteria are not met.		
	<u>Compone</u>	<u>nts:</u>					
	N-1,3-Dim	ethylbutyl-N'-phen	yl-p	-phenylenediamir	ne:		
	Species	Devite	:	Rat, male and fem	nale		
	Application Method	n Route	:	Ingestion OECD Test Guide	line 451		
	Remarks		:		e data, the classification criteria are not met.		
	identified as proOSHANo component on on OSHA's list ofNTPNo ingredient of			of this product present at levels greater than or equal to 0.1% is obable, possible or confirmed human carcinogen by IARC.			
				of this product present at levels greater than or equal to 0.1% is of regulated carcinogens. of this product present at levels greater than or equal to 0.1% is known or anticipated carcinogen by NTP.			
	Reproduc	tive toxicity					
	-	ge fertility or the un	borr	n child.			
	Product:						
	Effects on	fertility	:	Species: Rat, male Application Route:			
					Parent: NOAEL: 60 mg/kg/day		
					1: NOAEL: 60 mg/kg/day		
				Fertility: NOAEL: 6			
				Early Embryonic Development: NOAEL: 20 mg/kg/da Method: OECD Test Guideline 443			
				Species: Rat, fema	ale		
				Application Route:	Oral		
					Parent: NOAEL: 60 mg/kg/day 51: NOAEL: 60 mg/kg/day		
				Fertility: NOAEL: 7			
				Early Embryonic Development: NOAEL: 20 mg/kg/day Method: OECD Test Guideline 443			



#### Components:

#### N-1,3-Dimethylbutyl-N'-phenyl-p-phenylenediamine:

Effects on fertility	: Species: Rat, male
	Application Route: Oral
	General Toxicity Parent: NOAEL: 60 mg/kg/day
	General Toxicity F1: NOAEL: 60 mg/kg/day
	Fertility: NOAEL: 60 mg/kg/day
	Early Embryonic Development: NOAEL: 20 mg/kg/day
	Method: OECD Test Guideline 443

Species: Rat, female Application Route: Oral General Toxicity Parent: NOAEL: 60 mg/kg/day General Toxicity F1: NOAEL: 60 mg/kg/day Fertility: NOAEL: 7 mg/kg/day Early Embryonic Development: NOAEL: 20 mg/kg/day Method: OECD Test Guideline 443

#### STOT-single exposure

Not classified based on available information.

#### Components:

#### N-1,3-Dimethylbutyl-N'-phenyl-p-phenylenediamine:

Assessment : Not classified

### STOT-repeated exposure

Not classified based on available information.

#### Components:

#### N-1,3-Dimethylbutyl-N'-phenyl-p-phenylenediamine:

Assessment : Not classified

#### Repeated dose toxicity

#### Components:

#### N-1,3-Dimethylbutyl-N'-phenyl-p-phenylenediamine:

Species NOAEL Application Route Exposure time	:	Rat, male and female 20 mg/kg by gavage 28 days
Species NOAEL Application Route Exposure time	:	Rat, male and female 13.5 mg/kg in feed 2 year

#### Aspiration toxicity

Not classified based on available information.



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Expe	rience with human exp	osu	ire				
Produ	uct:						
Inhala		:	Remarks: None	known.			
Skin d	contact	:	Remarks: May cause an allergic skin reaction.				
Eye c	ontact	:	Remarks: None known.				
Ingestion		:	Remarks: Harmful if swallowed.				
ECTION	12. ECOLOGICAL INFO	ORN	IATION				
Ecoto	xicity						
<u>Produ</u>	<u>uct:</u>						
Toxici	ty to fish	:	LC50 (Oryzias I Exposure time:	atipes (Japanese medaka)): 0.028 mg/l 96 h			
		:		magna (Water flea)): 0.13 mg/l			
aquatic invertebrates			Exposure time: Remarks: Read	across from a similar material			
	ty to algae/aquatic	:	•	irchneriella subcapitata (green algae)): 0.335			
plants			mg/l Exposure time: Remarks: Read	72 h -across from a similar material			
			NOEC: 0.23 mg				
			Exposure time: Remarks: Read	72 h -across from a similar material			
Toxici icity)	ty to fish (Chronic tox-	:	NOEC (Oryzias Exposure time:	latipes (Japanese medaka)): 0.0037 mg/l 30 d			
	ty to daphnia and other	:		magna (Water flea)): 0.007 mg/l			
•	aquatic invertebrates (Chron- ic toxicity)		Exposure time: 21 d Remarks: Read-across from a similar material				
<u>Comp</u>	oonents:						
N-1,3-	Dimethylbutyl-N'-phen	yl-p	-phenylenedian	nine:			
Toxici	ty to fish	:	LC50 (Oryzias I Exposure time:	atipes (Japanese medaka)): 0.028 mg/l 96 h			
		:		magna (Water flea)): 0.13 mg/l			
aquati	ic invertebrates		Exposure time: Remarks: Read	48 n -across from a similar material			
	ty to algae/aquatic	:	•	irchneriella subcapitata (green algae)): 0.335			
plants			mg/I Exposure time:	72 h			



