

# **Ezetimibe Formulation**

Version 9.2	Revision Date: 10/16/2020	SDS Nu 23848-0		Date of last issue: 03/23/2020 Date of first issue: 10/21/2014	
SECTION	<b>1. IDENTIFICATION</b>				
Prod	Product name		: Ezetimibe Formulation		
Man	ufacturer or supplier's	details			
	Company name of supplier Address		anon & Co. Iudson Stree	t, 33nd floor Jersey, U.S.A 07302	
Eme	Telephone Emergency telephone E-mail address		: 551-430-6000 : 215-631-6999 : EHSSTEWARD@organon.com		
Reco	ommended use of the	chemical a	and restriction	ons on use	
Reco	Recommended use		: Pharmaceutical		
GHS	N 2. HAZARDS IDENTIF classification in accor 0.1200)		th the OSHA	Hazard Communication Standard (29 CFR	
Com	bustible dust				
GHS	label elements				
Sign	Signal Word		ning		

Signal Word	:	Warning
Hazard Statements	:	If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.

#### Other hazards

Dust contact with the eyes can lead to mechanical irritation.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Cellulose	9004-34-6	>= 20 - < 30
Ezetimibe	163222-33-1	>= 10 - < 20
Sodium n-dodecyl sulfate	151-21-3	>= 1 - < 5
Magnesium stearate	557-04-0	>= 1 - < 5
2-Pyrrolidone	616-45-5	>= 0.1 - < 1

Actual concentration is withheld as a trade secret

### SECTION 4. FIRST AID MEASURES

General advice	:	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	:	If inhaled, remove to fresh air.



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	a of chin contact			ention if symptoms occur.			
in cas	se of skin contact	•		act, immediately flush skin with plenty of water. ninated clothing and shoes.			
			Get medical atte	ention.			
			Wash clothing b				
_			• •	an shoes before reuse.			
In cas	se of eye contact	:	If in eyes, rinse well with water.				
lf ouro	llowed		Get medical attention if irritation develops and persists. If swallowed, DO NOT induce vomiting.				
ii swa	liiowea	•		ention if symptoms occur.			
				oroughly with water.			
Most	important symptoms	:		th the eyes can lead to mechanical irritation.			
	ffects, both acute and			,			
delay	ed						
Prote	ction of first-aiders	:	and use the rec	nders should pay attention to self-protection, commended personal protective equipment tial for exposure exists (see section 8).			
Notes	to physician	:	Treat symptoma	atically and supportively.			
SECTION		VCI	IDES				

### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire fighting	:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Nitrogen oxides (NOx) Fluorine compounds Sulfur oxides Metal oxides
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus. 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.



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	lethods and materials for ontainment and cleaning up	<ul> <li>Local authorities cannot be contained</li> <li>Sweep up or vac container for dis Avoid dispersal of with compressed</li> <li>Dust deposits sh surfaces, as thes released into the Local or national disposal of this r employed in the determine which Sections 13 and</li> </ul>	cuum up spillage and collect in suitable posal. of dust in the air (i.e., clearing dust surfaces

#### **SECTION 7. HANDLING AND STORAGE**

Technical measures	:	Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Local/Total ventilation Advice on safe handling		Use only with adequate ventilation. Do not get on skin or clothing. Do not breathe dust. Do not swallow. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Minimize dust generation and accumulation. Keep container closed when not in use. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	:	Keep in properly labeled containers. Store in accordance with the particular national regulations.
Materials to avoid	:	Do not store with the following product types: Strong oxidizing agents

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components CAS-No. Value type Control parame-Basis (Form of ters / Permissible exposure) concentration Cellulose 9004-34-6 TWA 10 mg/m<sup>3</sup> ACGIH TWA (Res-5 mg/m<sup>3</sup> NIOSH REL pirable)

