

Versio 8.6				DS Number: 125-00016	Date of last issue: 03/23/2020 Date of first issue: 01/23/2015		
SECT	ION 1	. IDENTIFICATION					
Product name : Carbidopa / Levodopa Formulation							
Μ	lanufa	acturer or supplier's	deta	ails			
				Organon & Co. 30 Hudson Street, 33nd floor Jersey City, New Jersey, U.S.A 07302 551-430-6000 215-631-6999 EHSSTEWARD@organon.com			
R	Recom	mended use of the c	hen	nical and restriction	ons on use		
R	Recom	mended use	:	Pharmaceutical			
SECT	ION 2	. HAZARDS IDENTIFI	CA	ΓΙΟΝ			
19	910.1	200)	dan	ce with the OSHA	Hazard Communication Standard (29 CFR		
С	Combu	stible dust					
A	cute t	oxicity (Oral)	:	Category 4			
R	Reprod	luctive toxicity	:	Category 2			
	Specific target organ toxicity - repeated exposure (Oral)		:	Category 1 (Central nervous system)			
G	HS la	bel elements					
Н	lazard	pictograms	:		!>		
S	Signal	Word	:	Danger			
Н			If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air. H302 Harmful if swallowed. H361d Suspected of damaging the unborn child. H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure if swallowed.				
Ρ	recau	tionary Statements	:		cial instructions before use. dle until all safety precautions have been read		

and understood. P260 Do not breathe dust.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves, protective clothing, eye protection and face protection.



>= 1 - < 5

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		unwell. Rinse i	Response: P301 + P312 + P330 IF SWALLOWED: Call a doctor if you feel unwell. Rinse mouth. P308 + P313 IF exposed or concerned: Get medical attention.					
		Storage: P405 Store locked up.						
		Disposal: P501 Dispose disposal plant.	P501 Dispose of contents and container to an approved waste					
Other hazards Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin.								
CTION	3. COMPOSITION/I	NFORMATION ON INC	GREDIENTS					
Subs	tance / Mixture	: Mixture						
Com	ponents							
Chem	nical name	CAS-No.	Concentration (% w/w)					
Levo	dopa	59-92-7	>= 70 - < 90					
Carbi	idopa	38821-49-	7 >= 10 - < 20					
Cellu	lose	9004-34-6	>= 1 - < 5					
Starc	h	9005-25-8	>= 1 - < 5					

557-04-0

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

Magnesium stearate

General advice	a N	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled		lf inhaled, remove to fresh air. Get medical attention.
In case of skin contact	C F C V	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	: I	If in eyes, rinse well with water. Get medical attention if irritation develops and persists.
If swallowed	: l' C F	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	: H S	Harmful if swallowed. Suspected of damaging the unborn child. Causes damage to organs through prolonged or repeated



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Protection of first-aiders Notes to physician		:	 exposure if swallowed. Contact with dust can cause mechanical irritation of the skin. Dust contact with the eyes can lead to mechanical i First Aid responders should pay attention to self-proand use the recommended personal protective equivalent the potential for exposure exists (see section Treat symptomatically and supportively. 		
SECTION	5. FIRE-FIGHTING ME	ASL	JRES		
	Suitable extinguishing media		Water spray Alcohol-resistant Carbon dioxide (0 Dry chemical		
Unsui media	table extinguishing	:	None known.		
Speci	Specific hazards during fire fighting		concentrations, a potential dust exp	dust; fine dust dispersed in air in sufficient nd in the presence of an ignition source is a plosion hazard. bustion products may be a hazard to health.	
Hazaı ucts	dous combustion prod-	:	Carbon oxides Metal oxides		
Speci ods	Specific extinguishing meth- ods		Use extinguishing measures that are appropriate to local cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe so. Evacuate area.		
Special protective equipment for fire-fighters			 In the event of fire, wear self-contained breathing appa Use personal protective equipment. 		

