

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 6.7 Revision Date 03.01.2024 Print Date 04.05.2025

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : Bile Acid/Carnitine/Sterol Metabolite Library

of Standards

Product Number : BACSMLS Brand : Sigma

REACH No. : This product is a mixture. REACH Registration Number see

section 3.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

Uses advised against : For R&D use only. Not for pharmaceutical, household or other

uses

1.3

CHEMIKAKI

1.4 Emergency telephone

Emergency Phone # : 000 800 1007 141 (CHEMTREC)

This is a summary SDS for a kit. For the full SDS for each of the components listed in section 16 please visit our website.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Acute toxicity, (Category 4) H302: Harmful if swallowed.

Acute toxicity, (Category 4) H332: Harmful if inhaled.

Acute toxicity, (Category 4) H312: Harmful in contact with skin.

Sigma- BACSMLS Page 1 of 34

Skin irritation, (Category 2) H315: Causes skin irritation.

Eye irritation, (Category 2) H319: Causes serious eye irritation.

Reproductive toxicity, (Category

2)

H361d: Suspected of damaging the unborn

child.

Specific target organ toxicity - single exposure, (Category 3),

Respiratory system

H335: May cause respiratory irritation.

Long-term (chronic) aquatic

hazard, (Category 3)

H412: Harmful to aquatic life with long

IF exposed or concerned: Get medical advice/ attention.

lasting effects.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

none

Pictogram

Signal Word	Warning
Hazard Statements H302 + H312 + H332 H315 H319 H335 H361d H412	Harmful if swallowed, in contact with skin or if inhaled. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Suspected of damaging the unborn child. Harmful to aquatic life with long lasting effects.
Precautionary Statements	
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P312	IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
P302 + P352 + P312	IF ON SKIN: Wash with plenty of water.Call a POISON CENTER/doctor if you feel unwell.
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

Reduced Labeling (<= 125 ml)

Pictogram

P308 + P313

Statements

Supplemental Hazard

Signal Word Warning

Sigma- BACSMLS Page 2 of 34

Hazard Statements

H412 Harmful to aquatic life with long lasting effects.

H361d Suspected of damaging the unborn child.

Precautionary Statements

P280 Wear protective gloves/ protective clothing/ eye protection/ face

protection.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Supplemental Hazard

Statements

none

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Toxicological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

Refer to component SDS

SECTION 4: First aid measures

Refer to component SDS

SECTION 5: Firefighting measures

Refer to component SDS

SECTION 6: Accidental release measures

Refer to component SDS

SECTION 7: Handling and storage

1.1 Precautions for safe handling

Advice on safe handling

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

Hygiene measures

Sigma- BACSMLS Page 3 of 34

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Tightly closed.

Storage stabilityRecommended storage temperature -20 °C

Storage class

Storage class (TRGS 510): 10: Combustible liquids

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

Refer to component SDS

SECTION 9: Physical and chemical properties

Refer to component SDS

SECTION 10: Stability and reactivity

Refer to component SDS

SECTION 11: Toxicological information

Refer to component SDS

SECTION 12: Ecological information

Refer to component SDS

SECTION 13: Disposal considerations

Refer to component SDS

Sigma- BACSMLS Page 4 of 34

SECTION 14: Transport information

14.1 UN number

ADR/RID: -IMDG: -IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods

14.3 Transport hazard class(es)

IMDG: -IATA: -ADR/RID: -

14.4 Packaging group

IATA: -ADR/RID: -IMDG: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

No data available

Further information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Refer to component SDS

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

Kit Components:

5?-Cholestane 7-dehydrocholesterol **Epicoprostanol**

Deoxycholic acid

Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H302, H315, H319, H335

Brassicasterol

7?-Hydroxy-4-cholesten-

3-one

7?-Hydroxycholesterol

Allocholic Acid

Diosgenin

7-Hydroxy-3-oxo-

Cholest-4-en-26-oic Acid

Sodium

Sigma- BACSMLS Page 5 of 34 glycochenodeoxycholate Taurocholic acid sodium salt hydrate Cortisone Cholesterol Coprostan-3-ol 5-Cholesten-3?-ol-7-one Cholesterol 5?,6?epoxide ?-Muricholic Acid Cholesteryl acetate Cholesteryl palmitate Cholesteryl linoleate Cholesteryl oleate Cholesteryl stearate Cholesteryl behenate Desmosterol 5?-Cholest-7-en-3?-ol 5?-Cholestan-3?-ol Chenodeoxycholic acid