### Ingredients with workplace control parameters



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		1	TWA (total)	10 mg/m <sup>3</sup>	NIOSH I	
			TWA (total	15 mg/m <sup>3</sup>	OSHA Z	
			dust)	15 mg/m		
			TWA (respir-	5 mg/m <sup>3</sup>	OSHA Z	
			able fraction)	5 mg/m		
Ezetimibe		163222-33-1	TWA	25 µg/m2 (OEB 2)	Internal	
Ezelimbe		103222-33-1		25 µg/m3 (OEB 3)		
Manua ali una ata		557.04.0	Wipe limit	250 µg/100 cm <sup>2</sup>	Internal	
Magnesium ste	arate	557-04-0	TWA (Inhal-	10 mg/m³	ACGIH	
			able particu-			
			late matter)	0		
			TWA (Res-	3 mg/m³	ACGIH	
			pirable par-			
			ticulate mat-			
			ter)			
Personal prote Respiratory pro		the compoun containment Minimize ope t General and maintain vap concentratior unknown, ap Follow OSHA use NIOSH/N by air purifyir hazardous ch supplied resp release, expo	d to uncontrolled devices). en handling. local exhaust ve or exposures bel ns are above rece propriate respirat A respirator regul ASHA approved ng respirators againemical is limited birator if there is a osure levels are us where air purify	tee and to prevent mig l areas (e.g., open-fac ntilation is recommen ow recommended lim tory protection should ations (29 CFR 1910, respirators. Protection ainst exposure to any . Use a positive press any potential for unco unknown, or any othe ing respirators may n	ded to hits. Wher tre be worn. .134) and n provideo sure air ntrolled r	
nano protectior	1					
·		Chemical-res	sistant gloves			
Material						
	:	Consider dou	ıble gloving.			
Material	:			shields or goggles.		
Material Remarks	:	Wear safety g	glasses with side	tivity involves dusty co	onditions,	
Material Remarks	:	Wear safety of the work er Mists or aero	glasses with side avironment or act sols, wear the ap	tivity involves dusty co propriate goggles.		
Material Remarks	:	Wear safety of If the work er mists or aero Wear a faces potential for o	glasses with side nvironment or act sols, wear the ap shield or other ful	tivity involves dusty co	ere is a	
Material Remarks Eye protection	:	Wear safety e If the work er mists or aero Wear a faces potential for o aerosols.	glasses with side nvironment or act sols, wear the ap shield or other ful direct contact to t	tivity involves dusty co opropriate goggles. I face protection if the he face with dusts, m	ere is a	
Material Remarks	: : protection :	Wear safety of If the work er mists or aero Wear a faces potential for of aerosols. Work uniform Additional bo	glasses with side ivironment or act sols, wear the ap shield or other ful direct contact to t or laboratory co dy garments sho	tivity involves dusty co ppropriate goggles. I face protection if the the face with dusts, m pat. puld be used based up	ere is a hists, or	
Material Remarks Eye protection	: : protection :	Wear safety of If the work er mists or aero Wear a faces potential for aerosols. Work uniform Additional bo task being pe	glasses with side nvironment or act sols, wear the ap shield or other ful direct contact to t or laboratory co dy garments sho erformed (e.g., sl	tivity involves dusty coppropriate goggles. I face protection if the the face with dusts, m pat. Juld be used based up eevelets, apron, gaur	ere is a hists, or	
Material Remarks Eye protection	protection :	Wear safety of If the work er mists or aero Wear a faces potential for aerosols. Work uniform Additional bo task being pe disposable so	glasses with side nvironment or act sols, wear the ap shield or other ful direct contact to the or laboratory co dy garments sho erformed (e.g., sl uits) to avoid exp	tivity involves dusty coppropriate goggles. I face protection if the the face with dusts, m pat. Juld be used based up eevelets, apron, gaur osed skin surfaces.	ere is a hists, or pon the htlets,	
Material Remarks Eye protection	protection :	Wear safety of If the work er mists or aero Wear a faces potential for aerosols. Work uniform Additional bo task being pe disposable so	glasses with side nvironment or act sols, wear the ap shield or other ful direct contact to the or laboratory co dy garments sho erformed (e.g., sl uits) to avoid exp ate degowning te	tivity involves dusty co opropriate goggles. I face protection if the he face with dusts, m pat. Juld be used based up eevelets, apron, gaur	ere is a hists, or pon the htlets,	