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- : tive equipment and emer- gency procedures	Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
Environmental precautions :	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for : containment and cleaning up	Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items



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		determine white Sections 13 ar	ne cleanup of releases. You will need to ch regulations are applicable. Ind 15 of this SDS provide information regarding r national requirements.			
SECTION	7. HANDLING AND ST	ORAGE				
Tech	nical measures	 Static electricity may accumulate and ignite suspended du causing an explosion. Provide adequate precautions, such as electrical groundin and bonding, or inert atmospheres. 				
	/Total ventilation æ on safe handling	 Use only with a Do not breathed Do not swallow Avoid contact Avoid prolonge Wash skin tho Handle in accord practice, based assessment Minimize dust Keep containe Keep away fro Take precaution Do not eat, drive 	adequate ventilation. e dust. v.			
Cond	itions for safe storage	Store locked u	•			
Mater	rials to avoid					

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

	-			
Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Levodopa	59-92-7	TWA	500 µg/m3 (OEB 2)	Internal
Carbidopa	38821-49-7	TWA	2,000 μg/m3 (OEB 1)	Internal
Cellulose	9004-34-6	TWA	10 mg/m ³	ACGIH
		TWA (Res- pirable)	5 mg/m ³	NIOSH REL
		TWA (total)	10 mg/m ³	NIOSH REL
		TWA (total dust)	15 mg/m ³	OSHA Z-1



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			TWA (respir- able fraction)	5 mg/m³	OSHA Z-			
Starc	h	9005-25-8	TWA	10 mg/m ³	ACGIH			
			TWA (Res- pirable)	5 mg/m ³	NIOSH F			
			TWA (total)	10 mg/m ³	NIOSH R			
			TWA (total dust)	15 mg/m ³	OSHA Z-			
			TWA (respir- able fraction)	5 mg/m³	OSHA Z-			
Magn	esium stearate	557-04-0	TWA (Inhal- able particu- late matter)	10 mg/m³	ACGIH			
			TWA (Res- pirable par- ticulate mat- ter)	3 mg/m³	ACGIH			
	onal protective equip	design and o protect prod	ing controls shoul operated in accord ucts, workers, and	dance with GMP d the environmen	principles to t.			
	iratory protection	maintain vap concentratio unknown, ap Follow OSH use NIOSH/ by air purifyi hazardous o supplied res release, exp circumstanc	General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.					
	protection aterial	: Chemical-re	sistant gloves					
Eye p	protection	If the work e mists or aero Wear a face	glasses with side nvironment or act osols, wear the ap shield or other ful direct contact to t	tivity involves dus opropriate goggle I face protection i	ity conditions, s. f there is a			
	and body protection ene measures	: Work uniform : If exposure to eye flushing working place When using Wash contain The effective	n or laboratory co to chemical is like systems and safe te. do not eat, drink minated clothing b operation of a fa controls, proper p	ly during typical u ety showers close or smoke. pefore re-use. acility should inclu	e to the ide review of			



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			appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.				
SECTION	9. PHYSICAL AND CHI	EMI	CAL PROPERTIE	S			
Appe	Appearance		powder				
Color		:	No data availabl	e			
Odor		:	odorless				
Odor	Threshold	:	No data availabl	e			
рН		:	No data availabl	e			
Meltir	ng point/freezing point	:	No data availabl	e			
Initial range	boiling point and boiling	:	No data availabl	9			
Flash	point	:	No data availabl	e			
Evap	oration rate	:	No data availabl	e			
Flam	mability (solid, gas)	:	May form explos handling or othe	ive dust-air mixture during processing, r means.			
Flam	mability (liquids)	:	No data availabl	e			
	Upper explosion limit / Upper flammability limit		No data availabl	e			
	r explosion limit / Lower nability limit	:	No data availabl	9			
Vapo	r pressure	:	No data availabl	e			
Relat	ive vapor density	:	No data availabl	e			
Relat	ive density	:	No data availabl	e			
Dens	ity	:	No data availabl	e			
	pility(ies) ater solubility	:	No data availabl	e			
	Partition coefficient: n-		No data availabl	e			
	octanol/water Autoignition temperature		No data availabl	e			
Deco	mposition temperature	:	No data availabl	e			
Visco Vi	sity scosity, dynamic	:	No data availabl	e			

SAFETY DATA SHEET



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Viscosity, kinematic Explosive properties		No data availableNot explosive			
Oxidizing properties Molecular weight Particle size		The substantNo data avaitNo data avait			

SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	: :	Not classified as a reactivity hazard. Stable under normal conditions. May form explosive dust-air mixture during processing, handling or other means. Can react with strong oxidizing agents.
Conditions to avoid	:	Heat, flames and sparks. Avoid dust formation.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of Inhalation Skin contact Ingestion Eye contact	of	exposure
Acute toxicity Harmful if swallowed.		
Product: Acute oral toxicity	:	Acute toxicity estimate: 1,952 mg/kg Method: Calculation method
Components:		
Levodopa: Acute oral toxicity	:	LD50 (Rat): 1,780 mg/kg LD50 (Mouse): 2,363 mg/kg
Carbidopa: Acute oral toxicity	:	LD50 (Rat): 4,810 mg/kg LD50 (Mouse): 1,750 mg/kg

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Cellu	lose:				
	oral toxicity	:	LD50 (Rat): >	5,000 mg/kg	
Acute inhalation toxicity		:	LC50 (Rat): > Exposure time Test atmosphe	: 4 h	
Acute	e dermal toxicity	:	LD50 (Rabbit): > 2,000 mg/kg		
Starc	h:				
Acute	oral toxicity	:	LD50 (Rat): >	5,000 mg/kg	
Acute	e dermal toxicity	:	LD50 (Rabbit)	: > 2,000 mg/kg	
Maan	esium stearate:				
-	e oral toxicity	:	Assessment: T icity	2,000 mg/kg D Test Guideline 423 The substance or mixture has no acute oral to: ed on data from similar materials	
				0.000 "	
Acute	e dermal toxicity	:	LD50 (Rabbit) Remarks: Bas	: > 2,000 mg/kg ed on data from similar materials	
Skin Not c	corrosion/irritation lassified based on ava		Remarks: Bas		
Skin Not c <u>Com</u> j	corrosion/irritation lassified based on ava ponents:		Remarks: Bas		
Skin Not c <u>Com</u> j	corrosion/irritation lassified based on ava ponents: idopa: les		Remarks: Bas	ed on data from similar materials	
Skin Not c Com Carbi Speci Resu	corrosion/irritation lassified based on ava <u>ponents:</u> i dopa: les lt		Remarks: Bas information. Rabbit	ed on data from similar materials	
Skin Not c Com Carbi Speci Resu	corrosion/irritation lassified based on ava <u>ponents:</u> idopa: les lt besium stearate :		Remarks: Bas information. Rabbit	ed on data from similar materials	
Skin Not c Com Carbi Speci Resu	corrosion/irritation lassified based on ava <u>ponents:</u> i dopa: les lt		Remarks: Bas information. Rabbit	ed on data from similar materials	
Skin Not c Comj Speci Resu Magn Speci Resu Rema	corrosion/irritation lassified based on ava <u>ponents:</u> idopa: les lt mesium stearate: les lt arks	ailable : : :	Remarks: Bas information. Rabbit No skin irritatio Rabbit No skin irritatio Based on data	ed on data from similar materials	
Skin Not cl Comj Carbi Speci Resu Magn Speci Resu Resu Resu Serio	corrosion/irritation lassified based on ava <u>ponents:</u> idopa: les lt essum stearate: les lt	ailable : : : irritati	Remarks: Bas information. Rabbit No skin irritatio Rabbit No skin irritatio Based on data on	ed on data from similar materials	
Skin Not c Comj Carbi Speci Resu Magn Speci Resu Rema Serio Not c	corrosion/irritation lassified based on ava ponents: idopa: les lt mesium stearate: les lt arks us eye damage/eye	ailable : : : irritati	Remarks: Bas information. Rabbit No skin irritatio Rabbit No skin irritatio Based on data on	ed on data from similar materials	
Skin Not c Comj Carbi Speci Resu Magn Speci Resu Rema Serio Not c Comj	corrosion/irritation lassified based on ava ponents: idopa: les lt mesium stearate: les lt arks us eye damage/eye lassified based on ava	ailable : : : irritati	Remarks: Bas information. Rabbit No skin irritatio Rabbit No skin irritatio Based on data on	ed on data from similar materials	
Skin Not c Comj Carbi Speci Resu Magn Speci Resu Rema Serio Not c Comj	corrosion/irritation lassified based on ava ponents: idopa: les lt mesium stearate: les lt arks us eye damage/eye lassified based on ava ponents: idopa: les	ailable : : : irritati	Remarks: Bas information. Rabbit No skin irritatio Rabbit No skin irritatio Based on data on	ed on data from similar materials	
Skin Not c Com Carbi Speci Resu Resu Rema Serio Not c <u>Com</u> Carbi Speci	corrosion/irritation lassified based on ava ponents: idopa: les lt mesium stearate: les lt arks us eye damage/eye lassified based on ava ponents: idopa: les lt	ailable : : : irritati	Remarks: Bas information. Rabbit No skin irritatio Based on data on information.	ed on data from similar materials on a from similar materials	



