# EC safety data sheet



Trade name: ERC satamin 3101 Product no.: 3101

Current version : 2.0.1, issued: 28.06.2019

Replaced version: 2.0.0, issued: 09.05.2019

Region: GB

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

#### 1.1 Product identifier

Trade name

# ERC satamin 3101

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

Relevant identified uses of the substance or mixture Additive for mineral oil products

Uses advised against No data available.

#### 1.3 Details of the supplier of the safety data sheet

#### Address

ERC Additiv GmbH Bäckerstraße 11-13 21244 Buchholz Germany Telephone no. +49 4181 216-500 Advice on Safety Data Sheet

sdb\_info@umco.de

# 1.4 Emergency telephone number

For medical advice (in German and English): +49 (0)551 192 40 (Giftinformationszentrum Nord)

# **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP) Asp. Tox. 1; H304 STOT RE 2; H373

#### **Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

## 2.2 Label elements

## Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

#### Hazard pictograms



 Signal word

 Danger

 Hazardous component(s) to be indicated on label:

 Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

 Hazard statement(s)

 H304
 May be fatal if swallowed and enters airways.

 H373
 May cause damage to organs through prolonged or repeated exposure

 Hazard statements (EU)
 EUH066

 Repeated exposure may cause skin dryness or cracking.

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## Precautionary statement(s)

260	Do not breathe dust/fume/spray.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor
P331	Do NOT induce vomiting.

# 2.3 Other hazards

PBT assessment No data available. vPvB assessment No data available.

# **SECTION 3: Composition/information on ingredients**

# 3.1 Substances

Not applicable. The product is not a substance.

#### 3.2 Mixtures

Hazardous ingredients

No	Substance name		Additi	onal informatio	n	
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)		entration	/11	%
	REACH no		Conce			/0
1	-	-C14, n-alkanes, isoalkanes, cyclics, aromatics				
	(2-25%)	[ <b>-</b>				
	-	EUH066	>=	5.00 - <	10.00	%-b.w.
	925-653-7	Asp. Tox. 1; H304				
	-	Aquatic Chronic 3; H412				
	01-2119458869-15					
2	Hydrocarbons, C14	I-C18, n-alkanes, isoalkanes, cyclics, aromatics				
	(2-30 %)					
	-	Asp. Tox. 1; H304	>=	5.00 - <	10.00	%-b.w.
	920-360-0	EUH066				
	-					
	01-2119448343-41					
3	Hydrocarbons, C10	0-C13, n-alkanes, isoalkanes, cyclics, aromatics				
	(2-25%)	· · · · · ·				
	64742-82-1	Asp. Tox. 1; H304	>=	5.00 - <	10.00	%-b.w.
	919-164-8	Aquatic Chronic 3; H412				
	649-330-00-2	EÚH066				
	01-2119473977-17	STOT RE 1; H372				
4	2-butoxyethanol	· · · · · ·				
	111-76-2	Acute Tox. 4; H302	<	5.00		%-b.w.
	203-905-0	Acute Tox. 4; H312				
	603-014-00-0	Acute Tox. 4; H332				
	01-2119475108-36					
		Skin Irrit. 2; H315				
Full	Text for all H-phrases	and EUH-phrases: pls. see section 16	1			1

Full Text for all H-phrases and EUH-phrases: pls. see section 16

# No Route, target organ, concrete effect

H372 3

-; central nervous system; -

# **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

#### General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position. In case of persisting adverse effects, consult a physician.

# After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

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#### After skin contact

In case of contact with skin wash off immediately with soap and water.

#### After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

#### After ingestion

Do not induce vomiting - aspiration hazard. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. If individual is drowsy or unconscious, place in recovery position (on left side, with head down).

#### **4.2 Most important symptoms and effects, both acute and delayed** No data available.

**4.3** Indication of any immediate medical attention and special treatment needed No data available.

## **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

# Suitable extinguishing media

Water spray jet; Foam; Carbon dioxide; Extinguishing powder

Unsuitable extinguishing media

High power water jet

#### 5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO2); Carbon dioxide (CO2); Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

#### 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Cool endangered containers with water spray jet. Do not allow run-off from fire fighting to enter drains or water courses.

## **SECTION 6: Accidental release measures**

## 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away sources of ignition.

#### For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

#### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

# **6.3 Methods and material for containment and cleaning up** Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When picked up, treat material as prescribed under heading "Disposal considerations".

#### 6.4 Reference to other sections

No data available.

# **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

#### Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far it is possible by the state of the art.