Ergosterol Campesterol

24(S)-Hydroxycholesterol Cholic acid

Stigmasterol ?-Sitosterol Lanosterol Acetyl-DL-carnitine hydrochloride 2-Methylbutyryl-Lcarnitine Malonyl-L-carnitine Hexanoyl-L-carnitine 3-Oxo-5?-cholanoic Acid Nutriacholic Acid Hyodeoxycholic acid Dehydrocholic acid ?-Muricholic Acid Glycolithocholic Acid sodium salt Glycoursodeoxycholic acid Glycocholic acid hydrate Hydroxybutyrylcarnitine Chloride

Repr. 2; H361d

Skin Irrit. 2; Eye Irrit. 2; H315, H319 Aquatic Chronic 4; H413 Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H302 + H312 + H332, H315, H319, H335

Skin Irrit. 2; Eye Irrit. 2; H315, H319

Eye Irrit. 2; H319

Sigma- BACSMLS Page 6 of 34

Corticosterone Lithocholic acid Nor-Desoxycholic Acid Murideoxycholic Acid 25-Hydroxycholesterol (3ALPHA,5BETA,7ALPHA) -3,7-DIHYDROXY-12-OXOCHOLAN-24-OIC **ACID** Hyocholic acid 3?,7?,12?-Trihydroxycoprostanic Acid Sodium taurolithocholate Taurodeoxycholic Acid (sodium salt) Tauro-?-muricholic Acid (sodium salt) Butyryl-L-carnitine Adipoyl-L-carnitine Ethyl 2-trans-4-cisdecadienoate Decanoyl-L-carnitine trans-2-Dodecenoyl-Lcarnitine

Skin Irrit. 2; Eye Irrit. 2; H315, H319

Skin Irrit. 2; Aquatic Chronic 3; H315, H412

Skin Irrit. 2; Eye Irrit. 2; H315, H319

27-hydroxycholesterol Ursocholic Acid Sodium tauroursodeoxycholate Arachidonyl-L-carnitine Tauro-?-muricholic acid sodium salt L-Carnitine hydrochloride Isobutyryl-L-carnitine Isovaleryl-L-carnitine Glutaryl-L-carnitine lithium salt [(3R)-3-Hydroxydodecanoyl]-Lcarnitine Propionyl-L-carnitine Palmitoyl-L-carnitine

Lauroyl-L-carnitine Ursodeoxycholic acid

Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335

7?-Hydroxy Cholesterol [(3R)-3-Hydroxyhexadecanoyl]-L-carnitine cis,cis-9,12-Octadecadienoyl-L-

Sigma- BACSMLS Page 7 of 34

carnitine Glycohyodeoxycholic Acid Sodium taurochenodeoxycholate Propionyl-L-carnitine Tigloyl-L-carnitine Valeryl-L-carnitine O-Succinyl-L-carnitine lithium salt trans-2-Octenoyl-Lcarnitine Octanoyl-L-carnitine 3-Methylglutarylcarnitine trans-2-Tetradecenoyl-Lcarnitine Myristoyl-L-carnitine Oleoyl-L-carnitine Stearoyl-L-carnitine Glycodeoxycholic acid sodium salt

Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335



Sigma- BACSMLS Page 8 of 34

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; 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; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS -Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Classification of the	Classification procedure:	
Acute Tox.4	H302	Calculation method
Acute Tox.4	H332	Calculation method
Acute Tox.4	H312	Calculation method
Skin Irrit.2	H315	Calculation method
Eye Irrit.2	H319	Calculation method
Repr.2	H361d	Calculation method
STOT SE3	H335	Calculation method
Aquatic Chronic3	H412	Calculation method

Sigma- BACSMLS Page 9 of 34

Further information

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Sigma- BACSMLS Page 10 of 34

Kit Components:

5?-Cholesta	5?-Cholestane						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental		
identifier		Word	Statements	Statements	information		
					Not a hazardous		
					substance or		
					mixture		
					according to		
					Regulation (EC)		
					No 1272/2008.		

