

Versior 4.5	n Revision Date: 16.10.2020		S Number: 69-00015	Date of last issue: 23.03.2020 Date of first issue: 29.10.2014		
SECTION 1. PRODUCT AND COMPANY IDENTIFICATION						
Pr	oduct name	:	Ezetimibe / Atorv	astatin Formulation		
M	anufacturer or supplier's d	etai	ls			
Co	ompany	:	Organon & Co.			
Ac	ddress	:	30 Hudson Stree Jersey City, New	t, 33nd floor Jersey, U.S.A 07302		
Τe	elephone	:	551-430-6000			
Er	nergency telephone number		215-631-6999			
E-	mail address	:	EHSSTEWARD	⊉organon.com		
Recommended use of the ch		nemi	ical and restriction	ons on use		
Re	ecommended use	:	Pharmaceutical			
SECTI	ON 2. HAZARDS IDENTIFIC	CAT	ION			
G	HS Classification					
	pecific target organ toxicity - peated exposure (Oral)	:	Category 2 (Liver	r, muscle)		
G	HS label elements					
Ha	azard pictograms	:				
			V			

Signal word	:	Warning	
Hazard statemen	ts :	H373 May cause damage to organs (Liver, muscle) through prolonged or repeated exposure if swallowed.	

Precautionary statements

Prevention: P260 Do not breathe dust.

### Response: P314 Get medical advice/ attention if you feel unwell.

**Disposal:** P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards which do not result in classification

2

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin. May form explosive dust-air mixture during processing, handling or other means.



Version	Revision Date:	SDS Number:	Date of last issue: 23.03.2020
4.5	16.10.2020	26469-00015	Date of first issue: 29.10.2014

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

Substance / Mixture : Mixture

Components	5
------------	---

Chemical name	CAS-No.	Concentration (% w/w)
Cellulose	9004-34-6	>= 10 -< 30
Atorvastatin	134523-03-8	>= 10 -< 30
Ezetimibe	163222-33-1	< 10
Magnesium stearate	557-04-0	< 10

#### **SECTION 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	:	Wash with water and soap. Get medical attention if symptoms occur.
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	:	May cause damage to organs through prolonged or repeated exposure if swallowed. Contact with dust can cause mechanical irritation or drying of
Protection of first-aiders	:	the skin. Dust contact with the eyes can lead to mechanical irritation. First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment
Notes to physician	:	when the potential for exposure exists (see section 8). Treat symptomatically and supportively.

#### **SECTION 5. FIREFIGHTING 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 Metal oxides



Versi 4.5	ion Revision I 16.10.202			9S Number: 469-00015	Date of last issue: 23.03.2020 Date of first issue: 29.10.2014	
	Specific extinguish ods Special protective for firefighters Hazchem Code	-	:	<ul> <li>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.</li> <li>In the event of fire, wear self-contained breathing appara Use personal protective equipment.</li> <li>2Z</li> </ul>		
SEC	TION 6. ACCIDEN	ITAL RELE	ASE	EMEASURES		
	Personal precautions, protec- tive equipment and emer- gency procedures		:		ective equipment. ng advice (see section 7) and personal pro- recommendations (see section 8).	
	Environmental precautions		:	Retain and dispos	akage or spillage if safe to do so. e of contaminated wash water. hould be advised if significant spillages	
	Methods and mate		:	tainer for disposal Avoid dispersal of with compressed a Dust deposits sho es, as these may leased into the atr Local or national r posal of this mate employed in the c mine which regula Sections 13 and 1	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	: Use only with adequate ventilation.	
Advice on safe handling	: Do not breathe dust.	
	Do not swallow.	
	Avoid contact with eyes.	
	Avoid prolonged or repeated contact with skin.	
	Handle in accordance with good industrial hygiene and safety	y
	practice, based on the results of the workplace exposure as-	
	sessment	
	Minimize dust generation and accumulation.	
	Keep container closed when not in use.	
	Keep away from heat and sources of ignition.	