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Hygie	ne measures	eye flushing sy working place. When using do Wash contamin The effective o engineering co appropriate de industrial hygie	chemical is likely during typical use, provide ystems and safety showers close to the o not eat, drink or smoke. nated clothing before re-use. operation of a facility should include review of introls, proper personal protective equipment, gowning and decontamination procedures, ene monitoring, medical surveillance and the trative controls.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Color	:	off-white
Odor	:	No data available
Odor Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, handling or other means.
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	No data available
Solubility(ies) Water solubility	:	No data available
Partition coefficient: n-	:	No data available



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	ctanol/water utoignition temperature	: No data av	ailable	
D	ecomposition temperature	: No data av	ailable	
	iscosity Viscosity, kinematic xplosive properties	: No data av : Not explosi		
0	xidizing properties	: The substa	nce or mixture is not classified as oxidizing.	
М	olecular weight	: No data av	ailable	
Pa	article size	: No data av	ailable	

### 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	exposure
Acute toxicity	
Not classified based on available	e information.
Product: Acute oral toxicity :	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Components:	
Cellulose:	
Acute oral toxicity :	LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity :	LC50 (Rat): > 5.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist



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Ac	ute dermal toxicity	:	LD50 (Rabbit): > 2	2,000 mg/kg		
Ez	etimibe:					
Ac	ute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg			
			LD50 (Mouse): > 8	5,000 mg/kg		
			LD50 (Dog): > 3,0	00 mg/kg		
Ac	ute inhalation toxicity	:	Remarks: No data available			
Ac	ute dermal toxicity	:	Remarks: No data available			
	ute toxicity (other routes of ministration)	:	LD50 (Rat): > 2,00 Application Route			
			LD50 (Mouse): > Application Route	1,000 - < 2,000 mg/kg : Intraperitoneal		
So	dium n-dodecyl sulfate:					
Ac	ute oral toxicity	:	LD50 (Rat): 1,200 Method: OECD Te			
Ac	ute dermal toxicity	:	LD50 (Rat): > 2,00 Method: OECD Te Remarks: Based o			
Ма	agnesium stearate:					
	ute oral toxicity	:	icity			
Ac	ute dermal toxicity	:	LD50 (Rabbit): > 2 Remarks: Based o	2,000 mg/kg on data from similar materials		
2-6	Pyrrolidone:					
	ute oral toxicity	:	LD50 (Rat): > 2,00 Method: OECD Te Assessment: The icity			
Ac	ute dermal toxicity	:	LD50 (Rabbit): > 2 Method: OECD Te Assessment: The toxicity			

### Skin corrosion/irritation

Not classified based on available information.