7-dehydrocholesterol						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental	
identifier		Word	Statements	Statements	information	
					Not a hazardous	
					substance or	
					mixture	
					according to	
					Regulation (EC)	
					No 1272/2008.	

Epicoprostanol							
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information		
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.		

Deoxycholic acid						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental	
identifier		Word	Statements	Statements	information	
		Warning	Harmful if	Avoid breathing		
			swallowed.	dust. IF		
			Causes skin	SWALLOWED:		
			irritation.	Call a POISON		
			Causes serious	CENTER/ doctor		
			eye irritation.	if you feel		
			May cause	unwell. Wash		
			respiratory	skin thoroughly		
			irritation.	after handling.		
				IF ON SKIN:		

Sigma- BACSMLS Page 11 of 34

Wash with
plenty of water.
Do not eat,
drink or smoke
when using this
product. IF IN
EYES: Rinse
cautiously with
water for
several minutes.
Remove contact
lenses, if
present and
easy to do.
Continue
rinsing.

Brassicasterol						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental	
identifier		Word	Statements	Statements	information	
					Not a hazardous	
					substance or	
					mixture	
					according to	
					Regulation (EC)	
					No 1272/2008.	

7?-Hydroxy-4-cholesten-3-one						
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information	
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.	

7?-Hydroxycholesterol						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental	
identifier		Word	Statements	Statements	information	
					Not a hazardous	
					substance or	
					mixture	
					according to	
					Regulation (EC)	
					No 1272/2008.	

Sigma- BACSMLS Page 12 of 34

Allocholic Acid						
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information	
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.	

Diosgenin						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental	
identifier		Word	Statements	Statements	information	
					Not a hazardous	
					substance or	
					mixture	
					according to	
					Regulation (EC)	
					No 1272/2008.	

7-Hydroxy-3-	7-Hydroxy-3-oxo-Cholest-4-en-26-oic Acid								
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental				
identifier		Word	Statements	Statements	information				
					Not a hazardous				
					substance or				
					mixture				
					according to				
					Regulation (EC)				
					No 1272/2008.				

Sodium glycochenodeoxycholate								
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information			
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.			

Taurocholic acid sodium salt hydrate									
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental				
identifier		Word	Statements	Statements	information				
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.				

Sigma- BACSMLS Page 13 of 34

Cortisone					
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
		Warning	Suspected of	Obtain special	
			damaging the	instructions	
			unborn child.	before use. IF	
				exposed or	
				concerned: Get	
				medical advice/	
				attention.Store	
				locked up.	
				Dispose of	
				contents/	
				container to an	
				approved waste	
				disposal plant. Do not handle	
				until all safety	
				precautions	
				have been read	
				and understood.	
				Wear protective	
				gloves/	
				protective	
				clothing/ eye	
				protection/ face	
				protection.	

Cholestero					
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
					Not a hazardous
					substance or
					mixture
					according to
					Regulation (EC)
					No 1272/2008.

Coprostan-3	Coprostan-3-ol								
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information				
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.				

Sigma- BACSMLS Page 14 of 34

5-Cholesten-3	?-ol-7-one				
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
Cholesterol 53	?,6?-epoxide Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information

Cholesterol 5	Cholesterol 5?,6?-epoxide								
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental				
identifier		Word	Statements	Statements	information				
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.				

?-Muricholic Acid								
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental			
identifier		Word	Statements	Statements	information			
			ЛЦ	ΛΦ	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.			

Cholesteryl acetate								
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental			
identifier		Word	Statements	Statements	information			
					Not a hazardous			
					substance or			
					mixture			
					according to			
					Regulation (EC)			
					No 1272/2008.			

