sumed



Version 7.1	Revision Date: 2020/10/16	SDS Number: 23837-00016		Date of last issue: 2020/03/23 Date of first issue: 2014/10/21
1. PROI	DUCT AND COMPANY IDE	ENT	IFICATION	
Che	emical product name	:	Ezetimibe Forr	nulation
Su	oplier's company name, a	ddr	ess and phone	number
Co	mpany name of supplier	:	Organon & Co	
Ado	dress	:	30 Hudson Str Jersey City, Ne	eet, 33nd floor ew Jersey, U.S.A 07302
Tel	ephone	:	551-430-6000	
E-n	nail address	:	EHSSTEWAR	D@organon.com
Em	ergency telephone number	:	215-631-6999	
Re	commended use of the ch	nem	ical and restric	tions on use
Red	commended use	:	Pharmaceutica	al
0 11474				
Ζ. ΠΑΖΑ	RDS IDENTIFICATION			
GH	S classification of chemic	cal	product	
	ng-term (chronic) aquatic ard	:	Category 2	
GH	S label elements			
Ha	zard pictograms	:	¥2	
Sia	nal word	:	None	
	zard statements	:		aquatic life with long lasting effects.
Pre	cautionary statements	:	Prevention:	
				lease to the environment.
			Response:	
			P391 Collect s	pillage.
			Disposal: P501 Dispose disposal plant.	of contents/ container to an approved waste
Oth	ner hazards which do not	res	ult in classifica	tion
Imp	portant symptoms and out-		Dust contact w	rith the eyes can lead to mechanical irritation



Ezetimibe Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2020/03/23
7.1	2020/10/16	23837-00016	Date of first issue: 2014/10/21

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mix	ture
---------------------------	------

Components					
Chemical name	CAS-No.	Concentration (% w/w)	ENCS No.		
Cellulose	9004-34-6	>= 20 - < 30			
Ezetimibe	163222-33-1	>= 10 - < 20			
Sodium n-dodecyl sulfate	151-21-3	2	2-1679		
Magnesium stearate	557-04-0	>= 1 - < 10	2-611		
2-Pyrrolidone	616-45-5	>= 0.1 - < 0.3	5-112		

4. FIRST AID MEASURES

	General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice.
	If inhaled	:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
	In case of skin contact	:	In case of contact, immediately flush skin with 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	:	If in eyes, rinse well with water. Get medical attention if irritation develops and persists.
	If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
	Most important symptoms and effects, both acute and delayed	:	Dust contact with the eyes can lead to mechanical irritation.
	Protection of first-aiders	:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
	Notes to physician	:	Treat symptomatically and supportively.
5. F	IREFIGHTING 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.



Ezetimibe Formulation

Vers 7.1	sion	Revision Date: 2020/10/16	-	0S Number: 837-00016	Date of last issue: 2020/03/23 Date of first issue: 2014/10/21	
	Hazard ucts	lous combustion prod-	:	Carbon oxides Nitrogen oxides (I Fluorine compour Sulphur 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.		
	Specia for firef	l protective equipment ighters	:	In the event of fire	e, wear self-contained breathing apparatus. rective equipment.	
6. A	CCIDE	NTAL RELEASE MEAS	SUF	RES		
	Personal precautions, protec- tive equipment and emer- gency procedures		:	Follow safe handl	ective equipment. ing advice (see section 7) and personal pro- 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		:	tainer for disposal Avoid dispersal of with compressed Dust deposits sho es, as these may leased into the att Local or national posal of this mate employed in the c mine which regula Sections 13 and 1	dust in the air (i.e., clearing dust surfaces	

7. HANDLING AND STORAGE

Handling		
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.