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Magn	esium stearate:			
Speci		: Rabbit		
Resul		: No eye irritation		
Rema		: Based on data from simila	r materials	
Resp	iratory or skin sens	tization		
Skin	sensitization			
Not cl	lassified based on av	ailable information.		
-	iratory sensitization			
Not c	lassified based on av	ailable information.		
Com	ponents:			
Levo	dopa:			
Speci		: Guinea pig		
Resu	lt	: Not a skin sensitizer.		
Carbi	idopa:			
Rema	-	: No data available		
Starc	h:			
Test -		: Maximization Test		
	es of exposure	: Skin contact		
Speci		: Guinea pig		
Resu	lt	: negative		
Magn	esium stearate:			
Test ⁻	Гуре	: Maximization Test		
	es of exposure	: Skin contact		
Speci		: Guinea pig		
Metho		: OECD Test Guideline 406		
Resul Rema		: negative : Based on data from simila	r motoriolo	
Rema	arks	. Dased on data from simila	rmatenais	
Germ	cell mutagenicity			
Not cl	lassified based on av	ailable information.		
<u>Com</u>	<u>oonents:</u>			
Levo	dopa:			
Geno	toxicity in vitro	: Test Type: Bacterial revers	se mutation assay (AMES)	
		Result: negative		
		Test Type: Chromosomal		
		Test system: mouse lympl	noma cells	
		Result: equivocal		
		Test Type: Misropusleys t	oct	
		Test Type: Micronucleus to Test system: Chinese han		
		Result: positive	Istor rung Cells	
		9 / 19		
		0,10		



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			ter chromatid exchange assay Chinese hamster lung cells e
Carbi	dopa:		
Genot	toxicity in vitro	: Test Type: Bao Result: positive	cterial reverse mutation assay (AMES) e
		Test Type: In v Result: positive	vitro mammalian cell gene mutation test e
Genot	toxicity in vivo	: Test Type: Mic Species: Mous Application Ro Result: negativ	se ute: Oral
Cellul	lose:		
Genot	toxicity in vitro	: Test Type: Bad Result: negativ	cterial reverse mutation assay (AMES) /e
		Test Type: In N Result: negativ	vitro mammalian cell gene mutation test
Genot	toxicity in vivo	: Test Type: Ma cytogenetic as Species: Mous Application Ro Result: negativ	e ute: Ingestion
Starc	h:		
Genot	toxicity in vitro	: Test Type: Bad Result: negativ	cterial reverse mutation assay (AMES) /e
Magn	esium stearate:		
Genot	toxicity in vitro	Result: negativ	vitro mammalian cell gene mutation test ve ed on data from similar materials
		Method: OECI Result: negativ	
		Remarks: Base	ed on data from similar materials
		Result: negativ	cterial reverse mutation assay (AMES) /e ed on data from similar materials

Carcinogenicity

Not classified based on available information.



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<u>Comp</u>	onents:		
	ation Route ure time	: Rat : Oral : 2 Years : negative	
	-	: Rat : Oral : 96 weeks	
Result	t	: 135 mg/kg boo : negative	dy weight
	es ation Route ure time	: Rat : Ingestion : 72 weeks : negative	
IARC			sent at levels greater than or equal to 0.1% is or confirmed human carcinogen by IARC.
OSHA		nent of this product pro list of regulated carci	esent at levels greater than or equal to 0.1% is nogens.
NTP			sent at levels greater than or equal to 0.1% is ed carcinogen by NTP.
Suspe	oductive toxicity acted of damaging the conents:	e unborn child.	
Levoo	lopa:		
	s on fertility		
Effects	s on fetal developme	Species: Rabb Application Ro Developmenta	bit bute: Oral Il Toxicity: LOAEL: 125 mg/kg body weight seletal malformations., Visceral malformations.
		Test Type: De Species: Rat Application Ro Developmenta	