#### General protective and hygiene measures



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Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work.

## Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

## 7.2 Conditions for safe storage, including any incompatibilities

# Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

#### Recommended storage temperature

Value

°C

#### Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container. Protect from heat and direct sunlight.

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#### Incompatible products

Do not store together with: Acids; Alkalies; oxidizing agents

## 7.3 Specific end use(s)

No data available.

## **SECTION 8: Exposure controls/personal protection**

# 8.1 Control parameters

## Occupational exposure limit values

No	Substance name	CAS no.		EC no.	
1	2-butoxyethanol	111-76-2		203-905-0	
	2000/39/EC				
	2-Butoxyethanol				
	WEL short-term (15 min reference period)	246	mg/m³	50	ppm
	WEL long-term (8-hr TWA reference period)	98	mg/m³	20	ppm
	Skin resorption / sensibilisation	Skin			
	List of approved workplace exposure limits (WELs) / I	EH40			
	2-Butoxyethanol				
	WEL short-term (15 min reference period)	246	mg/m³	50	ppm
	WEL long-term (8-hr TWA reference period)	123	mg/m³	25	ppm
	Comments	Sk, BMGV			

## DNEL, DMEL and PNEC values

#### DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	2-butoxyethanol			111-76-2	
				203-905-0	
	dermal	Long term (chronic)	systemic	125.00	mg/kg/day
	dermal	Short term (acut)	systemic	89.00	mg/kg/day
	inhalative	Long term (chronic)	systemic	98.00	mg/m³
	inhalative	Short term (acut)	systemic	1091.00	mg/m³
	inhalative	Long term (chronic)	local	246.00	mg/m³

## DNEL value (consumer)

No	Substance name	Substance name			no
	Route of exposure	Exposure time	Effect	Value	
1	2-butoxyethanol			111-76-2	
	-			203-905-0	
	oral	Long term (chronic)	systemic	6.30	mg/kg/day
	oral	Short term (acut)	systemic	26.70	mg/kg/day
	dermal	Long term (chronic)	systemic	75.00	mg/kg/day
	dermal	Short term (acut)	systemic	89.00	mg/kg/day
	inhalative	Long term (chronic)	systemic	59.00	mg/m³



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inhalative	Short term (acut)	systemic	426.00	mg/m³
inhalative	Long term (chronic)	local	147.00	mg/m³

	PNEC values			
No	Substance name		CAS / EC no	
	ecological compartment	Туре	Value	
1	2-butoxyethanol		111-76-2	
			203-905-0	
	water	fresh water	8.80	mg/L
	water	marine water	0.88	mg/L
	water	fresh water sediment	34.60	mg/kg
	with reference to: dry weight			
	water	marine water sediment	3.46	mg/kg
	water	Aqua intermittent	26.4	mg/L
	soil	-	2.33	mg/kg dry
				weight
	sewage treatment plant	-	463.00	mg/L
	secondary poisoning	-	0.02	g/kg

#### 8.2 Exposure controls

# Appropriate engineering controls No data available.

#### Personal protective equipment

#### Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol, vapour and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. combination filter Respirator EN14387-A

#### Eye / face protection

Safety glasses with side protection shield (EN 166)

#### Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material<br/>Material thicknessIn case of short-term contact / splash protection: PVCMaterial thickness0.8Breakthrough time4OtherNormal chemical work clothing.<br/>Appropriate Materialcotton

Environmental exposure controls No data available.

## **SECTION 9: Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

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quid
•
dour
o data available
dour threshold
o data available
H value
o data available



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	61	2° −	
	61	2°	
	61	°C	
	61	°C	
	61		
	61	°C	
	61	°C	
	CAS no.		EC no.
-	111-76-2		203-905-0
			°C
ECHA		20	C C
,			
1	20.5	mm²/e	
	20.5 40	°C	
kinematic			
	ECHA < kinematic	111-76-2 ECHA < 20.5 40	111-76-2           0.81           25           ECHA           <

# SECTION 10: Stability and reactivity

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# 10.1 Reactivity

Dangerous reactions are not expected if the product is handled according to its intended use.

# 10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

- **10.4 Conditions to avoid** Heat, naked flames and other ignition sources.
- **10.5** Incompatible materials None known.
- **10.6 Hazardous decomposition products** No hazardous decomposition products known.

# **SECTION 11: Toxicological information**

## **11.1** Information on toxicological effects

Acu	Acute oral toxicity (result of the ATE calculation for the mixture)			
No	Product Name			
1	ERC satamin 3101			
Corr	ments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).		