Ezetimibe Formulation

Version 7.1	Revision Date: 2020/10/16	SDS Number: 23837-00016	Date of last issue: 2020/03/23 Date of first issue: 2014/10/21
,	Avoidance of contact Hygiene measures		accordance with good industrial hygiene and safety ased on the results of the workplace exposure as- lust generation and accumulation. ainer closed when not in use. / from heat and sources of ignition. autionary measures against static discharges. to prevent spills, waste and minimize release to the nt. agents e to chemical is likely during typical use, provide eye stems and safety showers close to the working g do not eat, drink or smoke. aminated clothing before re-use. ve operation of a facility should include review of g controls, proper personal protective equipment, e degowning and decontamination procedures, hygiene monitoring, medical surveillance and the hinistrative controls.
Stora	age		
Cond	litions for safe storage		operly labelled containers. cordance with the particular national regulations.
Mate	rials to avoid	: Do not sto	re with the following product types: dizing agents
Pack	aging material	: Unsuitable	material: None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Threshold limit value and permissible exposure limits for each component in the work en-	
vironment	

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Cellulose	9004-34-6	TWA	10 mg/m3	ACGIH
Ezetimibe	163222-33-1	TWA	25 µg/m3 (OEB 3)	Internal
		Wipe limit	250 µg/100 cm ²	Internal
Magnesium 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

Engineering measures	:	All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face con-
		tainment devices).





Version 7.1	Revision Date: 2020/10/16	SDS Num 23837-000		Date of last issue: 2020/03/23 Date of first issue: 2014/10/21		
		Minimi	ize open ha	ndling.		
Pers	onal protective equipn	nent				
Respiratory protection		sure a omme	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection.			
Filter type Hand protection		: Combi	ined particu	lates and organic vapour type		
M	Material		ical-resistar	nt gloves		
Remarks Eye protection		: Wears If the winists of Wears potent	Consider double gloving. Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.			
Skin and body protection :		Additio task be posab Use ap	onal body g eing perforr le suits) to a	aboratory coat. arments should be used based upon the ned (e.g., sleevelets, apron, gauntlets, dis- avoid exposed skin surfaces. legowning techniques to remove potentially thing.		

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	powder
Colour	:	off-white
Odour	:	No data available
Odour Threshold	:	No data available
Melting point/freezing point	:	No data available
Boiling point, initial boiling point and boiling range	:	No data available
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, han- dling or other means.
Flammability (liquids)	:	No data available
Lower explosion limit and upper Upper explosion limit / Upper flammability limit		xplosion limit / flammability limit No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	Not applicable
Decomposition temperature	:	No data available



Ezetimibe Formulation

Versior 7.1	n Revision Date: 2020/10/16		S Number: 37-00016	Date of last issue: 2020/03/23 Date of first issue: 2014/10/21
p⊦	ł	:	No data available	9
E١	aporation rate	:	No data available	
Au	uto-ignition temperature	:	No data available)
Vi	scosity Viscosity, kinematic	:	No data available	
So	olubility(ies) Water solubility	:	No data available	
	artition coefficient: n- tanol/water	:	No data available	
Va	apour pressure	:	No data available	•
	ensity and / or relative densit elative density	ty :	No data available)
De	ensity	:	No data available)
Re	elative vapour density	:	No data available)
E>	plosive properties	:	Not explosive	
O	kidizing properties	:	The substance or	mixture is not classified as oxidizing.
M	olecular weight	:	No data available	
	article characteristics article size	:	No data available	

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, han- dling 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.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of	:	Inhalation
exposure		Skin contact
		Ingestion



Versio 7.1		Revision Date: 2020/10/16		S Number: 837-00016	Date of last issue: 2020/03/23 Date of first issue: 2014/10/21
				Eye contact	
	Cute to lot clas	oxicity sified based on availa	ble	information.	
	Product	:: al toxicity	:	Acute toxicity estin Method: Calculation	mate: > 2,000 mg/kg on method
<u>c</u>	compoi	nents:			
С	ellulos	se:			
A	cute or	al toxicity	:	LD50 (Rat): > 5,00	00 mg/kg
A	cute in	halation toxicity	:	LC50 (Rat): > 5.8 Exposure time: 4 Test atmosphere:	h
A	cute de	ermal toxicity	:	LD50 (Rabbit): > 2	2,000 mg/kg
Е	zetimi	be:			
A	cute or	al toxicity	:	LD50 (Rat): > 5,00	00 mg/kg
				LD50 (Mouse): >	5,000 mg/kg
				LD50 (Dog): > 3,0	00 mg/kg
А	cute in	halation toxicity	:	Remarks: No data	available
A	cute de	ermal toxicity	:	Remarks: No data	available
	cute to dminist		:	LD50 (Rat): > 2,000 mg/kg Application Route: Intraperitoneal	
				LD50 (Mouse): > Application Route	1,000 - < 2,000 mg/kg : Intraperitoneal
S	odium	n-dodecyl sulfate:			
		al toxicity	:	LD50 (Rat): 1,200 Method: OECD Te	
A	cute de	ermal toxicity	:	LD50 (Rat): > 2,00 Method: OECD Te Remarks: Based o	
М	lagnes	ium stearate:			
A	cute or	al toxicity	:	icity	