Cholesteryl palmitate								
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental			
identifier		Word	Statements	Statements	information			
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.			

Sigma- BACSMLS Page 15 of 34

Cholesteryl li	Cholesteryl linoleate								
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental				
identifier		Word	Statements	Statements	information				
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.				

Cholesteryl oleate							
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information		
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.		

Cholesteryl stearate							
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental		
identifier		Word	Statements	Statements	information		
					Not a hazardous		
					substance or		
					mixture		
					according to		
		Λ.			Regulation (EC)		
					No 1272/2008.		

Cholesteryl I	Cholesteryl behenate							
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental			
identifier		Word	Statements	Statements	information			
					Not a hazardous			
					substance or			
					mixture			
					according to			
					Regulation (EC)			
					No 1272/2008.			

Desmostero	ol				
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Sigma- BACSMLS Page 16 of 34

5?-Cholest-	5?-Cholest-7-en-3?-ol							
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental			
identifier		Word	Statements	Statements	information			
					Not a hazardous			
					substance or			
					mixture			
					according to			
					Regulation (EC)			
					No 1272/2008.			

5?-Cholesta	an-3?-ol				
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
identifier		vvoiu	Statements	Statements	Not a hazardous
					substance or
					mixture
					according to
					Regulation (EC)
					No 1272/2008.

Chenodeoxyc	holic acid				
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
		Warning	Causes skin irritation. Causes serious eye irritation.	Wash skin thoroughly after handling. If skin irritation occurs: Get medical advice/ attention. Wear eye protection/ face protection. If eye irritation persists: Get medical advice/ attention. Wear protective gloves. Take off contaminated clothing and wash it before reuse.	

Ergosterol					
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
			May cause long	Avoid release to	
			lasting harmful	the	
			effects to	environment.	
			aquatic life.	Dispose of	

Sigma- BACSMLS Page 17 of 34

	contents/
	container to an
	approved waste
	disposal plant.

Campesterol		T a	T., ,	T	<u> </u>
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
		Warning	Harmful if	Avoid breathing	
			swallowed, in	dust/ fume/	
			contact with skin	gas/ mist/	
			or if inhaled.	vapors/ spray.	
			Causes skin	IF SWALLOWED:	
			irritation.	Call a POISON	
			Causes serious	CENTER/ doctor	
			eye irritation.	if you feel unwell. Wear	
			May cause respiratory	protective	
			irritation.	gloves/	
			וווומנוטוו.	protective	
				clothing/ eye	
				protection/ face	
				protection, IE	
				ON SKIN: Wash	
				with plenty of	
				water.Call a	
				POISON	
				CENTER/ doctor	
				if you feel	
				unwell. IF	
				INHALED:	
				Remove person	
				to fresh air and	
				keep	
				comfortable for	
				breathing. Call a	
				POISON	
				CENTER/ doctor	
				if you feel	
				unwell. IF IN	
				EYES: Rinse	
				cautiously with	
				water for	
				several minutes.	
				Remove contact	
				lenses, if	
				present and	
				easy to do.	
				Continue	
				rinsing.	

Sigma- BACSMLS Page 18 of 34

24(S)-Hydrox	24(S)-Hydroxycholesterol							
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental			
identifier		Word	Statements	Statements	information			
					Not a hazardous			
					substance or			
					mixture			
					according to			
					Regulation (EC)			
					No 1272/2008.			

Cholic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious eye irritation.	Wash skin thoroughly after handling. If skin irritation occurs: Get medical advice/ attention. Wear eye protection/ face protection. If eye irritation persists: Get medical advice/ attention. Wear protective gloves. Take off contaminated clothing and wash it before reuse.	

Stigmaster	ol				
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
					Not a hazardous
					substance or
					mixture
					according to
					Regulation (EC)
					No 1272/2008.

?-Sitosterol					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to

Sigma- BACSMLS Page 19 of 34

Lanosterol					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Regulation (EC) No 1272/2008.

