Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: Ethanolum 96% non potabile ARO

Substance number: 021000

Version: 4 / CH

Date revised: 18.09.2023

HANSELER

Replaces Version: 3 / CH

Print date: 18.09.23

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

1.1. Product identifier

Ethanolum 96% non potabile ARO Item No. 02100000

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

Use of the substance/preparation

Industrial solvent

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG Industriestrasse 35 9100 Herisau Telephone no. 0041 (0)71 353 58 58 E-mail address of sdb@haenseler.ch person responsible for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008) Flam. Liq. 2

H225

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008 For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

H225

Hazard statements

Highly flammable liquid and vapour.

Precautionary statements ***

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take action to prevent static discharges.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin

rade name: Ethanolum 96%	non notabila A	PO				
	non polabile P					
ubstance number: 021000		Version				Date revised: 18.09.202
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	with water [c	or shower].				
P403+P233					ntainer tightly cl	
P501.3	Disposal in o	compliance	with loca	al and ha	tional regulatior	IS.
2.3. Other hazards						-
	nce that has en	docrine disr	upting p	roperties	s with respect to	ances. This product does human. The product ect to non-target
ECTION 3: Compos		rmation	<u>on in</u>	gredie	ents ***	
Chemical characteriz						
Mixture of the following	•	ances with h	armless	admixtu	ires.	
Further ingredients *	~~~					
ethanol CAS No.	64-17-5					
EINECS no.	200-578-6					
Concentration	200 01 0 0		>=	90	%	
Advice: [4]						
Classification (Regula		1272/2008)	11005			
	Flam. Liq. 2		H225			
water						
CAS No.	7732-18-5					
EINECS no.	231-791-2	4		10	0/	
Concentration	>=	1	<	10	%	
Advice: [4]						
Diethylphthalate						
CAS No.	84-66-2					
EINECS no.	201-550-6			4.0	<u>.</u>	
Concentration Advice: [4]	>=	1	<	10	%	
Auvice. [4]						
Rosemary, ext.						
CAS No.	84604-14-8					
EINECS no.	283-291-9			1	%	
Concentration Advice: [4]			<	1	70	
Classification (Regula	ation (EC) No.	1272/2008)				
	Flam. Liq. 3	,	H226			
	Asp. Tox. 1		H304 H315			
		Skin Irrit. 2 Skin Sens. 1B Eve Irrit. 2				
	Eye Irrit. 2				Nervous sv	stem; Route of
	Ly5 mm. Z		H319		exposure:	
	STOT SE 2		H371		Nervous sy	/stem; Route of
					exposure:	oral
	Aquatic Chro	nic ?	H411			

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HANSELER

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

After contact with skin, wash immediately with plenty of water. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

Do not induce vomiting. In the event of symptoms take medical treatment.

4.2. Most important symptoms and effects, both acute and delayed

Headache, Dizziness, Dizziness, Unconsciousness, Nausea

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

Non suitable extinguishing media

Full water jet

5.3. Advice for firefighters

Special protective equipment for fire-fighting Use self-contained breathing apparatus.

Other information

Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep away unprotected persons. Ensure adequate ventilation. Keep away sources of ignition.

6.2. Environmental precautions

Dilute with lot of water. Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust). Ensure adequate ventilation.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take action to prevent static discharges.