sion	Revision Date: 2020/10/16	SDS Num 23837-00				
Acute dermal toxicity			LD50 (Rabbit): > 2,000 mg/kg Remarks: Based on data from similar materials			
2-Pyr	rolidone:					
Acute oral toxicity		Metho	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 401 Assessment: The substance or mixture has no acute oral tox- icity			
Acute dermal toxicity		Metho Asses	LD50 (Rabbit): > 2,000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity			
	corrosion/irritation	1				
	assified based on ava conents:	allable informa	ation.			
Ezetir						
Speci		: Rabbi	it			
Resul			in irritation			
Sodiu	ım n-dodecyl sulfate	:				
Speci	es	: Rabbi	it			
Resul	t	: Skin ir	rritation			
Magn	esium stearate:					
Speci		: Rabbi				
Resul Rema			in irritation d on data from similar materials			
Reilla	IKS	. Daseu				
-	rolidone:					
Speci Metho		: Rabbi	it D Test Guideline 404			
Resul			in irritation			
Serio	us eye damage/eye	irritation				
Not cl	assified based on ava	ailable informa	ation.			
<u>Comp</u>	oonents:					
Ezetir						
Speci Resul		: Rabbi : No ey	it e irritation			
Sodiu	ım n-dodecyl sulfate	•=				
Speci	-	: Rabbi	it			
Resul	t	: Irreve	rsible effects on the eye			
Metho	bd	· OFCD	D Test Guideline 405			



ersion 1	Revision Date: 2020/10/16	SDS Number: 23837-00016	Date of last issue: 2020/03/23 Date of first issue: 2014/10/21
Magn	esium stearate:		
Speci	es	: Rabbit	
Resu		: No eye irritatio	n
Rema	arks		from similar materials
2-Pyr	rolidone:		
Speci	es	: Rabbit	
Resul		: Irritation to eye	es, reversing within 7 days
Resp	iratory or skin sensi	tisation	
•	sensitisation		
Not cl	lassified based on ava	ailable information.	
-	iratory sensitisation		
	lassified based on ava	ailable information.	
	oonents:		
	mibe:		
Test		: Maximisation	Test
Speci		: Guinea pig	
Resu	lt	: negative	
Sodiu	um n-dodecyl sulfate):	
Test ⁻	Гуре	: Maximisation	Test
	sure routes	: Skin contact	
Speci	es	: Guinea pig	
Resu		: negative	
Rema	arks	: Based on data	from similar materials
Magn	esium stearate:		
Test 7	Гуре	: Maximisation	Test
	sure routes	: Skin contact	
Speci		: Guinea pig	
Metho		: OECD Test G	uideline 406
Resu		: negative	
Rema	arks	: Based on data	from similar materials
2-Pyr	rolidone:		
Test ⁻	Гуре	: Local lymph no	ode assay (LLNA)
	sure routes	: Skin contact	
Speci		: Mouse	
Metho		: OECD Test G	uideline 429
Resu		: negative	
Rema	arks	: Based on data	from similar materials
Gorm	cell mutagenicity		
	cell mutagenicity		
Not cl	lassified based on ava	ailable information.	