nents: be: n-dodecyl sulfate: sium stearate: s lidone:	: Rabbit : Skin irritation : Rabbit : No skin irritati	ion a from similar materials Guideline 404
n-dodecyl sulfate: sium stearate:	<ul> <li>No skin irritation</li> <li>Rabbit</li> <li>Skin irritation</li> <li>Rabbit</li> <li>No skin irritation</li> <li>Based on dat</li> <li>Rabbit</li> <li>OECD Test G</li> </ul>	ion a from similar materials Guideline 404
n-dodecyl sulfate: sium stearate:	<ul> <li>No skin irritation</li> <li>Rabbit</li> <li>Skin irritation</li> <li>Rabbit</li> <li>No skin irritation</li> <li>Based on dat</li> <li>Rabbit</li> <li>OECD Test G</li> </ul>	ion a from similar materials Guideline 404
n-dodecyl sulfate: sium stearate:	<ul> <li>No skin irritation</li> <li>Rabbit</li> <li>Skin irritation</li> <li>Rabbit</li> <li>No skin irritation</li> <li>Based on dat</li> <li>Rabbit</li> <li>OECD Test G</li> </ul>	ion a from similar materials Guideline 404
s <b>ium stearate</b> : s lidone:	<ul> <li>Rabbit</li> <li>Skin irritation</li> <li>Rabbit</li> <li>No skin irritati</li> <li>Based on dat</li> <li>Rabbit</li> <li>Rabbit</li> <li>OECD Test G</li> </ul>	ion a from similar materials Guideline 404
ium stearate: s lidone:	<ul> <li>Skin irritation</li> <li>Rabbit</li> <li>No skin irritati</li> <li>Based on dat</li> <li>Rabbit</li> <li>OECD Test G</li> </ul>	ion a from similar materials Guideline 404
s lidone:	: Rabbit : No skin irritati : Based on dat : Rabbit : OECD Test G	ion a from similar materials Guideline 404
s lidone:	<ul> <li>No skin irritati</li> <li>Based on dat</li> <li>Rabbit</li> <li>OECD Test G</li> </ul>	a from similar materials Guideline 404
s lidone:	<ul> <li>No skin irritati</li> <li>Based on dat</li> <li>Rabbit</li> <li>OECD Test G</li> </ul>	a from similar materials Guideline 404
lidone:	: Based on dat : Rabbit : OECD Test G	a from similar materials Guideline 404
lidone:	: Rabbit : OECD Test G	Guideline 404
	: OECD Test G	
	: OECD Test G	
eve damage/ove in		
eve demage/eve in	: No skin irritat	ION
ava damada/ava ir		
<u>nents:</u> be:		
	: Rabbit	
	: No eye irritati	on
n-dodecyl sulfate:		
-		
		ffects on the eye
	: OECD Test G	Guideline 405
ium stearate:		
	: Rabbit	
	: No eye irritati	
S	: Based on dat	a from similar materials
lidone:		
	: Rabbit	
		ves, reversing within 7 days
tory or skin sensiti	ization	
nsitization		
	lable information	
	be: n-dodecyl sulfate: sium stearate: S lidone: nsitization	be: A Rabbit T No eye irritati A n-dodecyl sulfate: A n-dodecyl sulfate: A Rabbit C OECD Test O Sium stearate: A No eye irritati No eye irritati No eye irritati S S S Based on dat Hidone: A Rabbit C Rabbit C No eye irritati S S C C No eye irritati S S S C No eye irritati S S S S S S S S S S S S S S S S S S S

### Respiratory sensitization

Not classified based on available information.



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<u>Com</u>	ponents:		
	mibe:		
Test		: Maximization	Test
Spec		: Guinea pig	
Resu	lit	: negative	
Sodi	um n-dodecyl sulfate	:	
Test		: Maximization	Test
	es of exposure	: Skin contact	
Spec		: Guinea pig	
Resu Rema		: negative	a from similar materials
Rem	aiks	. Daseu on data	
Magı	nesium stearate:		
Test		: Maximization	Test
	es of exposure	: Skin contact	
Spec Meth		: Guinea pig : OECD Test G	uideline 406
Resu		: negative	
Rema			a from similar materials
<b>2-Py</b>	rrolidone:		
Test			ode assay (LLNA)
	es of exposure	: Skin contact	
Spec		: Mouse	
Meth		: OECD Test G	uideline 429
Resu Rema		: negative : Based on dat	a from similar materials
Kenn		. Dased on date	
Gern	n cell mutagenicity		
	lassified based on ava	ilable information.	
<u>Com</u>	ponents:		
	llose:		
Geno	otoxicity in vitro	: Test Type: Ba Result: negati	acterial reverse mutation assay (AMES)
		Test Type: In Result: negati	vitro mammalian cell gene mutation test ive
Geno	otoxicity in vivo	: Test Type: Ma cytogenetic as Species: Mou	
			oute: Ingestion
Ezeti	mibe:		
Geno	otoxicity in vitro	Metabolic acti	acterial reverse mutation assay (AMES) vation: with and without metabolic activation
		Result: negati	
		9 / 2	2