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		Species: Mo Application Development	Route: Oral ntal Toxicity: LOAEL: 500 mg/kg body weight Effects on fetal development.
Repro sessm	ductive toxicity - As- nent	: Some evide animal expe	nce of adverse effects on development, based on riments.
Carbi Effects	dopa: s on fertility	Symptoms:	t
Effects	s on fetal development	Species: Mo Application Developmen Result: No t Test Type: I Species: Ra Application Developmen	Route: Oral ntal Toxicity: NOAEL: 120 mg/kg body weight eratogenic effects. Development bbit
Cellul Effects	ose: s on fertility	Species: Ra	Route: Ingestion
Effects	s on fetal development	Species: Ra	Route: Ingestion
Magn	esium stearate:		
Effects	s on fertility	reproduction Species: Ra Application Method: OE Result: nega	Route: Ingestion CD Test Guideline 422
Effects	Effects on fetal development		Embryo-fetal development t



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		Application Ro Result: negati Remarks: Bas	
	T-single exposure classified based on av	ailable information.	
STO	T-repeated exposure	•	
Caus	· · ·		em) through prolonged or repeated exposure if
<u>Com</u>	ponents:		
Levo	odopa:		
Rout Targe	es of exposure et Organs ssment	: Oral : Central nervou : Causes dama exposure.	us system ge to organs through prolonged or repeated

Repeated dose toxicity

Components:

Levodopa: Species LOAEL Application Route Exposure time Target Organs Symptoms Species LOAEL Application Route Exposure time Target Organs		Rat 100 mg/kg Oral 106 Weeks Central nervous system Salivation Monkey 100 mg/kg Oral 22 Weeks Central nervous system
Carbidopa: Species LOAEL Application Route Exposure time Remarks	:	Rat 25 mg/kg Oral 96 Weeks No significant adverse effects were reported
Species NOAEL Application Route Exposure time Remarks	:	Monkey 135 mg/kg Oral 1 y No significant adverse effects were reported
Species NOAEL LOAEL Application Route	:	Dog 5 mg/kg 15 mg/kg Oral



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Expos	sure time	:	238 d	
Symp		:	Diarrhea, Vomitin	ng, Tremors
Cellu	lose:			
Speci		:	Rat	
NOAE		:	>= 9,000 mg/kg	
	cation Route sure time	:	Ingestion 90 Days	
Starc	h:			
Speci	es	:	Rat	
NOAE		:	>= 2,000 mg/kg	
	cation Route	:	Skin contact	
	sure time	:	28 Days	V 440
Metho	bd	:	OECD Test Guid	eline 410
-	esium stearate:			
Speci		:	Rat	
NOAE		÷	> 100 mg/kg	
	cation Route	÷	Ingestion	
Rema	sure time	÷	90 Days Based on data fro	om similar materials
-	rience with human exp ponents:	ost		
Levo				
Inges	•	:	Symptoms: Naus	ea, central nervous system effects, Drows
• • •	1		ness	
Carbi Inges	dopa:		Symptoms: involu	Intary movement
•	12. ECOLOGICAL INFO			
	oxicity			
	ponents:			
Levo	•			
	ity to daphnia and other ic invertebrates	:	EC50 (Daphnia n Exposure time: 4	nagna (Water flea)): 16 mg/l 8 h
Carbi	dopa:			
Toxici	ity to daphnia and other	:	EC50 (Daphnia n	nagna (Water flea)): 35.3 mg/l
	ic invertebrates		Exposure time: 4	