ersion .1	Revision Date: 2020/10/16	SDS Number: 23837-00016	Date of last issue: 2020/03/23 Date of first issue: 2014/10/21				
<u>Com</u>	oonents:						
Cellu	lose:						
Geno	toxicity in vitro		: Test Type: Bacterial reverse mutation assay (AMES) Result: negative				
		Test Type: In v Result: negativ	vitro mammalian cell gene mutation test ve				
Geno	toxicity in vivo	cytogenetic as Species: Mous Application Ro	: Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Ingestion Result: negative				
Ezeti	mibe:						
Geno	toxicity in vitro		cterial reverse mutation assay (AMES) /ation: with and without metabolic activation /e				
			romosomal aberration Iuman lymphocytes /e				
Geno	toxicity in vivo	Species: Mous Cell type: Bon Application Ro	Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Oral Result: negative				
Sodiu	um n-dodecyl sulfate	;					
	toxicity in vitro	: Test Type: Ba	cterial reverse mutation assay (AMES) D Test Guideline 471 /e				
		Test Type: In v Result: negativ	vitro mammalian cell gene mutation test ve				
Geno	toxicity in vivo	: Test Type: Ro Species: Mous Application Ro Result: negativ	ute: Ingestion				
Magn	esium stearate:						
	toxicity in vitro	Result: negativ	vitro mammalian cell gene mutation test ve ed on data from similar materials				
		Method: OECI Result: negativ	romosome aberration test in vitro D Test Guideline 473 /e ed on data from similar materials				



Versic 7.1	on Revision Date: 2020/10/16	SDS Numb 23837-0001		Date of last issue: 2020/03/23 Date of first issue: 2014/10/21
		Result:	negative	rial reverse mutation assay (AMES) on data from similar materials
2	-Pyrrolidone:			
G	Senotoxicity in vitro		pe: Bacter negative	rial reverse mutation assay (AMES)
		Method Result:	: OECD T negative	o mammalian cell gene mutation test est Guideline 476 on data from similar materials
		Method		nosome aberration test in vitro est Guideline 473
G	Senotoxicity in vivo	cytogen Species Applicat Method	etic assay : Mouse ion Route	nalian erythrocyte micronucleus test (in vivo /) e: Intraperitoneal injection est Guideline 474
	Carcinogenicity lot classified based on availa	ble informati	on.	
С	components:			
	cellulose:			
S A E	Species Application Route Exposure time Result	: Rat : Ingestio : 72 weel : negative	s	
-	zetimibe:			
S A E	Species Application Route Exposure time Result	: Rat, fen : oral (fee : 104 wee : negative	ed) eks	
A E	pecies pplication Route xposure time Result	: Rat, ma : oral (fee : 104 wee : negative	ed) eks	
A	pecies pplication Route xposure time Result	: Mouse : oral (fee : 104 wee : negative	eks	



Version 7.1	Revision Date: 2020/10/16	SDS Number: 23837-00016	Date of last issue: 2020/03/23 Date of first issue: 2014/10/21			
Sodiu	um n-dodecyl sulfate:					
Speci Applie	ies cation Route sure time od It	 Rat Ingestion 2 Years OECD Test Guideline 453 negative Based on data from similar materials 				
2-Pyr	rolidone:					
	cation Route sure time It	: Mouse : Ingestion : 18 month(s) : negative : Based on da	ata from similar materials			
-	oductive toxicity lassified based on availa	able information.				
Com	ponents:					
Cellu	lose:					
Effect	ts on fertility	Species: Ra	Route: Ingestion			
Effect ment	ts on foetal develop-	Species: Ra	Route: Ingestion			
Ezeti	mibe:					
	ts on fertility	Species: Ra Fertility: NO	Fertility/early embryonic development t, male and female AEL: > 1,000 mg/kg body weight ffects on fertility, No fetotoxicity			
Effect ment	ts on foetal develop-	Species: Ra Application I Developmer				
		Species: Ra Application I Developmer				
	um n-dodecyl sulfate: ts on fertility	: Test Type: 1 Species: Ra	wo-generation reproduction toxicity study			