Versio 4.5	n Revision Date: 16.10.2020	SDS Number: 26469-00015	Date of last issue: 23.03.2020 Date of first issue: 29.10.2014
н	ygiene measures	<ul> <li>Take care to preenvironment.</li> <li>If exposure to cliflushing systems place.</li> <li>When using do Wash contamination The effective op engineering con appropriate deg</li> </ul>	hary measures against static discharges. event spills, waste and minimize release to the hemical is likely during typical use, provide eye s and safety showers close to the working not eat, drink or smoke. ated clothing before re-use. beration of a facility should include review of trols, proper personal protective equipment, owning and decontamination procedures, he monitoring, medical surveillance and the rative controls.
С	onditions for safe storage		/ labelled containers. ance with the particular national regulations.
М	laterials to avoid		h the following product types:

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of	Control parame- ters / Permissible	Basis
		exposure)	concentration	
Cellulose	9004-34-6	TWA	10 mg/m3	AU OEL
	Further inform	ation: This value	is for inhalable dust	containing no
	asbestos and -	< 1% crystalline	silica	
		TWA	10 mg/m3	ACGIH
Atorvastatin	134523-03-8	TWA	0.05 mg/m3 (OEB 3)	Internal
		Wipe limit	0.5 mg/100 cm <sup>2</sup>	Internal
Ezetimibe	163222-33-1	TWA	25 µg/m3 (OEB 3)	Internal
		Wipe limit	250 µg/100 cm <sup>2</sup>	Internal
Magnesium stearate	557-04-0	TWA	10 mg/m3	AU OEL
		ation: This value < 1% crystalline	is for inhalable dust silica	containing no
		TWA (Inhal- able particu- late matter)	10 mg/m3	ACGIH
		TWA (Res- pirable par-	3 mg/m3	ACGIH
		ticulate mat- ter)		

### Components with workplace control parameters

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 containment devices). Minimize open handling.



Version 4.5	Revision Date: 16.10.2020		OS Number: 469-00015	Date of last issue: 23.03.2020 Date of first issue: 29.10.2014	
Pers	onal protective equipn	nent			
Fi	Respiratory protection Filter type Hand protection		If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Particulates type		
Material		:	Chemical-resistar	nt gloves	
Eyer	emarks protection and body protection	:	If the work enviro mists or aerosols Wear a faceshield potential for direct aerosols. Work uniform or I Additional body g task being perform posable suits) to a	ses with side shields or goggles. nment or activity involves dusty conditions, , wear the appropriate goggles. d or other full face protection if there is a t contact to the face with dusts, mists, or aboratory coat. arments should be used based upon the med (e.g., sleevelets, apron, gauntlets, dis- avoid exposed skin surfaces. degowning techniques to remove potentially	

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Colour	:	off-white
Odour	:	No data available
Odour 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, han- dling or other means.
Flammability (solid, gas) Flammability (liquids)	:	
	:	dling or other means. No data available

### SAFETY DATA SHEET



### **Ezetimibe / Atorvastatin Formulation**

Ver 4.5	sion	Revision Date: 16.10.2020		S Number: 469-00015	Date of last issue: 23.03.2020 Date of first issue: 29.10.2014
	Vapou	rpressure	:	No data available	e
	Relativ	e vapour density	:	No data available	9
	Relativ	e density	:	No data available	9
	Density	/	:	No data available	9
	Solubil Wat	ity(ies) ter solubility	:	0.01 g/l	
	Partitio octano	n coefficient: n-	:	No data available	9
		nition temperature	:	No data available	9
	Decom	position temperature	:	No data available	9
	Viscosi Visc	ity cosity, kinematic	:	No data available	9
	Explos	ive properties	:	Not explosive	
		ng properties Ilar weight	:	The substance o	r mixture is not classified as oxidizing.
	Particle	0	:	No data available	

#### 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, han- dling or other means. Can react with strong oxidizing agents.
Conditions to avoid	:	Heat, flames and sparks. Avoid dust formation.
Incompatible materials Hazardous decomposition products	:	Oxidizing agents

### SECTION 11. TOXICOLOGICAL INFORMATION

Exposure routes	: Inhalation Skin contact Ingestion Eye contact

### Acute toxicity

Not classified based on available information.