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			Chromosomal aberration n: Human lymphocytes jative
Genot	toxicity in vivo	Species: M Cell type: B	Bone marrow Route: Oral
Sodiu	ım n-dodecyl sulfate	•:	
	toxicity in vitro	: Test Type:	Bacterial reverse mutation assay (AMES) ECD Test Guideline 471 pative
		Test Type: Result: neg	In vitro mammalian cell gene mutation test ative
Genot	toxicity in vivo	Species: M	Route: Ingestion
Magn	esium stearate:		
Genot	toxicity in vitro	Result: neg	In vitro mammalian cell gene mutation test jative Based on data from similar materials
		Method: OB Result: neg	Chromosome aberration test in vitro ECD Test Guideline 473 jative Based on data from similar materials
		Result: neg	Bacterial reverse mutation assay (AMES) ative Based on data from similar materials
•	rolidone: toxicity in vitro	: Test Type: Result: neg	Bacterial reverse mutation assay (AMES) ative
		Method: OE Result: neg	In vitro mammalian cell gene mutation test ECD Test Guideline 476 Jative Based on data from similar materials
		Test Type:	Chromosome aberration test in vitro ECD Test Guideline 473
Genot	toxicity in vivo	: Test Type: cytogenetic	Mammalian erythrocyte micronucleus test (in vivo assay)





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			oute: Intraperitoneal injection D Test Guideline 474
	nogenicity assified based on av	vailable information.	
Com	oonents:		
Cellu			
Speci Applic	es cation Route sure time	: Rat : Ingestion : 72 weeks : negative	
Ezetii	mibe:		
	cation Route sure time	: Rat, female : oral (feed) : 104 weeks : negative	
	cation Route sure time	: Rat, male : oral (feed) : 104 weeks : negative	
	cation Route sure time	: Mouse : oral (feed) : 104 weeks : negative	
Sodiı	ım n-dodecyl sulfa	e:	
	cation Route sure time od t	: Rat : Ingestion : 2 Years : OECD Test G : negative : Based on data	uideline 453 a from similar materials
2-Pyr	rolidone:		
Speci Applic	es cation Route sure time t	: Mouse : Ingestion : 18 month(s) : negative : Based on data	a from similar materials
IARC	0		sent at levels greater than or equal to 0.1% i or confirmed human carcinogen by IARC.
OSH/	No compo		esent at levels greater than or equal to 0.1%



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NTP		t of this product present at levels greater than or equal to 0.1% is a known or anticipated carcinogen by NTP.					
-	oductive toxicity assified based on availa	ble	information.				
<u>Comp</u>	oonents:						
<b>Cellul</b> Effects	l <b>ose:</b> s on fertility	:	Species: Rat Application Route	eneration reproduction toxicity study e: Ingestion			
Effects	s on fetal development	:	Result: negative Test Type: Fertilit Species: Rat Application Route Result: negative	y/early embryonic development : Ingestion			
Ezetir	nibe:						
Effects	s on fertility	:	Species: Rat, ma Fertility: NOAEL:	y/early embryonic development le and female > 1,000 mg/kg body weight s on fertility., No fetotoxicity.			
Effects	s on fetal development	:	Test Type: Develor Species: Rat Application Route Developmental To Result: No advers	e: Oral oxicity: NOAEL: > 1,000 mg/kg body weigł			
			Test Type: Develor Species: Rabbit Application Route Developmental To Result: No advers	e: Oral oxicity: NOAEL: > 1,000 mg/kg body weigl			
Sodiu	Im n-dodecyl sulfate:						
Effect	s on fertility	:	Species: Rat Application Route Method: OECD T Result: negative	eneration reproduction toxicity study e: Ingestion est Guideline 416 on data from similar materials			
Effects	s on fetal development	:	Species: Rat Application Route Result: negative	vo-fetal development e: Ingestion on data from similar materials			