Ezetimibe Formulation

ersion 1	Revision Date: 2020/10/16	SDS Number: 23837-00016	Date of last issue: 2020/03/23 Date of first issue: 2014/10/21
		Method: OE Result: nega	Route: Ingestion CD Test Guideline 416 tive ased on data from similar materials
Effects on foetal develop- ment		Species: Rat Application F Result: nega	Route: Ingestion
Magn	esium stearate:		
Effect	s on fertility	reproduction Species: Rat Application F Method: OE0 Result: nega	Route: Ingestion CD Test Guideline 422
Effect ment	s on foetal develop-	Species: Rat Application F Result: nega	Route: Ingestion
2-Pyr	rolidone:		
Effect	s on fertility	Species: Rat Application F Result: posit	Route: Ingestion
Effect ment	s on foetal develop-	Species: Rat	Route: Ingestion
Repro sessn	oductive toxicity - As- nent	ity, based on	ce of adverse effects on sexual function and fer animal experiments., Clear evidence of advers evelopment, based on animal experiments.
	- single exposure assified based on avai	able information.	
	- repeated exposure assified based on avai	able information.	
Repe	ated dose toxicity		
<u>Com</u>	oonents:		
Callu	•		

Cellulose: Species

: Rat



Versio 7.1	on	Revision Date: 2020/10/16		0S Number: 837-00016	Date of last issue: 2020/03/23 Date of first issue: 2014/10/21
A		tion Route re time	:	>= 9,000 mg/kg Ingestion 90 Days	
S N A E		s tion Route re time	:	Dog 1,000 mg/kg Oral 90 d No significant adv	erse effects were reported
N A E		tion Route re time	:	Rat 1,500 mg/kg Oral 90 d No significant adv	erse effects were reported
N A E		tion Route re time	:	Mouse 500 mg/kg Oral 90 d No significant adv	erse effects were reported
N A E		tion Route re time	:	Dog 300 mg/kg Oral 1 yr No significant adv	erse effects were reported
S N A E	Species NOAEL Applica	tion Route re time	:	Rat 488 mg/kg Ingestion 90 Days Based on data fro	m similar materials
S N A E	Species NOAEL Applica	tion Route re time	:	Rat > 100 mg/kg Ingestion 90 Days Based on data fro	m similar materials
S N A E	Species NOAEL Applica	tion Route re time	:	Rat 207 mg/kg Ingestion 3 Months OECD Test Guide	eline 408



ersion 1	Revision Date: 2020/10/16	-	9S Number: 837-00016	Date of last issue: 2020/03/23 Date of first issue: 2014/10/21
Not cl	ation toxicity assified based on availa	ble	information.	
	oonents:			
Ezetiı Not aj	mibe: pplicable			
Expe	rience with human exp	osu	ire	
<u>Comp</u>	oonents:			
Ezetii	mibe:			
Inges	tion	:		dache, Nausea, Vomiting, Diarrhoea, flatu- in, upper respiratory tract infection, Back
2. ECOLO	OGICAL INFORMATION	N		
Ecoto	oxicity			
Comp	oonents:			
Cellu	lose:			
	ity to fish	:	Exposure time: 4	tipes (Japanese medaka)): > 100 mg/l 8 h on data from similar materials
Ezetii	mibe:			
Toxici	ity to fish	:	Exposure time: 9 Method: OECD	es promelas (fathead minnow)): > 0.125 mg/l 96 h Fest Guideline 203 ricity at the limit of solubility
Toxici	ity to daphnia and other	:	EC50 (Daphnia r	nagna (Water flea)): > 4 mg/l
	ic invertebrates		Exposure time: 4	
				icity at the limit of solubility
Toxici plants	ity to algae/aquatic	:	0.317 mg/l Exposure time: 9 Method: OECD 7	rchneriella subcapitata (green algae)): > 96 h Fest Guideline 201 ricity at the limit of solubility
			mg/I Exposure time: 9 Method: OECD 7	irchneriella subcapitata (green algae)): 0.317 96 h Fest Guideline 201 icity at the limit of solubility
Toxici icity)	ity to fish (Chronic tox-	:	NOEC (Pimepha Exposure time: 3	les promelas (fathead minnow)): 0.051 mg/l 33 d