Acu	te oral toxicity				
No	Substance name		CAS no.		EC no.
1	Hydrocarbons, C14-C18, n-alkanes, isoa cyclics, aromatics (2-30 %)	lkanes,	-		920-360-0
LD5	0	>		4150	mg/kg bodyweight
Spe Meth Sou	hod	rat OECD 423 ECHA			
2	2-butoxyethanol		111-76-2		203-905-0
LD5	0			1746	mg/kg bodyweight
Spe	cies	rat			
Meth	nod	OECD 401			
Sou	rce	ECHA			

Acu	Acute dermal toxicity (result of the ATE calculation for the mixture)			
No	Product Name			
1	ERC satamin 3101			
Corr	nments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE dermal > 2000 mg/kg).		

te dermal toxicity				
Substance name		CAS no.		EC no.
Hydrocarbons, C14-C18, n-alkanes, isoa	lkanes,	-		920-360-0
cyclics, aromatics (2-30 %)				
0	>		2000	mg/kg bodyweight
cies	rabbit			
nod	OECD 402			
rce	ECHA			
2-butoxyethanol		111-76-2		203-905-0
0	>		2000	mg/kg bodyweight
	Hydrocarbons, C14-C18, n-alkanes, isoa cyclics, aromatics (2-30 %) dicies nod ce 2-butoxyethanol	Substance name         Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)         D       >         Cies       rabbit         nod       OECD 402         ce       ECHA         2-butoxyethanol       >	Substance nameCAS no.Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)-D>Ciesrabbit OECD 402 ECHA2-butoxyethanol111-76-2	Substance nameCAS no.Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)-D>2000D>2000ciesrabbit OECD 402 ECHA-2-butoxyethanol111-76-2





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Sne	ecies	guinea pig			
	thod	OECD 402			
	lice	ECHA			
300	lice	ECHA			
	ute inhalational toxicity (result of	the ATE calculation f	or the mixture)		
	Product Name				
1 Car	ERC satamin 3101	The result o	t the enviored and		had according to the
Cor	nments	European R Part 3 of An labelling of t respective of	egulation (EC) nex I is outside his mixture acco	1272/2008 ( the values t ording to tab for inhalation	hod according to the CLP), Paragraph 3.1.3.6, hat imply a classification / le 3.1.1 defining the n: > 20.000 ppmV (gases) ).
Αςι	ute inhalational toxicity				
			CAS no.		EC no.
1	Hydrocarbons, C14-C18, n-alka cyclics, aromatics (2-30 %)	nes, isoalkanes,	-		920-360-0
LC5		>		5.28	mg/l
	ration of exposure			4	h
	te of aggregation	mist			
	ecies	rat			
	thod	OECD 403			
	lice	ECHA			
Eva	aluation/classification	Based on av	ailable data, the	e classificatio	on criteria are not met.
Ski	n corrosion/irritation				
	Substance name		CAS no.		EC no.
1	Hydrocarbons, C14-C18, n-alka	nes, isoalkanes,	-		920-360-0
	cyclics, aromatics (2-30 %)				
	ecies	rabbit			
	thod	OECD 404			
	urce	ECHA			
-	aluation	non-irritant			
	2-butoxyethanol		111-76-2		203-905-0
	ration of exposure			4	h
	ecies	rabbit			
	thod	EU B.4			
		ECHA			
Eva	aluation	irritant			
	rious eye damage/irritation Substance name		CAS no.		EC no.
1	Hydrocarbons, C14-C18, n-alka	noo iooolkanoo	CA5 110.		920-360-0
1	cyclics, aromatics (2-30 %)	nes, isoaikanes,	-		920-300-0
	ecies	rabbit			
	thod	OECD 405			
	urce	ECHA			
	aluation	non-irritant			
2	2-butoxyethanol		111-76-2	0.4	203-905-0
	ration of exposure	11.5		24	h
	ecies	rabbit			
	thod	OECD 405			
301	urce aluation	ECHA	N/OC		
		Irritating to e	Eyes		
Eva	spiratory or skin sensitisation		CAS ===		EC no
Eva Res			CAS no.		EC no. 920-360-0
Eva Res No	Substance name	nee leestliewss	-		920-360-0
Eva Res No	Substance name Hydrocarbons, C14-C18, n-alka	nes, isoalkanes,			
Eva Res No 1	Substance name	Skin			
Eva Res No 1 Rou Spe	Substance name Hydrocarbons, C14-C18, n-alka cyclics, aromatics (2-30 %) ute of exposure eccies	Skin guinea pig			
Eva Res No 1 Rou Spe	Substance name Hydrocarbons, C14-C18, n-alka cyclics, aromatics (2-30 %) ute of exposure	Skin	ing 111-76-2		203-905-0