Safety data sheet in accordance wit	th regulatio	n (EC) No 190	7/2006	
Trade name: Ethanolum 96% non po	tabile ARO			
Substance number: 021000	V	/ersion: 4 / CH		Date revised: 18.09.202
		Replaces Versio	n: 3/CH	Print date: 18.09.2
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7.2. Conditions for safe stora	ao inclu	dina any ina	ompatibilitios	
Requirements for storage r	-		ompationnies	
Keep in a cool place.		VE33E13		
Hints on storage assembly				
Not required.				
Storage classes				
Storage class according to T	RGS 510	3	Flammable lid	uid
Storage category (Switzerlan		3	Flammable lic	
Further information on stor		tions		
Keep container tightly closed	-		n the open air or i	n explosion-proof rooms.
Product is hygroscopic.	, coor and a			
SECTION 8: Exposure cor	ntrols/ne	ersonal nr	stection ***	
8.1. Control parameters				
Exposure limit values ***				
ethanol	.			
List	SUVA			
Type	MAK	m m /m 3	500	
Value Short torm expegure limit	960 1920	mg/m ³	500 1000	ppm(V)
Short term exposure limit Pregnancy group: S; Rema		mg/m ³		ppm(V)
	KS. 550, 10		0011	
Diethylphthalate List	SUVA			
	MAK			
Type Value	5	ma/m ³		
Remarks: OAWKT	5	mg/m³		
Derived No/Minimal Effect I	avals (DN			
Diethylphthalate Reference group	Worker			
Duration of exposure	Long te	rm		
Route of exposure	inhalativ			
Mode of action		ic effects		
Concentration	Cyclom	10.6		mg/m³
				C
Type of value		No Effect Leve	el (DNEL)	
Reference group	Worker			
Duration of exposure	Long te	rm		
Route of exposure	dermal			
Mode of action	System	ic effects		
Concentration		15		mg/kg/d
8.2. Exposure controls				
Exposure controls				
See Section 7. No measures	exeedina th	e ones mentio	ned necessary.	
General protective and hyg				
Wash hands before breaks a				
		к.		
Respiratory protection	معاداته محاج	//	contilation if a s	
Provide good ventilation of w	orking area	(local exhaust	ventilation if nece	ssary). At intensive and longer