Acetyl-DL-c	Acetyl-DL-carnitine hydrochloride								
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental				
identifier		Word	Statements	Statements	information				
					Not a hazardous				
					substance or				
					mixture				
					according to				
					Regulation (EC)				
					No 1272/2008.				

2-Methylbuty	2-Methylbutyryl-L-carnitine							
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental			
identifier		Word	Statements	Statements	information			
					Not a hazardous			
					substance or			
					mixture			
					according to			
					Regulation (EC)			
					No 1272/2008.			

Malonyl-L-car	Malonyl-L-carnitine								
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental				
identifier		Word	Statements	Statements	information				
		Warning	Causes serious	Wash skin					
			eye irritation.	thoroughly after					
				handling. IF IN					
				EYES: Rinse					
				cautiously with					
				water for					
				several minutes.					
				Remove contact					
				lenses, if					
				present and					
				easy to do.					
				Continue					
				rinsing. Wear					
				eye protection/					
				face protection.					

Sigma- BACSMLS Page 20 of 34

				If eye irritation	
				persists: Get	
				medical advice/	
				attention.	
				accontion.	
Hexanoyl-L-c	arnitine				
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier	1	Word	Statements	Statements	information
- racineme		110.0	Statements	Statements	Not a hazardous
					substance or
					mixture
					according to
					Regulation (EC)
					No 1272/2008.
2 Ove 52 ch	alamaia Asid				
3-Oxo-5?-cho		Cianal	Hazard	Procautionary	Supplemental
identifier	Pictogram	Signal Word	Statements	Precautionary Statements	information
identinei		word	Statements	Statements	Not a hazardous
					substance or
					mixture
					according to
					Regulation (EC)
					No 1272/2008.
Nutriacholic /	Acid				
Product		Cianal	Hazard	Drocoutionany	Cunnlamental
identifier	Pictogram	Signal Word	Statements	Precautionary Statements	Supplemental information
identifier		word	Statements	Statements	
					Not a hazardous
	7				substance or
					mixture
					according to
					Regulation (EC)
					No 1272/2008.
	1::-				
Hyodeoxycho		Cianal	Hannad	Dunganutianami	Cumplamantal
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
					Not a hazardous
					substance or
					mixture
					according to
					Regulation (EC)
					No 1272/2008.
Dehydrocholi		1			
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
					Not a hazardouc

Sigma- BACSMLS Page 21 of 34

Not a hazardous substance or mixture

	I	T	<u> </u>		
					according to
					Regulation (EC) No 1272/2008.
					NO 12/2/2006.
?-Muricholic A	\cid				
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier	rictogram	Word	Statements	Statements	information
racritimer		Word	Statements	Statements	Not a hazardous
					substance or
					mixture
					according to
					Regulation (EC)
					No 1272/2008.
Glycolithocho					
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
					Not a hazardous
					substance or
					mixture
					according to Regulation (EC)
					No 1272/2008.
					110 1272/2000:
Glycoursodeo	xycholic acid	d			
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
					Not a hazardous
					substance or
					mixture
					according to
					Regulation (EC)
					No 1272/2008.
Chroochalis	aid bydrata				
Glycocholic ad Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier	rictogram	Word	Statements	Statements	information
identifier		vvoid	Statements	Statements	Not a hazardous
					substance or
					mixture
					according to
					Regulation (EC)
					No 1272/2008.
3-Hydroxybut				T _	1
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
					Not a hazardous
					substance or
					mixture
					according to

Sigma- BACSMLS Page 22 of 34

		-		=	Regulation (EC)
					No 1272/2008.
					110 1272/20001
Corticosteror	ne				
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
					Not a hazardous
					substance or mixture
					according to
					Regulation (EC)
					No 1272/2008.
Lithocholic ac		T =-	1		T
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information Not a hazardous
					substance or
					mixture
					according to
					Regulation (EC)
					No 1272/2008.
N D					
Nor-Desoxyc Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier	Fictogram	Word	Statements	Statements	information
- raditation		17014	Statements	Statements	Not a hazardous
		\ \			substance or
					mixture
	7				according to
					Regulation (EC)
					No 1272/2008.
Murideoxych	olic Acid				
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
					Not a hazardous
					substance or
					mixture
					according to Regulation (EC)
					No 1272/2008.
			1		
25-Hydroxyc					
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
					Not a hazardous
					substance or mixture
					according to
					Regulation (EC)
L		I	l .	I.	1.030.000 (20)

Sigma- BACSMLS Page 23 of 34

		No 1272/2008.