Result



## **Ezetimibe / Atorvastatin Formulation**

rsion 5	Revision Date: 16.10.2020		0S Number: 469-00015	Date of last issue: 23.03.2020 Date of first issue: 29.10.2014
<u>Com</u>	<u>oonents:</u>			
Cellu	lose:			
Acute	oral toxicity	:	LD50 (Rat): > 5,0	00 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 5.8 Exposure time: 4 Test atmosphere:	h
Acute	dermal toxicity	:	LD50 (Rabbit): > 2	2,000 mg/kg
Atorv	astatin:			
Acute	oral toxicity	:	LD50 (Rat, male a	and female): > 5,000 mg/kg
			LD50 (Mouse, ma	le and female): > 5,000 mg/kg
Ezetii				
Acute	oral toxicity	:	LD50 (Rat): > 5,0	00 mg/kg
			LD50 (Mouse): >	5,000 mg/kg
			LD50 (Dog): > 3,0	000 mg/kg
Acute	inhalation toxicity	:	Remarks: No data	a available
Acute	dermal toxicity	:	Remarks: No data	a available
	toxicity (other routes of histration)	:	LD50 (Rat): > 2,0 Application Route	
			LD50 (Mouse): > Application Route	1,000 - < 2,000 mg/kg : Intraperitoneal
Magn	esium stearate:			
Acute	oral toxicity	:	icity	
Acute	dermal toxicity	:	LD50 (Rabbit): > 2 Remarks: Based	2,000 mg/kg on data from similar materials
-	corrosion/irritation assified based on availa	ble	information	
	oonents:			
	astatin:			
Speci	es	:	Rabbit	
Dooul	+		No akin irritation	

: No skin irritation



ersion 5	Revision Date: 16.10.2020	SDS Number: 26469-00015	Date of last issue: 23.03.2020 Date of first issue: 29.10.2014
Ezeti	mibe:		
Speci	es	: Rabbit	
Resu		: No skin irritati	on
Magn	esium stearate:		
Speci		: Rabbit	
Resul		: No skin irritati	on
Rema			a from similar materials
Serio	us eye damage/eye	irritation	
	lassified based on av		
Com	oonents:		
Atory	vastatin:		
Speci	es	: Rabbit	
Resu		: No eye irritati	on
Metho	bd	: Draize Test	
Ezeti	mibe:		
Speci	es	: Rabbit	
Resu		: No eye irritati	on
Magn	esium stearate:		
Speci		: Rabbit	
Resu		: No eye irritati	on
Rema	arks	: Based on data	a from similar materials
Resp	iratory or skin sens	tisation	
Skin	sensitisation		
Not c	lassified based on av	ailable information.	
-	iratory sensitisation		
Not cl	lassified based on av	ailable information.	
<u>Com</u>	oonents:		
	vastatin:		
Test 7		: Maximisation	Test
	sure routes	: Skin contact	
Speci		: Guinea pig	
Resu	IC	: negative	
	mibe:		
Test		: Maximisation	Test
Speci		: Guinea pig	
Resu	IT	: negative	

### Magnesium stearate:

Test Type

: Maximisation Test



rsion	Revision Date: 16.10.2020	SDS Number: 26469-00015	Date of last issue: 23.03.2020 Date of first issue: 29.10.2014
Expos Specie Metho Resul Rema	bd t	: negative	Guideline 406 ta from similar materials
Chror	nic toxicity		
	cell mutagenicity assified based on av	ailable information.	
<u>Comp</u>	oonents:		
Cellul	lose:		
Genot	toxicity in vitro	: Test Type: B Result: nega	acterial reverse mutation assay (AMES) tive
		Test Type: Ir Result: nega	n vitro mammalian cell gene mutation test tive
Genot	toxicity in vivo	cytogenetic a Species: Mor	use Route: Ingestion
Atorv	astatin:		
Genot	toxicity in vitro		everse mutation assay Salmonella typhimurium tive
			everse mutation assay Escherichia coli tive
			n vitro mammalian cell gene mutation test Chinese hamster lung cells tive
			ster chromatid exchange assay Chinese hamster lung cells tive
Genot	toxicity in vivo	: Test Type: In Species: Mor Cell type: Bo Application R Result: nega	ne marrow Route: Oral
Ezetir	nibe:		
	toxicity in vitro		acterial reverse mutation assay (AMES) tivation: with and without metabolic activation tive