	Safety data sheet in accordance	e with regulation (EC) No 1907/2006	HANSELER 🕈
Replaces Version: 3 / CH Print date: 18.09. exposition use self-contained breathing apparatus. Hand protection The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleared before being removed, then stored in a well ventilated location. Appropriate Material Burly rubber - Burly Material thickness 0.5 Breakthrough time > 8 Appropriate Material Fluoro carbon rubber - FKM Material thickness 0.4 Propriate Material Ploorene Material thickness 0.5 Propriate Material Netural Latex Not suitable Natural Cates shield; Eve protection must comply with EN 166. Safety glasses with side protection shield; Face shield; Eve protection must comply with EN 166. Safety glasses with side protection shield; Face shield; Eve protection must comply with EN 166. Body protection Solourifess, olear	Trade name: Ethanolum 96% nor	n potabile ARO	
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Freezing point -114 °C Value -114 °C Boiling point or initial boiling point and boiling range °C Value 78 °C Upper and lower explosive limits °C Lower explosion limit 3.1 %(V) Upper explosion limit 27.7 %(V) Flash point 27.7 %(V) Value 12 to 13 °C Value 12 to 13 °C Method closed cup °C °C Viscosity Intermediate °C °C Value 1.2 mPa.s s kinematic Value 1.52 mm²/s Value 1.52 mm²/s	Body protection Solvent-resistant protection of high temperature resis SECTION 9: Physical a 9.1. Information on basic Physical state	ion shield; Face shield; Eye protection n ve clothing; Personnel should wear anti- tant synthetic fibre. nd chemical properties *** physical and chemical propertien liquid	nust comply with EN 166.
Value-114°CBoiling point or initial boiling point and boiling range ValueValue78°CUpper and lower explosive limits	Body protection Solvent-resistant protection of high temperature resis SECTION 9: Physical a 9.1. Information on basic Physical state Colour	ion shield; Face shield; Eye protection n ve clothing; Personnel should wear anti- itant synthetic fibre. nd chemical properties *** physical and chemical properti- liquid colourless, clear	nust comply with EN 166.
Value-114°CBoiling point or initial boiling point and boiling range ValueValue78°CUpper and lower explosive limits°CLower explosion limit3.1%(V)Upper explosion limit27.7%(V)Flash point27.7%(V)Value12to13Value12to13Viscosity°Cdynamic·································	Body protection Solvent-resistant protection of high temperature resis SECTION 9: Physical a 9.1. Information on basic Physical state Colour	ion shield; Face shield; Eye protection n ve clothing; Personnel should wear anti- itant synthetic fibre. nd chemical properties *** physical and chemical properti- liquid colourless, clear	nust comply with EN 166.
Boiling point or initial boiling point and boiling range Value 78 °C Upper and lower explosive limits Lower explosion limit 3.1 %(V) Upper explosion limit 27.7 %(V) Flash point Value 12 to 13 °C Value 12 to 13 °C Velue 12 to 13 °C Velue 12 to 13 °C Value 12 mPa.s method closed cup Viscosity Image: State S	Body protection Solvent-resistant protection of high temperature resis SECTION 9: Physical a 9.1. Information on basic p Physical state Colour Odour	ion shield; Face shield; Eye protection n ve clothing; Personnel should wear anti- itant synthetic fibre. nd chemical properties *** physical and chemical properti- liquid colourless, clear	nust comply with EN 166.
Value78°CUpper and lower explosive limits	Body protection Solvent-resistant protection of high temperature resis SECTION 9: Physical a 9.1. Information on basic Physical state Colour Odour Freezing point	ion shield; Face shield; Eye protection n ve clothing; Personnel should wear anti- stant synthetic fibre. nd chemical properties *** physical and chemical properti liquid colourless, clear Alcohol	estatic clothing made of natural fibre or
Upper and lower explosive limits Lower explosion limit 3.1 %(V) Upper explosion limit 27.7 %(V) Flash point Value 12 to 13 °C Method closed cup °C Second Second Second Viscosity Image: Second Image: Second Image: Second	Body protection Solvent-resistant protection of high temperature resis SECTION 9: Physical a 9.1. Information on basic p Physical state Colour Odour Freezing point Value	ion shield; Face shield; Eye protection not eve clothing; Personnel should wear anti- stant synthetic fibre. Ind chemical properties *** physical and chemical properties liquid colourless, clear Alcohol -114	estatic clothing made of natural fibre or
Lower explosion limit 3.1 %(V) Upper explosion limit 27.7 %(V) Flash point Value 12 to 13 °C Method closed cup Viscosity dynamic Value 1.2 mPa.s kinematic Value 1.52 mm²/s	Body protection Solvent-resistant protection of high temperature resis SECTION 9: Physical a 9.1. Information on basic Physical state Colour Odour Freezing point Value Boiling point or initial b	ion shield; Face shield; Eye protection n ve clothing; Personnel should wear anti- stant synthetic fibre. nd chemical properties *** physical and chemical properti liquid colourless, clear Alcohol -114 oiling point and boiling range	estatic clothing made of natural fibre or
Lower explosion limit 3.1 %(V) Upper explosion limit 27.7 %(V) Flash point Value 12 to 13 °C Method closed cup Viscosity dynamic Value 1.2 mPa.s kinematic Value 1.52 mm²/s	Body protection Solvent-resistant protection of high temperature resis SECTION 9: Physical a 9.1. Information on basic Physical state Colour Odour Freezing point Value Boiling point or initial b	ion shield; Face shield; Eye protection n ve clothing; Personnel should wear anti- stant synthetic fibre. nd chemical properties *** physical and chemical properti liquid colourless, clear Alcohol -114 oiling point and boiling range	estatic clothing made of natural fibre or
Upper explosion limit 27.7 %(V) Flash point Value 12 to 13 °C Value 12 to 13 °C Method closed cup °C °C Viscosity Viscosity Value 1.2 mPa.s Value 1.2 mPa.s mPa.s kinematic Value 1.52 mm²/s Partition coefficient n-octanol/water (log value) Value 1.52 mm²/s	Body protection Solvent-resistant protection of high temperature resis SECTION 9: Physical a 9.1. Information on basic p Physical state Colour Odour Freezing point Value Boiling point or initial b Value	ion shield; Face shield; Eye protection n ve clothing; Personnel should wear anti- itant synthetic fibre. nd chemical properties *** physical and chemical propertie liquid colourless, clear Alcohol -114 oiling point and boiling range 78	estatic clothing made of natural fibre or
Flash point 12 to 13 °C Value 12 to 13 °C Method closed cup °C °C Viscosity Viscosity Value °C dynamic Value 1.2 mPa.s kinematic Value 1.52 mm²/s Partition coefficient n-octanol/water (log value) Value 1.52 mm²/s	Body protection Solvent-resistant protection of high temperature resis SECTION 9: Physical a 9.1. Information on basic Physical state Colour Odour Freezing point Value Boiling point or initial b Value Upper and lower explos	ion shield; Face shield; Eye protection not eve clothing; Personnel should wear anti- stant synthetic fibre. nd chemical properties *** physical and chemical propertie liquid colourless, clear Alcohol -114 oiling point and boiling range 78 ive limits	es °C °C
Value 12 to 13 °C Method closed cup C C C Viscosity Viscosity Viscosity C C dynamic 1.2 mPa.s MPa.s kinematic Value 1.52 mm²/s Partition coefficient n-octanol/water (log value) Value Value Value	Body protection Solvent-resistant protection of high temperature resis SECTION 9: Physical a 9.1. Information on basic p Physical state Colour Odour Freezing point Value Boiling point or initial b Value Upper and lower explos Lower explosion limit	ion shield; Face shield; Eye protection not eve clothing; Personnel should wear anti- stant synthetic fibre. nd chemical properties *** physical and chemical propertie liquid colourless, clear Alcohol -114 oiling point and boiling range 78 ive limits 3.1	es °C %(V)