(3ALPHA,5BE	(3ALPHA,5BETA,7ALPHA)-3,7-DIHYDROXY-12-OXOCHOLAN-24-OIC ACID						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental		
identifier		Word	Statements	Statements	information		
		Warning	Causes skin	Wash skin			
			irritation.	thoroughly after			
			Causes serious	handling. IF ON			
			eye irritation.	SKIN: Wash			
				with plenty of			
				water. Wear			
				protective			
				gloves/ eye			
				protection/ face			
				protection. IF IN			
				EYES: Rinse			
				cautiously with			
				water for			
				several minutes.			
				Remove contact			
				lenses, if			
				present and			
				easy to do. Continue			
				rinsing. If skin			
				irritation occurs:			
				Get medical			
				advice/			
				attention. If			
				eye irritation			
				persists: Get			
				medical advice/			
				attention.			

Hyocholic ad	Hyocholic acid								
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental				
identifier		Word	Statements	Statements	information				
					Not a hazardous				
					substance or				
					mixture				
					according to				
					Regulation (EC)				
					No 1272/2008.				

3?,7?,12?-Tri	ihydroxycopr	ostanic Ac	id		
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
					Not a hazardous
					substance or
					mixture
					according to

Sigma- BACSMLS Page 24 of 34

					Regulation (EC) No 1272/2008.
Sodium tau	rolithocholate				
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to
					Regulation (EC) No 1272/2008.
Taurodeovy	cholic Acid (se	odium salt	`		
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information Not a hazardous
					substance or mixture according to Regulation (EC)
]					No 1272/2008.
Tauro-?-mu	richolic Acid (sodium sa	lt)		
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
	H		Иlk	AR	Not a hazardous substance or mixture according to Regulation (EC)
					No 1272/2008.
Butyryl-L-ca	arnitino				
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
identine		Word	Statements	Statements	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
A alia a 1 1					
Adipoyl-L-ca Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
2 27					Not a hazardous substance or mixture according to
					Regulation (EC)

Sigma- BACSMLS Page 25 of 34

		No 1272/2008.

Ethyl 2-trans-	4-cis-decadi	enoate			
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
		Warning	Causes skin irritation. Harmful to aquatic life with long lasting effects.	Wash skin thoroughly after handling. IF ON SKIN: Wash with plenty of water. Avoid release to the environment. If skin irritation occurs: Get medical advice/attention. Wear protective gloves. Take off contaminated clothing and wash it before reuse.	

Decanoyl-L-ca	arnitine				
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier	_	Word	Statements	Statements	information
				AR	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

trans-2-Do	decenoyl-L-cai	rnitine			
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Lauroyl-L-c	arnitine				
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
					Not a hazardous
					substance or
					mixture
					according to

Sigma- BACSMLS Page 26 of 34

		Regulation (EC)
		No 1272/2008.

Ursodeoxych	olic acid				
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
		Warning	Causes skin	Wash skin	
			irritation.	thoroughly after	
			Causes serious	handling. IF ON	
			eye irritation.	SKIN: Wash	
				with plenty of	
				water. Wear	
				protective	
				gloves/ eye	
				protection/ face	
				protection. IF IN	
				EYES: Rinse	
				cautiously with	
				water for	
				several minutes.	
				Remove contact	
				lenses, if	
				present and	
				easy to do.	
				Continue	
				rinsing. If skin	
				irritation occurs:	
				Get medical	
				advice/ attention. If	
			V	eye irritation	
				persists: Get	
				medical advice/	
				attention.	