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Name         Description         Data           Species         guinea pig OECD 406         OECD 406           Source         ECHA         non-sensitizing           Born cell mutagenicity         ECHA         No           Substance name         CAS no.         EC no.           1         Hydrocarbons, C14-C18, n-alkanes, isoalkanes, -         920-360-0           cyclics, aromatics (2:00 %)         Chromosome aberration test           Human Lymphocyte         OECD 473           Source         ECHA           Evaluation/classification         Based on available data, the classification criteria are not met.           Species         Salmonella typhinurulum           Method         OECD 471           Source         ECHA           Evaluation/classification         Based on available data, the classification criteria are not met.           Zabutoxyethanol         OECD 471           Source         ECHA           Valuation/classification         Based on available data, the classification criteria are not met.           Reproduction toxicity         No data available           No data available         CECH 471           Source         ECHA           Based on available data, the classification criteria are not met.           Reprodu	Rou	te of exposure	Skin	
Method     ÖECD 406       Evaluation     ECHA       Paraluation     non-sensitizing       Germ cell mutagenicity     No       No     Substance name     CAS no.       Explore     ECHA       Species     Human Lymphocyte       OECD 473     ECHA       Source     Salmonella typhimurium       OECD 471     ECHA       Evaluation/classification     Based on available data, the classification criteria are not met.       Zabutoxyethanol     OECD 471       Source     ECHA       Evaluation/classification     ECEA 41       Evaluation/classification     ECEA 50       Carcinogenicity     Carelongenicity       No data available<				
Source EVALUATION EVALUATE CHA non-sensitizing Evaluation Inon-sensitizing Evaluation I development Evaluation I Hydrocarbons, C14-C18, n-alkanes, isoalkanes, - 920-360-0 cyclics, aromatics (2-30 %) Type of examination Species Human Lymphocyte OECD 473 EVALUATION Evaluation/classification Based on available data, the classification criteria are not met. Evaluation/classification EVALUATION EV				
non-sensitizing           One-sensitizing           Germ cell mutagenicity           No           Surve cell mutagenicity           CAS no. EC no.           Type of examination           Species           Chromosome aberration test           Human Lymphocyte           OECD 473           Source         ECHA           Based on available data, the classification criteria are not met.           Type of examination         Based on available data, the classification criteria are not met.           Species         Salmonell typhimurium           OECD 471           Source         ECHA           ECHA           Based on available data, the classification criteria are not met.           ECHA           ECHA           ECHA           Based on available data, the classification criteria are not met.           Based on available data, the classification criteria are not met.           Represervementation (classification criteria are not met.           Based on available data, t				
No       Substance name       CAS no.       EC no.         1       Hydrocarbons, C14-C18, n-alkanes, isoalkanes, -       920-360-0         cyclics, aromatics (2-30 %)       Chromosome aberration test         Type of examination       Chromosome aberration test         Species       Based on available data, the classification criteria are not met.         EVALuation/classification       Based on available data, the classification criteria are not met.         Species       Salmonella typhinurium         OECD 471       ECHA         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         2       2-butoxyethanol       111-76-2       203-905-0         Method       OECD 471       ECHA         Source       ECHA       Based on available data, the classification criteria are not met.         Reproduction toxicity       No data available       No         No data available       CAS no.       EC no.         Stort       regeted exposure       OECD 451         Source       ECHA       Eased on available data, the classification criteria are not met.         Stort       regeted exposure       OECD 451         Source       ECHA       Eased on available data, the classification cri	Eval	luation		
No       Substance name       CAS no.       EC no.         1       Hydrocarbons, C14-C18, n-alkanes, isoalkanes, -       920-360-0         cyclics, aromatics (2-30 %)       Chromosome aberration test         Type of examination       Chromosome aberration test         Species       Based on available data, the classification criteria are not met.         EVALuation/classification       Based on available data, the classification criteria are not met.         Species       Salmonella typhinurium         OECD 471       ECHA         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         2       2-butoxyethanol       111-76-2       203-905-0         Method       OECD 471       ECHA         Source       ECHA       Based on available data, the classification criteria are not met.         Reproduction toxicity       No data available       No         No data available       CAS no.       EC no.         Stort       regeted exposure       OECD 451         Source       ECHA       Eased on available data, the classification criteria are not met.         Stort       regeted exposure       OECD 451         Source       ECHA       Eased on available data, the classification cri	<b>C</b> = 1			