Methodclosed cupViscositydynamicValue1.2NameValueInstanticValueNamePartition coefficient n-octanol/water (log value)	Body protection Solvent-resistant protection of high temperature resist SECTION 9: Physical and 9.1. Information on basic point Physical state Colour Odour Freezing point Value Boiling point or initial bo Value Upper and lower explose Lower explosion limit Upper explosion limit	ion shield; Face shield; Eye protection not eve clothing; Personnel should wear anti- stant synthetic fibre. nd chemical properties *** physical and chemical propertie liquid colourless, clear Alcohol -114 oiling point and boiling range 78 ive limits 3.1	es °C %(V)
ViscositydynamicValue1.2Value1.2kinematicValue1.52Partition coefficient n-octanol/water (log value)	Body protection Solvent-resistant protection of high temperature resist SECTION 9: Physical a 9.1. Information on basic p Physical state Colour Odour Freezing point Value Boiling point or initial b Value Upper and lower explos Lower explosion limit Upper explosion limit Flash point	ion shield; Face shield; Eye protection not eve clothing; Personnel should wear anti- stant synthetic fibre. nd chemical properties *** physical and chemical propertie liquid colourless, clear Alcohol -114 oiling point and boiling range 78 ive limits 3.1 27.7	*static clothing made of natural fibre or es °C °C %(V) %(V) %(V)
dynamic Value 1.2 kinematic Value 1.52 Partition coefficient n-octanol/water (log value)	Body protection Solvent-resistant protection of high temperature resist SECTION 9: Physical a 9.1. Information on basic p Physical state Colour Odour Freezing point Value Boiling point or initial b Value Upper and lower explos Lower explosion limit Upper explosion limit Upper explosion limit Flash point Value	ion shield; Face shield; Eye protection not eve clothing; Personnel should wear anti- stant synthetic fibre. nd chemical properties *** physical and chemical propertie liquid colourless, clear Alcohol -114 oiling point and boiling range 78 ive limits 3.1 27.7 12 to 13	*static clothing made of natural fibre or es °C °C %(V) %(V) %(V)
Value 1.2 mPa.s kinematic mm²/s Value 1.52 mm²/s Partition coefficient n-octanol/water (log value)	Body protection Solvent-resistant protection of high temperature resist SECTION 9: Physical and 9.1. Information on basic presented Physical state Colour Odour Freezing point Value Boiling point or initial be Value Upper and lower explose Lower explosion limit Upper explosion limit Flash point Value Method	ion shield; Face shield; Eye protection not eve clothing; Personnel should wear anti- stant synthetic fibre. nd chemical properties *** physical and chemical propertie liquid colourless, clear Alcohol -114 oiling point and boiling range 78 ive limits 3.1 27.7 12 to 13	es °C °C %(V) %(V) %(V)
Value 1.2 mPa.s kinematic mm²/s Value 1.52 mm²/s Partition coefficient n-octanol/water (log value) mm²/s	Body protection Solvent-resistant protection of high temperature resist SECTION 9: Physical and 9.1. Information on basic presented Physical state Colour Odour Freezing point Value Boiling point or initial be Value Upper and lower explose Lower explosion limit Upper explosion limit Flash point Value Method	ion shield; Face shield; Eye protection not eve clothing; Personnel should wear anti- stant synthetic fibre. nd chemical properties *** physical and chemical propertie liquid colourless, clear Alcohol -114 oiling point and boiling range 78 ive limits 3.1 27.7 12 to 13	es °C °C °C %(V) %(V) %(V)
kinematic Value 1.52 mm²/s Partition coefficient n-octanol/water (log value)	Body protection Solvent-resistant protection of high temperature resist SECTION 9: Physical and 9.1. Information on basic presented Physical state Colour Odour Freezing point Value Boiling point or initial bo Value Upper and lower explose Lower explosion limit Upper explosion limit Flash point Value Method Viscosity	ion shield; Face shield; Eye protection not eve clothing; Personnel should wear anti- stant synthetic fibre. nd chemical properties *** physical and chemical propertie liquid colourless, clear Alcohol -114 oiling point and boiling range 78 ive limits 3.1 27.7 12 to 13	es °C °C °C %(V) %(V) %(V)
Value1.52mm²/sPartition coefficient n-octanol/water (log value)	Body protection Solvent-resistant protection of high temperature resist SECTION 9: Physical and 9.1. Information on basic present Physical state Colour Odour Freezing point Value Boiling point or initial bo Value Upper and lower explose Lower explosion limit Upper explosion limit Flash point Value Method Viscosity dynamic	ion shield; Face shield; Eye protection not eve clothing; Personnel should wear anti- stant synthetic fibre. nd chemical properties **** physical and chemical propertie liquid colourless, clear Alcohol -114 oiling point and boiling range 78 ive limits 3.1 27.7 12 to 13 closed cup	es °C °C °C %(V) %(V) %(V) °C
Partition coefficient n-octanol/water (log value)	Body protection Solvent-resistant protection of high temperature resist SECTION 9: Physical and 9.1. Information on basic presented by the second state Colour Odour Freezing point Value Boiling point or initial by Value Upper and lower explose Lower explosion limit Upper explosion limit Upper explosion limit Flash point Value Method Viscosity dynamic Value	ion shield; Face shield; Eye protection not eve clothing; Personnel should wear anti- stant synthetic fibre. nd chemical properties **** physical and chemical propertie liquid colourless, clear Alcohol -114 oiling point and boiling range 78 ive limits 3.1 27.7 12 to 13 closed cup	estatic clothing made of natural fibre or es °C °C %(V) %(V) %(V) °C
	Body protection Solvent-resistant protection of high temperature resist SECTION 9: Physical and 9.1. Information on basic presented by the second state Colour Odour Freezing point Value Boiling point or initial by Value Upper and lower explose Lower explosion limit Upper explosion limit Flash point Value Method Viscosity dynamic Value kinematic	ion shield; Face shield; Eye protection n ve clothing; Personnel should wear anti- itant synthetic fibre. nd chemical properties *** physical and chemical propertie liquid colourless, clear Alcohol -114 oiling point and boiling range 78 ive limits 3.1 27.7 12 to 13 closed cup 1.2	es °C °C °C °C %(V) %(V) %(V) °C mPa.s
	Body protection Solvent-resistant protection of high temperature resist SECTION 9: Physical and 9.1. Information on basic present Physical state Colour Odour Freezing point Value Boiling point or initial bo Value Upper and lower explose Lower explosion limit Upper explosion limit Upper explosion limit Value Method Viscosity dynamic Value kinematic Value	ion shield; Face shield; Eye protection not eve clothing; Personnel should wear anti- stant synthetic fibre. nd chemical properties *** physical and chemical propertie liquid colourless, clear Alcohol -114 oiling point and boiling range 78 ive limits 3.1 27.7 12 to 13 closed cup 1.2 1.2 1.52	es °C °C °C °C %(V) %(V) %(V) °C mPa.s
	Body protection Solvent-resistant protection of high temperature resist SECTION 9: Physical and 9.1. Information on basic present Physical state Colour Odour Freezing point Value Boiling point or initial bo Value Upper and lower explose Lower explosion limit Upper explosion limit Upper explosion limit Value Method Viscosity dynamic Value kinematic Value	ion shield; Face shield; Eye protection not eve clothing; Personnel should wear anti- stant synthetic fibre. nd chemical properties *** physical and chemical propertie liquid colourless, clear Alcohol -114 oiling point and boiling range 78 ive limits 3.1 27.7 12 to 13 closed cup 1.2 1.2 1.52	es °C °C °C °C %(V) %(V) %(V) °C mPa.s