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			Remarks: Read-across from a similar material
			NOEC: 0.23 mg/l Exposure time: 72 h Remarks: Read-across from a similar material
Toxici icity)	ty to fish (Chronic tox-	:	NOEC (Oryzias latipes (Japanese medaka)): 0.0037 mg/l Exposure time: 30 d
	ty to daphnia and other ic invertebrates (Chron- city)	:	NOEC (Daphnia magna (Water flea)): 0.007 mg/l Exposure time: 21 d Remarks: Read-across from a similar material
Persi	stence and degradabil	ity	
Produ	<u>uct:</u>		
Biode	gradability	:	Method: Ready Biodegradability: Modified MITI Test (I) Remarks: Not readily biodegradable.
Stabil	Stability in water		Degradation half life: 2.9 h Hydrolysis: at 75 °F / 24 °C
<u>Comp</u>	oonents:		
N-1 3	-Dimethylbutyl-N'-phen	vl-r	-nhenvlenediamine:
	gradability	ур :	Method: Ready Biodegradability: Modified MITI Test (I) Remarks: Not readily biodegradable.
Stabil	ity in water	:	Degradation half life: 2.9 h Hydrolysis: at 24 °C
Bioad	cumulative potential		
Produ	uct:		
Bioac	cumulation	:	Bioconcentration factor (BCF): 569 Remarks: Bioaccumulation is unlikely.
<u>Comp</u>	oonents:		
N-1,3-	-Dimethylbutyl-N'-phen	yl-p	-phenylenediamine:
Bioac	cumulation	:	Bioconcentration factor (BCF): 569 Remarks: Bioaccumulation is unlikely.
	on coefficient: n- ol/water	:	log Pow: 4.68 (68 °F / 20 °C)
Mobil	lity in soil		
<u>Produ</u>	<u>uct:</u>		
	bution among environ- al compartments	:	log Koc: 3.45 Method: QSAR model
			12 / 16



#### Components:

#### N-1,3-Dimethylbutyl-N'-phenyl-p-phenylenediamine:

Distribution among environ-	:	log Koc: 3.45
mental compartments		Method: QSAR model

:

#### Other adverse effects

No data available

#### SECTION 13. DISPOSAL CONSIDERATIONS

#### **Disposal methods**

Waste from residues

Dispose of in accordance with local regulations.

#### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

IATA-DGR		
UN/ID No.	:	UN 3077
Proper shipping name	:	Environmentally hazardous substance, solid, n.o.s. (N-1,3-Dimethylbutyl-N'-phenyl-p-phenylenediamine)
Class	:	9
Packing group	:	
Labels	:	Miscellaneous
Packing instruction (cargo aircraft)	:	956
Packing instruction (passen- ger aircraft)	:	956
IMDG-Code		
UN number	:	UN 3077
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
		(N-1,3-Dimethylbutyl-N'-phenyl-p-phenylenediamine)
Class	:	9
Packing group	:	
Labels	:	9
EmS Code	:	F-A, S-F
Marine pollutant	:	yes

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### Domestic regulation

#### 49 CFR

Not regulated as a dangerous good Remarks : Shipping in package sizes of less than 5 L (liquids) or 5 KG (solids) may lead to a non-regulated classification.



#### Special precautions for user

Remarks

Shipping in package sizes of less than 5 L (liquids) or 5 KG (solids) may lead to a non-regulated classification.

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### SECTION 15. REGULATORY INFORMATION

#### **CERCLA** Reportable Quantity

This material does not contain any components with a CERCLA RQ.

:

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	Respiratory or skin sensitization Reproductive toxicity Acute toxicity (any route of exposure)
SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:				
TCSI	:	On the inventory, or in compliance with the inventory		
TSCA	:	All substances listed as active on the TSCA inventory		
AICS	:	On the inventory, or in compliance with the inventory		
DSL	:	All components of this product are on the Canadian DSL		
ENCS	:	On the inventory, or in compliance with the inventory		
ISHL	:	On the inventory, or in compliance with the inventory		
KECI	:	On the inventory, or in compliance with the inventory		
PICCS	:	On the inventory, or in compliance with the inventory		
IECSC	:	On the inventory, or in compliance with the inventory		
NZIoC	:	On the inventory, or in compliance with the inventory		



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#### TSCA list

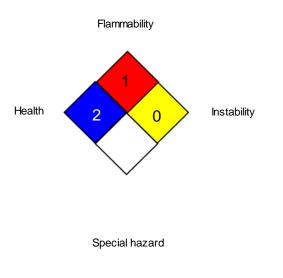
No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

#### SECTION 16. OTHER INFORMATION

#### Further information





#### HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

#### Full text of other abbreviations

AllC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC -International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable



## Santoflex(TM)6PPD Pastilles

Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substances Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to	:	Chemical Safety Report
compile the Material Safety		
Data Sheet		

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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.

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