1       Hydrocarbons, C14-C18, n-alkanes, isoalkanes, -       920-360-0         Type of examination       Chromosome aberration test         Species       Human Lymphocyte         OECD 473       ECHA         Source       ECHA         Based on available data, the classification criteria are not met.         Species       Salimonella typhimurium         Method       OECD 471         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         2       2-butoxyethanol       11-76-2         Method       OECD 471         Source       ECHA         Valuation/classification       Based on available data, the classification criteria are not met.         2       2-butoxyethanol       11-76-2         Source       ECHA         Valuation/classification       Based on available data, the classification criteria are not met.         Reproduction toxicity       No         No data available       CAS no.       EC no.         2-butoxyethanol       111-76-2       203-905-0         7       rat       OECD 471       Explantion chassification criteria are not met.         Supcies       rat       OECD 451       ECHA			CAS no.	EC no
cyclics, aromatics (2-30 %)         Species       Chromosome aberration test         Method       OECD 473         Source       ECHA         Based on available data, the classification criteria are not met.       Based on available data, the classification criteria are not met.         Species       Salmonella typhimurium         Method       OECD 471         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Z 2-butoxyethanol       111-76-2       203-905-0         Method       OECD 471         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Reproduction toxicity       DecCh 471         No data available       Carcinogenicity         No       Substance name       CAS no.         Carcinogenicity       CeLA         No data available       Salfication criteria are not met.         STOT - repeated exposure       CAS no.       EC no.         No data available       Substance name       CAS no.       EC no.         STOT - repeated exposure       CAS no.       EC no.       EC no.         No data available       Substance name       CA				
Type of examination       Chromosome aberration test         Species       Human Lymphocyte         OECD 473       ECHA         Based on available data, the classification criteria are not met.       Based on available data, the classification criteria are not met.         Species       Salmonella typhimurium       OECD 471         Source       ECHA       Based on available data, the classification criteria are not met.         Species       Salmonella typhimurium       OECD 471         Source       ECHA       Based on available data, the classification criteria are not met.         2       2-butoxyethanol       111-76-2       203-905-0         Method       OECD 471       ECHA       Based on available data, the classification criteria are not met.         Reproduction toxicity       No data available       Carcinogenicity       Reproduction toxicity         No data available       OECD 451       Source       Species         Stort - single exposure       No data available       Stort - repeated exposure       Source         No data available       OECD 401       EC no.       1         Stort - repeated exposure       oral       Species       rat         No data available       OECD 407       Source       Source       SCAS no.       EC no.	•		Indites, -	920-300-0
Species     Human Lymphocyte       Method     OECD 473       Source     ECHA       Based on available data, the classification criteria are not met.     Based on available data, the classification criteria are not met.       Species     Salmonella typhimurium       Method     OECD 471       Source     ECHA       Evaluation/classification     Based on available data, the classification criteria are not met.       Evaluation/classification     Based on available data, the classification criteria are not met.       Evaluation/classification     Based on available data, the classification criteria are not met.       Reproduction toxicity     No       No fata available     Carcinogenicity       No     Subtance name     CAS no.       ECHA     Based on available data, the classification criteria are not met.       Storce     EC HA       Source     EC HA       Subtance name     CAS no.       EC NA     Based on available data, the classification criteria are not met.       STOT - repeated exposure     Ital rofe-2       No     Subtance name     CAS no.       EC no.     Ital vailable       Storce     EC HA       Based on available data, the classification criteria are not met.       STOT - repeated exposure     CAS no.       No     Subtance name <td< td=""><td>Type</td><td></td><td>Chromosome aberration test</td><td></td></td<>	Type		Chromosome aberration test	
Method     OECD 473       ECHA     ECHA       Based on available data, the classification criteria are not met.     Based on available data, the classification criteria are not met.       Species     Salmonella typhilumurum       Method     OECD 471       Source     ECHA       Evaluation/classification     Based on available data, the classification criteria are not met.       2     2-butoxyethanol     111-76-2       2     2-butoxyethanol     ECHA       Based on available data, the classification criteria are not met.     ECHA       Source     ECHA       Based on available data, the classification criteria are not met.     ECHA       Source     ECHA       Source     ECHA       Reproduction toxicity     Based on available data, the classification criteria are not met.       Reproduction toxicity     Reproduction toxicity       No     Substance name     CAS no.       EC no.     1       2-butoxyethanol     111-76-2       Source     ECHA       Based on available data, the classification criteria are not met.       Stottance name     CAS no.       EC no.     1       2-butoxyethanol     111-76-2       Source     ECHA       Based on available data, the classification criteria are not met.       STOT -				