Safety data sheet in accordance wi	th regulati	on (EC)	No 1907/200	
Trade name: Ethanolum 96% non po	tabile ARC)		
Substance number: 021000		Version:	4 / CH	Date revised: 18.09.20
		Replace	s Version: 3/	CH Print date: 18.09
Vapour pressure		50		h D a
Value Temperature		58 20	°C	hPa
Density and/or relative den	eitv	20	U	
Value	•	0.81		a/om3
Temperature	appr.	0.81 20	°C	g/cm³
Relative vapour density		20	U	
Value		1.6		
		1.0		
9.2. Other information				
Solubility in water				
Remarks	Comp	letely mis	scible	
Auto-ignition temperature		-		
Value		400		°C
Explosive properties				
evaluation	yes			
	yes			
Oxidising properties	Niet er			
evaluation	NOT OX	idising		
Solvent content				
Value	appr.	93		%
Other information				
Forms esplosive mixture with	air are po	ssible.		
SECTION 10: Stability and	l reacti	vity		
10.1. Reactivity				
•	ona oxidisi	ina agent	ts. strona redu	icing agents, Acids, Alkaline metals,
peroxides, Incompatible with				
10.2. Chemical stability			-	
No decomposition if stored a	nd annlied	as direct	ed	
·				
10.3. Possibility of hazardous				
	metals, co	onc. sulph	nuric acid. Pos	ssible incompatibility with materials lister
under section 10.5.				
10.4. Conditions to avoid				
Heat. Sparks. Flames. Vapo	urs can for	m an exp	losive mixture	e with air.
10.5. Incompatible materials				
•	alkali meta	ls. React	ions with eart	h alkali metals. Reactions with strong
acids. Strong oxidising agent				
			-	
10.6. Hazardous decomposit				