4.5	Revision Date: 16.10.2020	SDS Number: 26469-00015	Date of last issue: 23.03.2020 Date of first issue: 29.10.2014
			romosomal aberration Iuman lymphocytes /e
Geno	toxicity in vivo	: Test Type: Mic Species: Mous Cell type: Bon Application Ro Result: negativ	se e marrow ute: Oral
Magn	esium stearate:		
Geno	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
		Result: negativ	cterial reverse mutation assay (AMES) /e
		Remarks: Bas	ed on data from similar materials
	nogenicity lassified based on ava		ed on data from similar materials
Not c	• •		ed on data from similar materials
Not c	lassified based on ava		ed on data from similar materials
Not cl <u>Com</u> Cellu Speci	lassified based on ava ponents: lose: les	ailable information.	ed on data from similar materials
Not c <u>Com</u> Cellu Speci Applio	lassified based on ava <u>ponents:</u> lose: les cation Route	ailable information. : Rat : Ingestion	ed on data from similar materials
Not c <u>Com</u> Cellu Speci Applio	lassified based on ava <u>ponents:</u> lose: les cation Route sure time	ailable information.	ed on data from similar materials
Not cl <u>Comj</u> Cellu Speci Applio Expos Resu	lassified based on ava <u>ponents:</u> lose: les cation Route sure time	ailable information. : Rat : Ingestion : 72 weeks	ed on data from similar materials
Not c <u>Com</u> Cellu Speci Applio Expos Resu	lassified based on ava <u>conents:</u> lose: les cation Route sure time lt vastatin:	ailable information. : Rat : Ingestion : 72 weeks : negative	
Not c Com Speci Applic Expos Resu Atorv Speci Applic	lassified based on ava <u>conents:</u> lose: les cation Route sure time tr vastatin: les cation Route	ailable information. : Rat : Ingestion : 72 weeks : negative : Mouse, male a : oral (gavage)	
Not c Com Speci Applic Expos Resu Atory Speci Applic Expos	lassified based on ava <u>conents:</u> lose: les cation Route sure time tr vastatin: les cation Route sure time	ailable information. : Rat : Ingestion : 72 weeks : negative : Mouse, male a : oral (gavage) : 2 Years	and female
Not c Com Speci Applic Expos Resu Atory Speci Applic Expos NOAE	lassified based on ava <u>ponents:</u> lose: les cation Route sure time lt vastatin: les cation Route sure time sure time sure time	ailable information. : Rat : Ingestion : 72 weeks : negative : Mouse, male a : oral (gavage) : 2 Years : 200 mg/kg boo	and female dy weight
Not c Com Speci Applic Expos Resu Atory Speci Applic Expos	lassified based on ava <u>ponents:</u> lose: les cation Route sure time lt vastatin: les cation Route sure time EL L	ailable information. : Rat : Ingestion : 72 weeks : negative : Mouse, male a : oral (gavage) : 2 Years	and female dy weight
Not c Com Speci Applic Expos Resu Atory Speci Applic Expos NOAE LOAE Resu	lassified based on ava <u>ponents:</u> lose: les cation Route sure time lt vastatin: les cation Route sure time EL L	ailable information. : Rat : Ingestion : 72 weeks : negative : Mouse, male a : oral (gavage) : 2 Years : 200 mg/kg boo : 400 mg/kg boo	and female dy weight
Not cl Comj Cellu Speci Applic Expos Resu Atory Speci Applic Expos NOAE LOAE Resu Targe	lassified based on ava <u>conents:</u> lose: les cation Route sure time t vastatin: les cation Route sure time EL EL lt of Organs les	ailable information. : Rat : Ingestion : 72 weeks : negative : Mouse, male a : oral (gavage) : 2 Years : 200 mg/kg boo : 400 mg/kg boo : negative	and female dy weight
Not cl Comj Cellu Speci Applic Expos Resu Atory Speci Applic Expos NOAE LOAE Resu Targe	lassified based on ava <u>conents:</u> lose: les cation Route sure time ta vastatin: les cation Route sure time EL EL ta ta ta ta ta ta ta ta ta ta	ailable information. : Rat : Ingestion : 72 weeks : negative : Mouse, male a : oral (gavage) : 2 Years : 200 mg/kg boo : 400 mg/kg boo : negative : Liver : Rat, female : oral (gavage)	and female dy weight
Not cl Comj Cellu Speci Applic Expos Resu Atory Speci Applic Expos NOAE LOAE Resu Targe	lassified based on ava <u>conents:</u> lose: les cation Route sure time tt vastatin: les cation Route sure time EL EL tt ot Organs les cation Route sure time EL	ailable information. : Rat : Ingestion : 72 weeks : negative : Mouse, male a : oral (gavage) : 2 Years : 200 mg/kg boo : 400 mg/kg boo : negative : Liver : Rat, female	and female dy weight dy weight