Evaluation/classification       Based on available data, the classification criteria are not met.         Type of examination       Bacterial Reverse Mutation Test         Species       Salmonella typhimurium         Method       OECD 471         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         2       2-butoxyethanol       111-76-2       203-905-0         Method       OECD 471       Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Reproduction toxicity       No data available       Carcinogenicity         No data available       CAS no.       EC no.         1       2-butoxyethanol       111-76-2       203-905-0         Species       rat       SecondEC no.       1         No data available       CAS no.       EC no.       1         Substance name       CAS no.       EC no.       1         Stort - single exposure       rat       Sucha available       Stort - single exposure       0         No Substance name       CAS no.       EC no.       1       Hydrocarbons, C14-C18, n-alkanes, isoalkanes, -       920-360-0       202/360-0       202/360-0       <				
Type of examination       Bacterial Reverse Mutation Test         Species       Salmonella typhimurum         Species       Salmonella typhimurum         Source       ECHA         Source       ECHA         2       2-butoxyethanol       111-76-2         2       2-butoxyethanol       OECD 471         Evaluation/classification       Based on available data, the classification criteria are not met.         Reproduction toxicity       Based on available data, the classification criteria are not met.         Reproduction toxicity       CAS no.       EC no.         No data available       Carcinogenicity       CAS no.       EC no.         No Substance name       CAS no.       EC no.       111-76-2       203-905-0         Species       rat       OECD 451       EcHA       EcHA       EcHA         Sucre       ECHA       Based on available data, the classification criteria are not met.       Stotscassification       EcHA         Source       ECHA       Based on available data, the classification criteria are not met.       Stotscassification       EcHA         Substance name       CAS no.       EC no.       No       Substance name       CAS no.       EC no.         No       Substance name       CAS no.       EC no	Sou	rce	ECHA	
Species       Salmonella typhimurium         Method       OECD 471         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         2       2-butoxyethanol       111-76-2         Method       OECD 471         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Reproduction toxicity       Reproduction toxicity         No       data available         Carcinogenicity       Reproduction toxicity         No       Substance name       CAS no.         EC no.       1         1       2-butoxyethanol       111-76-2         Source       EC A         Source       EC no.       1         Source       EC HA         Evaluation/classification       Based on available data, the classification criteria are not met.         STOT - single exposure       No data available         No       Substance name       CAS no.       EC no.         1       Hydrocarbons, C14-C18, n-alkanes, isoalkanes, -       920-360-0       202-360-0         cyclics, aromatics (2-30 %)       cyclics, aromatics (2-30 %)       concleantics       concleantics <td>Eval</td> <td>luation/classification</td> <td>Based on available data, the classification</td> <td>on criteria are not met.</td>	Eval	luation/classification	Based on available data, the classification	on criteria are not met.
Method     OECD 471       Source     ECHA       Based on available data, the classification criteria are not met.       2     2-butoxyethanol       0ECD 471       Source     ECHA       Evaluation/classification     Based on available data, the classification criteria are not met.       Reproduction toxicity     Based on available data, the classification criteria are not met.       Reproduction toxicity     No data available       Carcinogenicity     No       No Isubstance name     CAS no.       EC HA     ECHA       Substance name     CAS no.       EC HA     Substance name       Substance name     CAS no.       EC HA     OECD 451       Source     ECHA       Substance name     CAS no.       EC HA     Based on available data, the classification criteria are not met.       STOT - single exposure     OECD 451       No data available     Stot - single exposure       No data available     CAS no.       STOT - repeated exposure     Oral       No data available     CAS no.       Species     rat       No data available     CAS no.       Stot - repeated exposure     oral       No data available     CAS no.       Species     rat       No dat	Туре	e of examination	Bacterial Reverse Mutation Test	
Source ECHA Based on available data, the classification criteria are not met. Part Source ECHA Based on available data, the classification criteria are not met. Pased on available data, the classification criteria are not met. Provide a available data, the classification criteria are not met. Provide a available data, the classification criteria are not met. Provide a available Provide a available Provide a available data, the classification criteria are not met. Provide a available data available data, the classification criteria are not met. Provide a available data available data, the classification criteria are not met. Provide a available data available data, the classification criteria are not met. Provide a available data availab	Spe	cies		