SECTION 11: Toxicological information ***

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

ATE	>	10'000	mg/kg
Method	calcu	lated value (Regulation (EC) No	o. 1272/2008)

afety data sheet in accordance	with regul	ation (EC	;) No 1907/200	6	HÄNSELER SWISS PHARMA
rade name: Ethanolum 96% non	potabile A	RO			
Substance number: 021000			n: 4/CH ces Version: 3/	′ СН	Date revised: 18.09.20 Print date: 18.09
Acute oral toxicity (Com	ponents)				
ethanol					
Species LD50	rat	7060		mg/kg	
Source	Toxico		Applied Pharma	acology. Vol. 16, Pg	n 718 1970
ethanol	10/100	logy and /			<i>g. i</i> 10, 1070.
Species	rat				
LD50	Tal	10470		mg/kg	
		10470		iiig/kg	
Diethylphthalate	rot				
Species LD50	rat	2000		ma/ka	
	>	2000		mg/kg	
Diethylphthalate					
Species NOAEL	rat	150		an a ll ca	
		150		mg/kg	
Acute dermal toxicity (C	omponen	ts)			
ethanol					
Species	rabbit				
LD50		15800		mg/kg	
ethanol				0 0	
NOAEL		8232		mg/kg	
Diethylphthalate					
Species	rat				
LD50	>	11100		ppm(m)	
Acute inhalative toxicity	(Compon			FF()	
-	(compon	entsj			
ethanol					
Species	rat	00000			
LC50		30000	L	mg/m³	
Duration of exposure Administration/Form	Vapar	4	h		
	Vapors	5			
Diethylphthalate					
Species	rat				
LCO	>	511 6	h		
Duration of exposure	<i>(</i>)	6	h		
Skin corrosion/irritation	(Compon	ents)			
ethanol					
evaluation	non-irr	itant			
Diethylphthalate					
Species	rabbit				
evaluation	non-irr	itant			
Serious eye damage/irrit	ation (Co	mponen	ts)		
, ,			,		
ethanol	innite of				
evaluation	irritant				
Diethylphthalate evaluation	irritant				
Sensitization (Compone					
ethanol	,				
evaluation	non-se	ensitizing			
	1011 00				
Diethylphthalate Species	guinea	nia			
evaluation		nsitizing			