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	Cellulose: Toxicity to fish		 LC50 (Oryzias latipes (Japanese medaka)): > 100 mg. Exposure time: 48 h Remarks: Based on data from similar materials 	
-	Magnesium stearate: Toxicity to fish		LC50 (Leuciscus idus (Golden orfe)): > 100 mg/l Exposure time: 48 h Method: DIN 38412 Remarks: Based on data from similar materials	
	Toxicity to daphnia and other aquatic invertebrates		EL50 (Daphnia magna (Water flea)): > 1 mg/l Exposure time: 47 h Test substance: Water Accommodated Fraction Method: Directive 67/548/EEC, Annex V, C.2. Remarks: Based on data from similar materials No toxicity at the limit of solubility.	
	Toxicity to algae/aquatic plants		mg/l Exposure time: 72 Test substance: V Method: OECD T	Vater Accommodated Fraction est Guideline 201 on data from similar materials
			mg/l Exposure time: 72 Test substance: V Method: OECD T	Vater Accommodated Fraction
Toxic	ity to microorganisms	:	Exposure time: 16 Test substance: V	nas putida): > 100 mg/l 5 h Vater Accommodated Fraction on data from similar materials
Persi	istence and degradabil	ity		
<u>Com</u>	ponents:			
	llose: egradability	:	Result: Readily bi	odegradable.
-	nesium stearate: egradability	:		gradable. on data from similar materials



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B	Bioaccumulative potential		
<u>C</u>	Components:		
L	.evodopa:		
-	Partition coefficient: n- octanol/water	: log Pow: -2.39	
N	lagnesium stearate:		
-	Partition coefficient: n- octanol/water	: log Pow: > 4	
Ν	lobility in soil		
Ν	lo data available		
C	Other adverse effects		
Ν	lo data available		
SECT	ION 13. DISPOSAL CONSI	DERATIONS	

Disposal methods

Waste from residues Contaminated packaging		Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste
Contaminated packaging	·	handling site for recycling or disposal.
		If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

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.



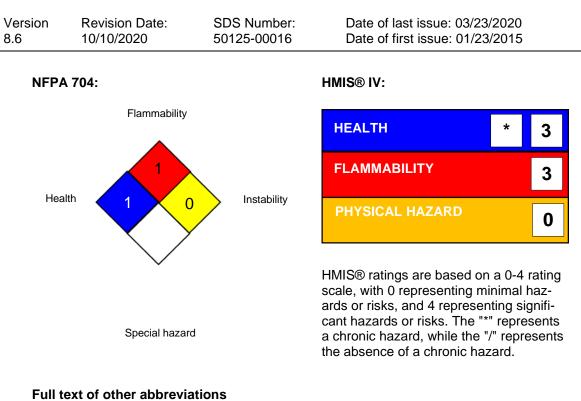
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	•		Threshold Planning Quantity vith a section 302 EHS TPQ.
	A 311/312 Hazards	: Combustible d Acute toxicity Reproductive	ust (any route of exposure)
SAR	A 313	known CAS nu	does not contain any chemical components with umbers that exceed the threshold (De Minimis) s established by SARA Title III, Section 313.
US S	tate Regulations		
Penn	sylvania Right To Ki	างพ	
	Levodopa Carbidopa Hydroxypropyl c Cellulose Starch	ellulose	59-92-7 38821-49-7 9004-64-2 9004-34-6 9005-25-8
Calif	ornia Prop. 65		
the S Levo	tate of California to ca dopa, which is/are kno	use cancer, and	nicals including Quartz, which is/are known to lifornia to cause birth defects or other reproduc- /arnings.ca.gov.
Calif	ornia Permissible Ex	posure Limits for Ch	emical Contaminants
	Cellulose Starch Magnesium stea		9004-34-6 9005-25-8 557-04-0
The i	ngredients of this pr	oduct are reported in	n the following inventories:
AICS		: not determined	t

DSL	:	not determined
IECSC	:	not determined

SECTION 16. OTHER INFORMATION

Further information





ACGIH NIOSH REL OSHA Z-1	:	USA. ACGIH Threshold Limit Values (TLV) USA. NIOSH Recommended Exposure Limits USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim- its for Air Contaminants
ACGIH / TWA NIOSH REL / TWA		8-hour, time-weighted average Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
OSHA Z-1 / TWA	:	8-hour time weighted average

AIIC - 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 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 - (Quanti-



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tative) 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 Substance 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

compile the Material Safety e	nternal technical data, data from raw material SDSs, OECD Chem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/
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Revision Date : 10/10/2020

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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