Evaluation/classification       Based on available data, the classification criteria are not met.         2       2-butoxyethanol       0ECD 471         Source       ECHA         Based on available data, the classification criteria are not met.         Reproduction toxicity       Based on available data, the classification criteria are not met.         Reproduction toxicity       CAS no.       EC no.         No data available       111-76-2       203-905-0         Species       rat       0ECD 451         Source       ECHA       ECHA         No data available       0ECD 451       0ECD 451         Source       ECHA       Based on available data, the classification criteria are not met.         STOT - single exposure       OECD 451       ECHA         No data available       Substance name       CAS no.       EC no.         STOT - repeated exposure       rat       OeCD 407       920-360-0         cyclics, aromatics (2-30 %)       rat       OECD 407       Source       ECHA         Species       rat       OECD 407       ECHA       Source       FCHA         Species       rat       OECD 407       ECHA       Source       Source       ECHA         Species       rat       OECD 407				
2       2-butoxyethanol       111-76-2       203-905-0         Method       OECD 471       ECHA       Based on available data, the classification criteria are not met.         Reproduction toxicity       Based on available data, the classification criteria are not met.       Reproduction toxicity         No       Substance name       CAS no.       EC no.         1       2-butoxyethanol       111-76-2       203-905-0         Species       rat       0ECD 451       Source         Source       ECHA       Based on available data, the classification criteria are not met.         STOT - single exposure       DeCD 451       Source         No       Substance name       CAS no.       EC no.         STOT - single exposure       No       Substance name       CAS no.       EC no.         No       Substance name       CAS no.       EC no.       1         Hydrocarbons, C14-C18, n-alkanes, isoalkanes, -       920-360-0       202-360-0         cyclics, aromatics (2-30 %)       rat       Source       ECHA         Source       irat       Source       ECHA       Exeluation/classification criteria are not met.         Route of exposure       inhalational       ECHA       Exeluation/classification criteria are not met.         Rout				
Method       OECD 471         Source       ECHA         Based on available data, the classification criteria are not met.         Reproduction toxicity       No data available         Carcinogenicity       Image: CAS no.         No       Substance name       CAS no.         I       2-butoxyethanol       111-76-2         203-905-0       Species       rat         Method       OECD 451       Source         Evaluation/classification       Based on available data, the classification criteria are not met.         STOT - single exposure       No       Substance name         No       Substance name       CAS no.       EC no.         T - single exposure       No       Substance name       CAS no.       EC no.         No       Substance name       CAS no.       EC no.       1         Hydrocarbons, C14-C18, n-alkanes, isoalkanes, -       920-360-0       20       20-360-0       20         cyclics, aromatics (2-30 %)       rat       OECD 407       Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.       Route of exposure       rat         Species       rat       OECD 407       Source       ECHA <t< td=""><td></td><td></td><td></td><td></td></t<>				
Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Reproduction toxicity       No data available         Carcinogenicity       No         No       Substance name       CAS no.         EC no.       1         2-butoxyethanol       111-76-2       203-905-0         Species       rat       OECD 451         Source       ECHA       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         STOT - single exposure       CAS no.       EC no.         No data available       Stot - repeated exposure       No data available         STOT - repeated exposure       OCAS no.       EC no.         No Substance name       CAS no.       EC no.         1       Hydrocarbons, C14-C18, n-alkanes, isoalkanes, -       920-360-0         cyclics, aromatics (2-30 %)       COECD 407       Source         Source       rat       CAS no.       EC no.         Route of exposure       rat       CAS no.       EC no.         Species       rat       CAS no.       EC no.         Route of exposure       crat       CAS no.       EC no.				203-905-0
Evaluation/classification       Based on available data, the classification criteria are not met.         Reproduction toxicity         No       Substance name       CAS no.       EC no.         1       2-butoxyethanol       111-76-2       203-905-0         Species       rat       OECD 451         Source       ECHA       Based on available data, the classification criteria are not met.         STOT - single exposure       ECHA         No       Substance name       CAS no.       EC no.         STOT - repeated exposure       EC No.       EC no.       1         No       Substance name       CAS no.       EC no.       1         Hydrocarbons, C14-C18, n-alkanes, isoalkanes, -       920-360-0       20-360-0       20-360-0       20-360-0       20-360-0       20-360-0       20-360-0       20-360-0       20-360-0       20-360-0       20-360-0       20-360-0       20-360-0       20-360-0       20-20-360-0       20-360-0       20-20-360-0       20-20-360-0       20-20-360-0       20-20-360-0       20-20-360-0       20-20-360-0       20-20-360-0       20-20-360-0       20-20-360-0       20-20-360-0       20-20-360-0       20-20-360-0       20-20-360-0       20-20-360-0       20-20-360-0       20-20-360-0       20-20-360-0       20-				