Version 7.1	Revision Date: 2020/10/16	-	0S Number: 837-00016	Date of last issue: 2020/03/23 Date of first issue: 2014/10/21
			Method: OECD Te	est Guideline 210
			Exposure time: 7	on variegatus (sheepshead minnow)): 4 mg/l d city at the limit of solubility
	ty to daphnia and other c invertebrates (Chron- city)	:	Exposure time: 21	nagna (Water flea)): 0.282 mg/l d city at the limit of solubility
M-Fac toxicity	ctor (Chronic aquatic	:	1	
	ty to microorganisms	:	EC50: > 4.4 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te Remarks: No toxid	ation inhibition
			NOEC: 4.4 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te Remarks: No toxic	ation inhibition
	m n-dodecyl sulfate: ty to fish	:	LC50 (Pimephales Exposure time: 96	s promelas (fathead minnow)): 29 mg/l s h
	ty to daphnia and other c invertebrates	:	EC50 (Ceriodaphi Exposure time: 48	nia dubia (water flea)): 5.55 mg/l } h
Toxici plants	ty to algae/aquatic	:	ErC50 (Desmodes Exposure time: 72	smus subspicatus (green algae)): > 120 mg/l 2 h
			NOEC (Desmode: Exposure time: 72	smus subspicatus (green algae)): 30 mg/l ? h
Toxici icity)	ty to fish (Chronic tox-	:	NOEC (Pimephale mg/l Exposure time: 42	es promelas (fathead minnow)): >= 1.357 2 d
aquati	ty to daphnia and other c invertebrates (Chron-	:	NOEC (Ceriodaph Exposure time: 7	nnia dubia (water flea)): 0.88 mg/l d
ic toxic Toxici	city) ty to microorganisms	:	EC50: 135 mg/l Exposure time: 3	h
Magne	esium stearate:			
Toxici	ty to fish	:	Exposure time: 48 Method: DIN 3841	
Toxici	ty to daphnia and other	:	EL50 (Daphnia m	agna (Water flea)): > 1 mg/l



/ersion 7.1	Revision Date: 2020/10/16		S Number: 837-00016	Date of last issue: 2020/03/23 Date of first issue: 2014/10/21
aquat	tic invertebrates		Method: Directi Remarks: Base	47 h e: Water Accommodated Fraction ve 67/548/EEC, Annex V, C.2. ed on data from similar materials he limit of solubility
Toxic plants	ity to algae/aquatic s	:	mg/l Exposure time: Test substance Method: OECD Remarks: Base	tirchneriella subcapitata (green algae)): > 1 72 h 9: Water Accommodated Fraction 9 Test Guideline 201 9: don data from similar materials 9: limit of solubility
			mg/l Exposure time: Test substance Method: OECD	dokirchneriella subcapitata (green algae)): > 1 72 h e: Water Accommodated Fraction 9 Test Guideline 201 ed on data from similar materials
Toxic	ity to microorganisms	:	Exposure time: Test substance	monas putida): > 100 mg/l 16 h :: Water Accommodated Fraction ed on data from similar materials
2-Pyr	rolidone:			
	ity to fish	:	Exposure time:	rio (zebra fish)): > 4,600 - 10,000 mg/l 96 h Test Guideline 203
	ity to daphnia and other tic invertebrates	:	EC50 (Daphnia Exposure time:	n magna (Water flea)): > 500 mg/l 48 h
Toxic plants	ity to algae/aquatic s	:	ErC50 (Desmo Exposure time:	desmus subspicatus (green algae)): > 500 mg 72 h
			EC10 (Desmod Exposure time:	lesmus subspicatus (green algae)): 22.2 mg/l 72 h
Toxic	ity to microorganisms	:	EC50: > 1,000 Exposure time: Method: OECD	
Persi	stence and degradabili	ity		
Com	ponents:			
Cellu Biode	lose: egradability	:	Result: Readily	biodegradable.
	mibe: egradability	:	Result: Not rea	dily biodegradable.