Version 4.5	Revision Date: 16.10.2020		OS Number: 469-00015	Date of last issue: 23.03.2020 Date of first issue: 29.10.2014
Spec Appli	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	
-	oductive toxicity lassified based on ava	ilable	information.	
Com	ponents:			
	<b>Ilose:</b> ts on fertility	:	Test Type: One Species: Rat Application Rot Result: negativ	
Effec ment	ts on foetal develop-	:	Test Type: Fer Species: Rat Application Ro Result: negativ	
Atory	vastatin:			
	ts on fertility	:	Species: Rat, f Fertility: NOAE Result: No effe	L: 225 mg/kg body weight
			Species: Rat, r	nale L: 175 mg/kg body weight
Effec ment	ts on foetal develop-	:	Result: No tera	emale Toxicity: NOAEL: 20 mg/kg body weight togenic effects, Embryo-foetal toxicity ernal toxicity observed.



ersion 5	Revision Date: 16.10.2020	SDS Number: 26469-00015	Date of last issue: 23.03.2020 Date of first issue: 29.10.2014
Ezetir	nibe:		
Effect	s on fertility	Species: Rat, Fertility: NOA	rtility/early embryonic development male and female EL: > 1,000 mg/kg body weight ects on fertility, No fetotoxicity
Effect: ment	s on foetal develop-	: Test Type: De Species: Rat Application Ro Developmenta Result: No ad	oute: Oral al Toxicity: NOAEL: > 1,000 mg/kg body weight
		Test Type: De Species: Rabb Application Ro Developmenta Result: No adv	bit bute: Oral al Toxicity: NOAEL: > 1,000 mg/kg body weight
Magn	esium stearate:		
Effect	s on fertility	reproduction/c Species: Rat Application Ro Method: OEC Result: negati	mbined repeated dose toxicity study with the levelopmental toxicity screening test oute: Ingestion D Test Guideline 422 ve ed on data from similar materials
Effect: ment	s on foetal develop-	Species: Rat Application Ro Result: negati	nbryo-foetal development oute: Ingestion ve ed on data from similar materials

#### STOT - repeated exposure

May cause damage to organs (Liver, muscle) through prolonged or repeated exposure if swal-lowed.

#### Components:

### Atorvastatin:

Exposure routes Target Organs	:	Ingestion Liver, muscle
Assessment	:	May cause damage to organs through prolonged or repeated exposure.

#### Repeated dose toxicity

#### **Components:**

Cellulose:		
Species	:	Rat



Version 4.5	Revision Date: 16.10.2020	SDS Number: 26469-00015	Date of last issue: 23.03.2020 Date of first issue: 29.10.2014
NOAE	EL	: >= 9,000 mg/k	g
	cation Route	: Ingestion	
Expos	sure time	: 90 Days	
Atorv	astatin:		
Speci	es	: Rat, male and	female
LOAE		: 70 mg/kg	
	cation Route	: oral (gavage)	
	sure time	: 52 Weeks	
Targe	et Organs	: Liver	
Speci		: Dog	
LOAE		: 10 mg/kg	
	cation Route	: oral (gavage) : 104 Weeks	
•	sure time	: Liver	
raige	t Organs	. Livei	
Ezetii	mibe:		
Speci	es	: Dog	
NOAE		: 1,000 mg/kg	
	cation Route	: Oral	
	sure time	: 90 d	
Rema	irks	: No significant	adverse effects were reported
Speci	es	: Rat	
NOAE		: 1,500 mg/kg	
	cation Route	: Oral	
	sure time	: 90 d	
Rema	ırks	: No significant	adverse effects were reported
Speci		: Mouse	
NOAE		: 500 mg/kg	
	cation Route	: Oral	
•	sure time	: 90 d	
Rema	Irks	: No significant	adverse effects were reported
Speci		: Dog	
NOAE		: 300 mg/kg	
	cation Route	: Oral	
	sure time	: 1 yr	
Rema	Irks	: No significant	adverse effects were reported
Magn	esium stearate:		
Speci	es	: Rat	
NOAE		: > 100 mg/kg	
Applic	cation Route	: Ingestion	
	sure time	: 90 Days	
Rema		<b>D</b> 1 1 4	from similar materials

#### Aspiration toxicity

Not classified based on available information.