### Magnesium stearate:



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Effect	ts on fertility	:	reproduction/de Species: Rat Application Rou Method: OECD Result: negativ	Test Guideline 422
Effect	ts on fetal development	:	Species: Rat Application Rou Result: negativ	
2-Pvr	rolidone:			
-	ts on fertility	:	Species: Rat Application Rou Result: positive	
Effect	ts on fetal development	:	Test Type: Eml Species: Rat Application Rou Result: positive	
Repro sessr	oductive toxicity - As- nent	:	fertility, based o	of adverse effects on sexual function and on animal experiments., Clear evidence of on development, based on animal
STO	ſ-single exposure			
Not c	lassified based on availa	ble	information.	
	-repeated exposure			
	lassified based on availa	able	information.	
Repe	ated dose toxicity			
Com	ponents:			
Cellu				
		:	Rat >= 9,000 mg/kg Ingestion 90 Days	]
<b>-</b>				

Ezetimibe:Species:DogNOAEL:1,000 mg/kgApplication Route:OralExposure time:90 dRemarks:No significant adverse effects were reported



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Species		: Rat	
NOAEL		: 1,500 mg/kg	
	tion Route	: Oral	
Exposu		: 90 d	offecte were reported
Remark	(5	: No significant adverse	e effects were reported
Species		: Mouse	
NOAEL		: 500 mg/kg	
	tion Route	: Oral : 90 d	
Exposu Remark			e effects were reported
Remain	15	. NO SIGNINGAN AUVERSE	ellects were reported
Species		: Dog	
NOAEL		: 300 mg/kg	
	tion Route	: Oral	
Exposu		: 1 y	offecte were reported
Remark	(5	: No significant adverse	effects were reported
Sodium	n n-dodecyl sulfate:		
Species	6	: Rat	
NOAEL		: 488 mg/kg	
Application	tion Route	: Ingestion	
Exposu		: 90 Days	
Remark	(S	: Based on data from si	milar materials
Magnes	sium stearate:		
Species		: Rat	
NOAEL		: > 100  mg/kg	
-	tion Route	: Ingestion	
Exposu		: 90 Days	
Remark		: Based on data from si	milar materials
2-Durro	olidone:		
-		· Dot	
Species NOAEL		: Rat : 207 mg/kg	
	tion Route	: Ingestion	
Exposu		: 3 Months	
Method		: OECD Test Guideline	408

#### Components:

Ezetimibe:



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Ingestion		:	: Symptoms: Headache, Nausea, Vomiting, Diarrhea, flatu- lence, muscle pain, upper respiratory tract infection, Back pain, joint pain		
SECTION	12. ECOLOGICAL INFO	ORN	IATION		
Ecoto	oxicity				
Comp	oonents:				
Cellul	lose:				
Toxici	ty to fish	:	Exposure time: 48	ipes (Japanese medaka)): > 100 mg/l 3 h on data from similar materials	
Ezetir	nibe:				
Toxici	ty to fish	:	Exposure time: 96 Method: OECD T		
	ty to daphnia and other ic invertebrates	:	Exposure time: 48 Method: OECD T		
Toxici plants	ty to algae/aquatic	:	0.317 mg/l Exposure time: 96 Method: OECD T		
			mg/l Exposure time: 96 Method: OECD T		
Toxici icity)	ty to fish (Chronic tox-	:	NOEC (Pimephal Exposure time: 33 Method: OECD T		
			Exposure time: 7	on variegatus (sheepshead minnow)): 4 mg d city at the limit of solubility.	
	ty to daphnia and other ic invertebrates (Chron- city)	:	Exposure time: 27	magna (Water flea)): 0.282 mg/l 1 d city at the limit of solubility.	
Toxici	ty to microorganisms	:	EC50: > 4.4 mg/l Exposure time: 3 Test Type: Respin Method: OECD T	ration inhibition	