Versio 7.1	n Revision Date: 2020/10/16	-	DS Number: 837-00016	Date of last issue: 2020/03/23 Date of first issue: 2014/10/21	
			Biodegradation: 6 Exposure time: 28		
St	ability in water	:	Hydrolysis: 50 %(Method: OECD To		
	Sodium n-dodecyl sulfate: Biodegradability		Result: Readily biodegradable. Biodegradation: 95 % Exposure time: 28 d Method: OECD Test Guideline 301B		
	agnesium stearate: odegradability	:	Result: Not biode Remarks: Based	gradable on data from similar materials	
	Pyrrolidone: odegradability	:	Result: Readily bi Remarks: Based o	odegradable. on data from similar materials	
Bi	oaccumulative potential				
<u>C</u>	omponents:				
	zetimibe: oaccumulation	:	Species: Lepomis Bioconcentration Exposure time: 97 Method: OECD To	7 d	
	artition coefficient: n- stanol/water	:	log Pow: 4.36		
Pa	odium n-dodecyl sulfate: artition coefficient: n- ctanol/water	:	log Pow: 0.83		
Pa	agnesium stearate: artition coefficient: n- ctanol/water	:	log Pow: > 4		
Pa	Pyrrolidone: artition coefficient: n- ctanol/water	:	log Pow: -0.71 Method: OECD To	est Guideline 107	
М	obility in soil				
<u>C</u> (omponents:				
	zetimibe:				
	stribution among environ- ental compartments	:	log Koc: 4.35 Method: OECD To	est Guideline 106	





Version 7.1	Revision Date: 2020/10/16		OS Number: 837-00016	Date of last issue: 2020/03/23 Date of first issue: 2014/10/21
	rdous to the ozone lay	er		
	pplicable			
	r adverse effects			
No da	ata available			
13. DISPC	SAL CONSIDERATION	NS		
Dispo	osal methods			
	e from residues aminated packaging	:	 Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. 	
14. TRAN	SPORT INFORMATION	I		
Interr	national Regulations			
UNR	ſDG			
UN n	umber	:	UN 3077	
Prope	er shipping name	:	ENVIRONMEN N.O.S. (Ezetimibe)	TALLY HAZARDOUS SUBSTANCE, SOLID,
Class		:	9	
Packi Label	ng group s	:	 9	
ΙΑΤΑ				
UN/IE		÷	UN 3077	- homendaria and attacks and all a sign
	er shipping name	:	(Ezetimibe)	y hazardous substance, solid, n.o.s.
Class		÷	9 III	
Label	ng group s	:	Miscellaneous	
	ng instruction (cargo	:	956	
Packi	ng instruction (passen-	:	956	
	onmentally hazardous	:	yes	
-	G-Code			
	umber er shipping name	:	UN 3077 ENVIRONMEN N.O.S. (Ezetimibe)	TALLY HAZARDOUS SUBSTANCE, SOLID,
Class		:	9	
	ng group	:	III	
Label		:	9	
EmS	Code e pollutant	÷	F-A, S-F yes	

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

Not applicable for product as supplied.

National Regulations

Refer to section 15 for specific national regulation.



Version	Revision Date:	SDS Number:	Date of last issue: 2020/03/23
7.1	2020/10/16	23837-00016	Date of first issue: 2014/10/21

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 Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. REGULATORY INFORMATION

Related Regulations

Fire Service Law

Not applicable to dangerous materials / designated flammables.

Chemical Substance Control Law

Priority Assessment Chemical Substance

Chemical name	Number
Sodium alkyl(C=8-18) sulfate	214

Industrial Safety and Health Law

Harmful Substances Prohibited from Manufacture

Not applicable

Harmful Substances Required Permission for Manufacture

Not applicable

Substances Prevented From Impairment of Health

Not applicable

Circular concerning Information on Chemicals having Mutagenicity - Annex 2: Information on Existing Chemicals having Mutagenicity

Not applicable

Circular concerning Information on Chemicals having Mutagenicity - Annex 1: Information on Notified Substances having Mutagenicity

Not applicable

Substances Subject to be Notified Names

Article 57-2 (Enforcement Order Table 9)

Chemical name	Number	Concentration (%)
Magnesium stearate	327	>=1 - <10

Substances Subject to be Indicated Names

Article 57 (Enforcement Order Article 18)	
Chemical name	Number
Magnesium stearate	327