Version 4.5	Revision Date: 16.10.2020		DS Number: 469-00015	Date of last issue: 23.03.2020 Date of first issue: 29.10.2014
Eze	n <b>ponents:</b> t <b>imibe:</b> applicable			
Exp	erience with human exp	osi	ıre	
Con	nponents:			
Ato	rvastatin:			
Inge	stion	:		le pain, Fatigue, stomach discomfort, Ab- stipation, flatulence, liver function change
Eze	timibe:			
Inge	stion	:		ache, Nausea, Vomiting, Diarrhoea, flatu- n, upper respiratory tract infection, Back
SECTIO	N 12. ECOLOGICAL INFO	OR	MATION	
Fco	toxicity			
	<u>ponents:</u>			
	ulose:			
	city to fish	:	LC50 (Oryzias latipes (Japanese medaka)): > 100 mg/l Exposure time: 48 h Remarks: Based on data from similar materials	
Ato	rvastatin:			
Тохі	city to fish	:	LC50 (Pimephales promelas (fathead minnow)): > 92 mg/l Exposure time: 96 h Method: OECD Test Guideline 203	
	city to daphnia and other atic invertebrates	:	EC50 (Daphnia magna (Water flea)): 200 mg/l Exposure time: 48 h Method: OECD Test Guideline 202	
Toxi plan	city to algae/aquatic ts	:	EC50 (Pseudokin mg/l Exposure time: 72 Method: OECD T	
			NOEC (Pseudoki mg/l Exposure time: 72 Method: OECD T	
Toxi icity	city to fish (Chronic tox- )	:	NOEC (Pimephales promelas (fathead minnow)): 0.49 mg/l Exposure time: 33 d Method: OECD Test Guideline 210	
	city to daphnia and other atic invertebrates (Chron-	:	NOEC (Daphnia magna (Water flea)): 0.2 mg/l Exposure time: 21 d	



ersion .5	1	Revision Date: 16.10.2020		S Number: 469-00015	Date of last issue: 23.03.2020 Date of first issue: 29.10.2014		
ic t	toxicit	y)		Method: OECD Test Guideline 211			
To	xicity	to microorganisms	:	EC50: > 1,000 mg/l Exposure time: 3 h Test Type: Respiration inhibition			
Ez	etimi	be:					
To	xicity	to fish	:	Exposure time: 96 Method: OECD Te			
		to daphnia and other invertebrates	:	Exposure time: 48 Method: OECD Te			
	xicity ants	to algae/aquatic	:	0.317 mg/l Exposure time: 96 Method: OECD Te	chneriella subcapitata (green algae)): > 6 h est Guideline 201 city at the limit of solubility		
				mg/l Exposure time: 96 Method: OECD Te			
To: icit	-	to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 33 Method: OECD Te			
				Exposure time: 7	on variegatus (sheepshead minnow)): 4 mg d city at the limit of solubility		
aq		to daphnia and other invertebrates (Chron- y)	:	Exposure time: 21	nagna (Water flea)): 0.282 mg/l d city at the limit of solubility		
To	xicity	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 toxid	ation inhibition		

Magnesium stearate:



rsion	Revision Date: 16.10.2020		9S Number: 469-00015	Date of last issue: 23.03.2020 Date of first issue: 29.10.2014
Toxicit	y to fish	:	<ul> <li>LC50 (Leuciscus idus (Golden orfe)): &gt; 100 mg/l Exposure time: 48 h Method: DIN 38412 Remarks: Based on data from similar materials</li> </ul>	
	y to daphnia and other c invertebrates	:	Exposure time: 4 Test substance: Method: Directive	Water Accommodated Fraction e 67/548/EEC, Annex V, C.2. on data from similar materials
Toxicit <u>;</u> plants	y to algae/aquatic	:	mg/l Exposure time: 7 Test substance: 1 Method: OECD T	Water Accommodated Fraction est Guideline 201 on data from similar materials
			mg/l Exposure time: 7 Test substance: 1 Method: OECD T	kirchneriella subcapitata (green algae)): > 2 h Water Accommodated Fraction est Guideline 201 on data from similar materials
Toxicit	y to microorganisms	:	Exposure time: 1 Test substance:	onas putida): > 100 mg/l 6 h Water Accommodated Fraction on data from similar materials
Persis	tence and degradabil	ity		
Comp	onents:			
<b>Cellulo</b> Biodeg	<b>ose:</b> gradability	:	Result: Readily b	iodegradable.
Atorva	astatin:			
Biodeg	gradability	:	Result: Not readi Biodegradation: Exposure time: 2 Method: OECD T	7.7 %
Ezetim	nibe:			
	arodobility	:	Result: Not readi	
Biodeg	gradability		Biodegradation: Exposure time: 2	