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			Remarks: No toxi	city at the limit of solubility.
Sodiu	Im n-dodecyl sulfate:			
	ity to fish	:	LC50 (Pimephale Exposure time: 96	s promelas (fathead minnow)): 29 mg/l 5 h
	ity to daphnia and other ic invertebrates	:	EC50 (Ceriodaph Exposure time: 48	nia dubia (water flea)): 5.55 mg/l 3 h
Toxici plants	ity to algae/aquatic	:	ErC50 (Desmode Exposure time: 72	smus subspicatus (green algae)): > 120 mg 2 h
			NOEC (Desmode Exposure time: 72	smus subspicatus (green algae)): 30 mg/l 2 h
Toxici icity)	ity to fish (Chronic tox-	:	NOEC (Pimephal mg/l Exposure time: 42	es promelas (fathead minnow)): >= 1.357 2 d
	ity to daphnia and other ic invertebrates (Chron- city)	:	NOEC (Ceriodapl Exposure time: 7	hnia dubia (water flea)): 0.88 mg/l d
	ity to microorganisms	:	EC50: 135 mg/l Exposure time: 3	h
Magn	esium stearate:			
_	ity to fish	:	Exposure time: 48 Method: DIN 384	
	ity to daphnia and other ic invertebrates	:	Exposure time: 4 Test substance: V Method: Directive	Vater Accommodated Fraction 67/548/EEC, Annex V, C.2. on data from similar materials
Toxici plants	ity to algae/aquatic	:	mg/l Exposure time: 72 Test substance: V Method: OECD T	Vater Accommodated Fraction est Guideline 201 on data from similar materials
			NOELR (Pseudoł mg/l	kirchneriella subcapitata (green algae)): > 1



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			Exposure time: 72 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 201 Remarks: Based on data from similar materials	
Toxicity to microorganisms		:	EC10 (Pseudomonas putida): > 100 mg/l Exposure time: 16 h Test substance: Water Accommodated Fraction Remarks: Based on data from similar materials	
2-Pvrro	olidone:			
-	/ to fish	:	LC50 (Danio rerio (zebra fish)): > 4,600 - 10,000 mg/l Exposure time: 96 h Method: OECD Test Guideline 203	
	to daphnia and other invertebrates	:	EC50 (Daphnia magna (Water flea)): > 500 mg/l Exposure time: 48 h	
Toxicity plants	/ to algae/aquatic	:	ErC50 (Desmodesmus subspicatus (green algae)): > 500 mg Exposure time: 72 h	
			EC10 (Desmodesmus subspicatus (green algae)): 22.2 mg/l Exposure time: 72 h	
Toxicity	Toxicity to microorganisms		EC50: > 1,000 mg/l Exposure time: 30 min Method: OECD Test Guideline 209	
Persist	tence and degradabil	ity		
<u>Compo</u>	onents:			
Cellulo	ose:			
Biodeg	radability	:	Result: Readily biodegradable.	
Ezetim	ibe:			
Biodeg	radability	:	Result: Not readily biodegradable. Biodegradation: 6.8 % Exposure time: 28 d	
Stability	y in water	:	Hydrolysis: 50 %(4.5 d) Method: OECD Test Guideline 111	
Sodiur	n n-dodecyl sulfate:			
	n n-dodecyl sulfate: radability	:	Result: Readily biodegradable. Biodegradation: 95 % Exposure time: 28 d Method: OECD Test Guideline 301B	
Biodeg	•	:	Biodegradation: 95 % Exposure time: 28 d	