27-hydroxy	cholesterol				
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Ursocholic Ac	id				
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
					Not a hazardous
					substance or
					mixture

Sigma- BACSMLS Page 27 of 34

					according to
					Regulation (EC)
					No 1272/2008.
	oursodeoxych		T., .	Ts	
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
					Not a hazardous
					substance or
					mixture
					according to
					Regulation (EC)
					No 1272/2008.
Arachidonyl-	-l -carnitine				
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
		1 2 2 2 2			Not a hazardous
					substance or
					mixture
					according to
					Regulation (EC)
					No 1272/2008.
					
Product	richolic acid s		Hazard	Procoutionary	Cupplomontal
identifier	Pictogram	Signal Word	Statements	Precautionary Statements	Supplemental information
identifier		Word	Statements	Statements	Not a hazardous
			\mathbb{N}/\mathbb{N}		substance or
			V/IIK	AR	substance or mixture
	H		VIIK	AR	substance or mixture according to
			VIIK	AR	substance or mixture according to Regulation (EC)
			VIIK	AR	substance or mixture according to
	hydrochloride		VIIK	AR	substance or mixture according to Regulation (EC) No 1272/2008.
Product	hydrochloride Pictogram	Signal	Hazard	Precautionary	substance or mixture according to Regulation (EC) No 1272/2008.
Product			Hazard Statements	Precautionary Statements	substance or mixture according to Regulation (EC) No 1272/2008. Supplemental information
Product		Signal		•	substance or mixture according to Regulation (EC) No 1272/2008. Supplemental information Not a hazardous
L-Carnitine I Product identifier		Signal		•	substance or mixture according to Regulation (EC) No 1272/2008. Supplemental information Not a hazardous substance or
Product		Signal		•	substance or mixture according to Regulation (EC) No 1272/2008. Supplemental information Not a hazardous substance or mixture
Product		Signal		•	substance or mixture according to Regulation (EC) No 1272/2008. Supplemental information Not a hazardous substance or mixture according to
Product		Signal		•	substance or mixture according to Regulation (EC) No 1272/2008. Supplemental information Not a hazardous substance or mixture according to Regulation (EC)
Product		Signal		•	substance or mixture according to Regulation (EC) No 1272/2008. Supplemental information Not a hazardous substance or mixture according to
Product identifier	Pictogram	Signal		•	substance or mixture according to Regulation (EC) No 1272/2008. Supplemental information Not a hazardous substance or mixture according to Regulation (EC)
Product identifier Isobutyryl-L	Pictogram -carnitine	Signal Word		Statements	substance or mixture according to Regulation (EC) No 1272/2008. Supplemental information Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
Product identifier Isobutyryl-L Product	Pictogram	Signal	Statements	•	substance or mixture according to Regulation (EC) No 1272/2008. Supplemental information Not a hazardous substance or mixture according to Regulation (EC)
Product identifier Isobutyryl-L Product	Pictogram -carnitine	Signal Word	Statements Hazard	Statements	substance or mixture according to Regulation (EC) No 1272/2008. Supplemental information Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008. Supplemental
Product identifier Isobutyryl-L Product	Pictogram -carnitine	Signal Word	Statements Hazard	Statements	substance or mixture according to Regulation (EC) No 1272/2008. Supplemental information Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008. Supplemental information
Product	Pictogram -carnitine	Signal Word	Statements Hazard	Statements	substance or mixture according to Regulation (EC) No 1272/2008. Supplemental information Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008. Supplemental information Not a hazardous

Sigma- BACSMLS Page 28 of 34

					Regulation (EC) No 1272/2008.
		-	I.	1	1.10 12/2/2000.
Isovaleryl-L		ı	1		1
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
					110 1272/2000.
	<u>arnitine lithiu</u>		T		1
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information Not a hazardous
					substance or mixture according to Regulation (EC) No 1272/2008.
[/2D] 2 Here			!!!		_
Product	Iroxydodecan Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
Propionyl-L-	carnitine				
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information Not a hazardous
					substance or mixture according to Regulation (EC) No 1272/2008.
<u> </u>	•••				
Product		Cianal	Hazard	Procautionant	Cupplomental
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious eye irritation. May cause	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF INHALED:	