Vers 4.5	sion	Revision Date: 16.10.2020		OS Number: 469-00015	Date of last issue: 23.03.2020 Date of first issue: 29.10.2014
	<b>Magnesium stearate:</b> Biodegradability		:	Result: Not biode Remarks: Based	gradable on data from similar materials
	Bioac	cumulative potential			
	<u>Comp</u>	onents:			
	Partitio	astatin: on coefficient: n- ol/water	:	log Pow: 1.62	
	Ezetin	nibe:			
	Bioaco	cumulation	:	Bioconcentration Exposure time: 9	s macrochirus (Bluegill sunfish) factor (BCF): 173 7 d fest Guideline 305
		on coefficient: n- bl/water	:	log Pow: 4.36	
	Magnesium stearate: Partition coefficient: n- octanol/water		:	log Pow: > 4	
	Mobili	ity in soil			
	<u>Comp</u>	onents:			
	Atorva	astatin:			
		ution among environ- I compartments	:	log Koc: 2.84	
		nibe: ution among environ- l compartments	:	- <b>J</b>	est Guideline 106
	•	adverse effects ta available			

#### SECTION 13. DISPOSAL CONSIDERATIONS

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

### SECTION 14. TRANSPORT INFORMATION

### International Regulations

### UNRTDG

UN number	
-----------	--

: UN 3077



Version 4.5	Revision Date: 16.10.2020		9S Number: 469-00015	Date of last issue: 23.03.2020 Date of first issue: 29.10.2014
Class	Packing group		ENVIRONMENTA N.O.S. (Ezetimibe, Atorv 9 III 9	ALLY HAZARDOUS SUBSTANCE, SOLID,
UN/ID N Proper : Class Packing Labels Packing aircraft) Packing ger airc	IATA-DGR UN/ID No. Proper shipping name Class Packing group		UN 3077 Environmentally h (Ezetimibe, Atorv 9 III Miscellaneous 956 956 yes	nazardous substance, solid, n.o.s. rastatin)
Class Packing Labels EmS Co	nber shipping name g group	:	UN 3077 ENVIRONMENTA N.O.S. (Ezetimibe, Atorva 9 III 9 F-A, S-F yes	ALLY HAZARDOUS SUBSTANCE, SOLID,
•	ort in bulk according	-		OL 73/78 and the IBC Code
Nationa	al Regulations			
<b>ADG</b> UN num	nber	:	UN 3077	

UN number	:	UN 3077
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
		N.O.S.
		(Ezetimibe, Atorvastatin)
Class	:	9
Packing group	:	III
Labels	:	9
Hazchem Code	:	2Z

#### 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.

#### **SECTION 15. REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture



Version 4.5	Revision Date: 16.10.2020	SDS Number: 26469-00015	Date of last issue: 23.03.2020 Date of first issue: 29.10.2014
Prohi	bition/Licensing Require	ements	: There is no applicable prohibition, authorisation and restricted use requirements, including for carcino- gens referred to in Schedule 10 of the model WHS Act and Regula- tions.
The c	components of this pro	oduct are reported	in the following inventories:
AICS	-	: not determined	d
DSL		: not determined	d
IECS	С	: not determined	d

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

Further information					
Revision Date : Sources of key data used to : compile the Safety Data Sheet	16.10.2020 Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/				
Date format :	dd.mm.yyyy				
Full text of other abbreviations					
ACGIH :	USA. ACGIH Threshold Limit Values (TLV)				
AU OEL :	Australia. Workplace Exposure Standards for Airborne Con- taminants.				
ACGIH / TWA :	8-hour, time-weighted average				
AU OEL / TWA :	Exposure standard - time weighted average				

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for 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 Develop-



Version	Revision Date:	SDS Number:	Date of last issue: 23.03.2020
4.5	16.10.2020	26469-00015	Date of first issue: 29.10.2014

ment; 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.

AU / EN