Ordinance on Prevention of Hazards Due to Specified Chemical Substances

Not applicable

Ordinance on Prevention of Lead Poisoning

Not applicable

Ordinance on Prevention of Tetraalkyl Lead Poisoning

Not applicable



	Revision Date: 2020/10/16	SDS Number: 23837-00016	Date of last issue Date of first issue	
Ordin	ance on Prevention	n of Organic Solvent I	Poisoning	
Not a	pplicable			
		e Industrial Safety an	d Health Law - Attac	hed table 1 (Dangerous
	tances)			
	pplicable			
		ous Substances Contr	ol Law	
	pplicable			
		 of Release Amounts n of Improvements to 		al Substances in the En
		-		
	I Designated Chen	lical Substances	Numerican	Concentration (0/
-	nical name um Lauryl Sulfate		Number 275	Concentration (%
·	Pressure Gas Safet	w Act	210	2.0
-	pplicable	y Act		
	osive Control Law			
•	pplicable			
	el Safety Law			
	•	substances and article	s (Article 2 and 3 of ru	les on shipping and stor-
		nd its Attached Table 1		
Aviat	ion Law			
	Ilaneous dangerous aw and its Attached		s (Article 194 of The E	Enforcement Rules of Avia
Marin	e Pollution and Sea	a Disaster Prevention	etc Law	
Bulk t	ransportation	: Not classified	as noxious liquid subs	stance
Pack	transportation	: Classified as n	narine pollutant	
			-	
Narco	otics and Psychotro	pics Control Act		
Narco	tic or Psychotropic F	opics Control Act Raw Material (Export / I	mport Permission)	
Narco Not a	otic or Psychotropic F pplicable	aw Material (Export / I		
Narco Not a Speci	otic or Psychotropic F pplicable	-		sion)
Narco Not a Speci Not a	otic or Psychotropic F pplicable fic Narcotic or Psych pplicable	aw Material (Export / I otropic Raw Material (I		sion)
Narco Not a Speci Not a Wast e	tic or Psychotropic F pplicable fic Narcotic or Psych	aw Material (Export / I otropic Raw Material (I		sion)
Narco Not a Speci Not a Wast e Indus	otic or Psychotropic F pplicable fic Narcotic or Psych pplicable e Disposal and Pub trial waste	Raw Material (Export / I otropic Raw Material (I lic Cleansing Law	Export / Import permis	
Narco Not a Speci Not a Wast e Indus	otic or Psychotropic F pplicable fic Narcotic or Psych pplicable e Disposal and Pub trial waste	aw Material (Export / I otropic Raw Material (I	Export / Import permis	
Narco Not a Speci Not a Wast Indus The c	otic or Psychotropic F pplicable fic Narcotic or Psych pplicable e Disposal and Pub trial waste	Raw Material (Export / I otropic Raw Material (F lic Cleansing Law product are reported	Export / Import permis in the following inve	
Narco Not a Speci Not a Wast Indus The c AICS	otic or Psychotropic F pplicable fic Narcotic or Psych pplicable e Disposal and Pub trial waste components of this	Raw Material (Export / I otropic Raw Material (I lic Cleansing Law product are reported : not determined	Export / Import permis in the following inve d	

Further information



Version 7.1	Revision Date: 2020/10/16		DS Number: 837-00016	Date of last issue: 2020/03/23 Date of first issue: 2014/10/21
	es of key data used to ile the Safety Data	:		data, data from raw material SDSs, OECD arch results and European Chemicals Agen- ropa.eu/
Date	Date format		yyyy/mm/dd	
Full to	ext of other abbreviati	ons		
ACGI	Н	:	USA. ACGIH Thre	eshold Limit Values (TLV)
ACGI	H / TWA	:	8-hour, time-weig	hted average
Land Carcir	of Brazil; ASTM - Ame nogen, Mutagen or Re	ricar pro	n Society for the To ductive Toxicant; I	s; ANTT - National Agency for Transport by esting of Materials; bw - Body weight; CMR - DIN - Standard of the German Institute for

y ۱r Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; 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; 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; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System

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.

JP / EN