Safety data sheet in accordanc	e with regulation (EC) No 1907/2006	HANSELER
Trade name: Ethanolum 96% no	n potabile ARO	
Substance number: 021000	Version: 4 / CH	Date revised: 18.09.202
	Replaces Version: 3 / CH	Print date: 18.09.2
Mutagenicity (Compone	ents)	
ethanol		
evaluation	No mutagenicity in the Ames-test.	
Diethylphthalate Remarks	None	
Reproduction toxicity (
Diethylphthalate	components)	
evaluation	No negative effects	
Carcinogenicity (Comp	-	
Diethylphthalate		
evaluation	No negative effects	
11.2 Information on other	hazards	
	roperties with respect to humans Intain a substance that has endocrine disruption	ng properties with respect to
SECTION 12: Ecologica	al information ***	
12.2. Persistence and deg		
Biodegradability (Comp	ponents)	
ethanol evaluation	Readily biodegradable	
	nd (COD) (Components)	
ethanol Value	0.93 to 1.67	mg/g
12.3. Bioaccumulative por	tential	
•	octanol/water (log value)	
log Pow	-0.3	
Octanol/water partition	coefficient (log Pow) (Components)	
ethanol		
log Pow	-0.3	
Bioconcentration factor	r (BCF) (Components)	
ethanol BCF	0.66	
12.5. Results of PBT and	vPvB assessment	
Results of PBT and vPv	B assessment ***	
The product contains no The product contains no		
12.6 Endocrine disrupting	g properties	
Endocrine disrupting p	roperties with respect to the envrionment ontain a substance that has endocrine disruption	
12.7. Other adverse effect	ts	
General information / e		



Trade name: Ethanolum 96% non potabile ARO

Substance number: 021000

Version: 4 / CH

Date revised: 18.09.2023

Replaces Version: 3 / CH

Print date: 18.09.23

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste codeShould not be released into the sanitary sewer system.EWC waste codeShould not be released into the sanitary sewer system.Disposal in compliance with local and national regulations.Should not be released into the sanitary sewer system.EWC waste code20 01 13*Disposal in compliance with local and national regulations.Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

SECTION 14: Transport information ***

	Land transport ADR/RID	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
Tunnel restriction code	D/E		
14.1. UN number	1170	1170	1170
14.2. UN proper shipping name	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION
14.3. Transport hazard class(es)	3	3	3
Label	*		*
14.4. Packing group	II	11	II
Limited Quantity	11		
Transport category	2		

SECTION 15: Regulatory information ***

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

Water Hazard Class (Ger	nany) ***	
Water Hazard Class	WGK 1	
(Germany)		
Remarks	Derivation of WGK according to Annex 1 No. 5.2 AwSV	
VOC		
VOC (CH)	93.1 %	

Safety data sheet in accordanc	e with regulation (EC) No 1907/2006	HANSELER SWISS PHARMA
Trade name: Ethanolum 96% no	n potabile ARO	
Substance number: 021000	Version: 4 / CH	Date revised: 18.09.2023
	Replaces Version: 3 / CH	Print date: 18.09.2
VOC (EU)	93.1 %	
SECTION 16: Other info Hazard statements liste		
H225	Highly flammable liquid and vapour.	
CLP categories listed ir		
Flam. Liq. 2	Flammable liquid, Category 2	
Supplemental informati	on	
	ared with the previous version of the safety data s	sheet are marked with: *** should not constitute a