<b>2-Pyrr</b> Biodeg	olidono:				
Biodeg					
	Biodegradability		: Result: Readily biodegradable. Remarks: Based on data from similar materials		
Bioaco	cumulative potential				
Comp	onents:				
Ezetim	nibe:				
Bioacc	umulation	:	Bioconcentrat Exposure time	omis macrochirus (Bluegill sunfish) ion factor (BCF): 173 e: 97 d D Test Guideline 305	
Partitio octano	n coefficient: n- I/water	:	log Pow: 4.36		
Sodiur	m n-dodecyl sulfate:				
Partitio octano	n coefficient: n- I/water	:	log Pow: 0.83		
-	esium stearate:				
Partitio octano	n coefficient: n- I/water	:	log Pow: > 4		
2-Pyrr	olidone:				
Partitio octano	n coefficient: n- I/water	:		1 D Test Guideline 107	
Mobili	ty in soil				
<u>Comp</u>	onents:				
Ezetim	nibe:				
	ution among environ- compartments	:	log Koc: 4.35 Method: OEC	D Test Guideline 106	
Other	adverse effects				
No dat	a available				

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

#### **SECTION 14. TRANSPORT INFORMATION**

### International Regulations



# **Ezetimibe Formulation**

Versior 9.2	n Revision Date: 10/16/2020	SDS Numb 23848-000	
UI Pr	<b>NRTDG</b> N number roper shipping name ass	N.O.S. (Ezetin : 9	ONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
	acking group abels	: III : 9	
IU	<b>TA-DGR</b> V/ID No. oper shipping name	: UN 307 : Environ (Ezetin	nmentally hazardous substance, solid, n.o.s.
Pa La Pa	ass acking group abels acking instruction (cargo	: 9 : III	aneous
Pa ge	rcraft) acking instruction (passen- er aircraft) nvironmentally hazardous	: 956 : yes	
U	IDG-Code N number oper shipping name	: UN 307 : ENVIR( N.O.S. (Ezetim	ONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
Pa La Er	ass acking group abels nS Code arine pollutant	: 9 : III : 9 : F-A, S- : yes	
	ansport in bulk according		I of MARPOL 73/78 and the IBC Code
	omestic regulation		
	<b>) CFR</b> N/ID/NA number	: UN 307	77

Proper shipping name	:	Environmentally hazardous substance, solid, n.o.s. (Ezetimibe)
Class	:	9
Packing group	:	III
Labels	:	CLASS 9
ERG Code	:	171
Marine pollutant	:	yes(Ezetimibe)
Remarks	:	Above applies only to containers over 119 gallons or 450 liters., Shipment by ground under DOT is non-regulated; however it may be shipped per the applicable hazard classification to facilitate multi-modal transport involving ICAO (IATA) or IMO.

#### Special precautions for user

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



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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	:	Combustible dust
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.

#### US State Regulations

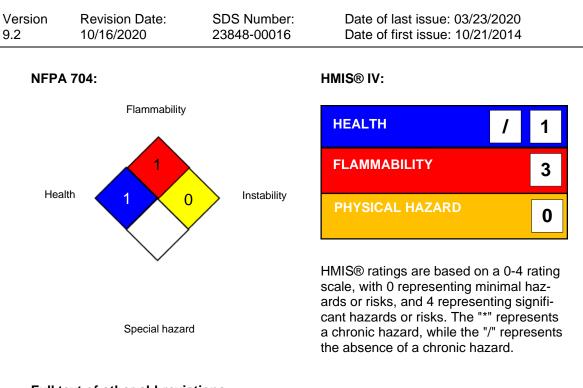
Pennsylvania Right To Know						
D-Glucose, 4-Ob Cellulose Ezetimibe Croscarmellose so Polyvinyl pyrrolidor	diur	-D-galactopyranosyl-, monohydrate n	64044-51-5 9004-34-6 163222-33-1 74811-65-7 9003-39-8			
California List of Hazardous	s Sı	ıbstances				
Polyvinyl pyrrolidor	ne		9003-39-8			
California Permissible Exposure Limits for Chemical Contaminants						
Cellulose Magnesium steara	te		9004-34-6 557-04-0			
The ingredients of this product are reported in the following inventories:						
AICS	:	not determined				
DSL	:	not determined				
IECSC	:	not determined				

#### **SECTION 16. OTHER INFORMATION**

Further information







#### Full text of other abbreviations

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

Sources of key data used to compile the Material Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/
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Revision Date : 10/16/2020

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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