Sigma- BACSMLS Page 29 of 34

respiratory	Remove person
irritation.	to fresh air and
	keep
	comfortable for
	breathing. Call a
	POISON
	CENTER/ doctor
	if you feel
	unwell. Wash
	skin thoroughly
	after handling. If
	eye irritation
	persists: Get
	medical advice/
	attention.
	Wear eye
	protection/ face
	protection.
	Wear protective
	gloves.

7?-Hydroxy Cholesterol						
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information	
			ЛIk		Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.	

[(3R)-3-Hydroxyhexadecanoyl]-L-carnitine						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental	
identifier		Word	Statements	Statements	information	
					Not a hazardous	
					substance or	
					mixture	
					according to	
					Regulation (EC)	
					No 1272/2008.	

cis,cis-9,12-Octadecadienoyl-L-carnitine						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental	
identifier		Word	Statements	Statements	information	
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.	

Sigma- BACSMLS Page 30 of 34

D: -t				
Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
				Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
_				· · · · · · · · · · · · · · · · · · ·

Sodium taurochenodeoxycholate							
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental		
identifier		Word	Statements	Statements	information		
					Not a hazardous		
					substance or		
					mixture		
					according to		
					Regulation (EC)		
					No 1272/2008.		

Propionyl-L-c	Propionyl-L-carnitine							
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental			
identifier		Word	Statements	Statements	information			
					Not a hazardous			
					substance or			
					mixture			
					according to			
					Regulation (EC)			
					No 1272/2008.			

Tigloyl-L-carnitine							
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental		
identifier		Word	Statements	Statements	information		
					Not a hazardous		
					substance or		
					mixture		
					according to		
					Regulation (EC)		
					No 1272/2008.		

Valeryl-L-carnitine							
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental		
identifier		Word	Statements	Statements	information		
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.		

Sigma- BACSMLS Page 31 of 34

O-Succinyl-L-carnitine lithium salt						
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information	
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.	

trans-2-Oct	trans-2-Octenoyl-L-carnitine						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental		
identifier		Word	Statements	Statements	information		
					Not a hazardous		
					substance or		
					mixture		
					according to		
					Regulation (EC)		
					No 1272/2008.		

Octanoyl-L-ca	Octanoyl-L-carnitine					
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental	
identifier		Word	Statements	Statements	information	
					Not a hazardous	
					substance or	
					mixture	
					according to	
					Regulation (EC)	
					No 1272/2008.	

					110 1272/20001
3-Methylglu	tarylcarnitine				
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

trans-2-Tetradecenoyl-L-carnitine					
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Sigma- BACSMLS Page 32 of 34

Myristoyl-L-	Myristoyl-L-carnitine					
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental	
identifier		Word	Statements	Statements	information	
					Not a hazardous	
					substance or	
					mixture	
					according to	
					Regulation (EC)	
					No 1272/2008.	

Oleoyl-L-carnitine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Stearoyl-L-carnitine					
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
					Not a hazardous
					substance or
					mixture
					according to
		1			Regulation (EC)
					No 1272/2008.

Glycodeoxycholic acid sodium salt					
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
		Warning	Causes skin	Avoid breathing	
			irritation.	dust/ fume/	
			Causes serious	gas/ mist/	
			eye irritation.	vapors/ spray.	
			May cause	IF INHALED:	
			respiratory	Remove person	
			irritation.	to fresh air and	
				keep	
				comfortable for	
				breathing. Call a	
				POISON	
				CENTER/ doctor	
				if you feel	
				unwell. Wash	
				skin thoroughly	
				after handling. If	
				eye irritation	
				persists: Get	

Sigma- BACSMLS Page 33 of 34

medical advice/ attention. Wear eye protection/ face
protection.
Wear protective
gloves.

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Sigma- BACSMLS Page 34 of 34