Reproduction toxicity         No       Substance name       CAS no.       EC no.         1       2-butoxyethanol       111-76-2       203-905-0         Species       rat       OECD 451         Method       OECD 451       ECHA         Source       ECHA       Based on available data, the classification criteria are not met.         STOT - single exposure       No data available       STOT - repeated exposure         No data available       Substance name       CAS no.       EC no.         StoT - repeated exposure       No       Substance name       CAS no.       EC no.         No data available       StoT - repeated exposure       -       920-360-0       -         Substance name       CAS no.       EC no.       -       920-360-0       -         cyclics, aromatics (2-30 %)       -       920-360-0       -       -       920-360-0       -       -       -       920-360-0       -       -       -       -       -       -       -       -       920-360-0       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -			-	<b>.</b>
No       data available         Carcinogenicity       CAS no.       EC no.         No       Substance name       CAS no.       EC no.         1       2-butoxyethanol       111-76-2       203-905-0         Species       rat       OECD 451         Source       ECHA       Based on available data, the classification criteria are not met.         STOT - single exposure       No data available       CAS no.       EC no.         STOT - repeated exposure       CAS no.       EC no.       1         No data available       CAS no.       EC no.       1         Stotace name       CAS no.       EC no.       1         No data available       Stotace name       CAS no.       EC no.       1         No data available       Stotace name       CAS no.       EC no.       1         No data available       Stotace name       CAS no.       EC no.       1         No data available       Stotace name       CAS no.       EC no.       1         No data available       Stotace name       CAS no.       EC no.       1         No data ovaliable       OECD 407       Source       Item of exposure       Item of exposure       Item of exposure       Item of exposure       It	⊧val	Iuation/classification	Based on available data, the classification	on criteria are not met.
No       data available         Carcinogenicity       CAS no.       EC no.         No       Substance name       CAS no.       EC no.         1       2-butoxyethanol       111-76-2       203-905-0         Species       rat       OECD 451         Source       ECHA       Based on available data, the classification criteria are not met.         STOT - single exposure       No data available       CAS no.       EC no.         STOT - repeated exposure       CAS no.       EC no.       1         No data available       CAS no.       EC no.       1         Stotace name       CAS no.       EC no.       1         No data available       Stotace name       CAS no.       EC no.       1         No data available       Stotace name       CAS no.       EC no.       1         No data available       Stotace name       CAS no.       EC no.       1         No data available       Stotace name       CAS no.       EC no.       1         No data available       Stotace name       CAS no.       EC no.       1         No data available       OECD 407       Source       Item of exposure       Item of exposure       Item of exposure       Item of exposure       It	Rep	production toxicity		
No       Substance name       CAS no.       EC no.         1       2-butoxyethanol       111-76-2       203-905-0         Species       rat       OECD 451         Source       ECHA       Based on available data, the classification criteria are not met.         STOT - single exposure       No       data available         STOT - repeated exposure       CAS no.       EC no.         No       Substance name       CAS no.       EC no.         1       Hydrocarbons, C14-C18, n-alkanes, isoalkanes, -       920-360-0         cyclics, aromatics (2-30 %)       oral       Species         Route of exposure       oral       OECD 407         Species       rat       OECD 407         Source       ECHA       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Route of exposure       oral       OECD 407         Species       rat       OECD 413         Route of exposure       inhalational       Species         Species       rat       OECD 413         Source       ECHA       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Aspiration hazar				
No       Substance name       CAS no.       EC no.         1       2-butoxyethanol       111-76-2       203-905-0         Species       rat       OECD 451         Source       ECHA       Based on available data, the classification criteria are not met.         STOT - single exposure       No       data available         STOT - repeated exposure       CAS no.       EC no.         No       Substance name       CAS no.       EC no.         1       Hydrocarbons, C14-C18, n-alkanes, isoalkanes, -       920-360-0         cyclics, aromatics (2-30 %)       oral       Species         Route of exposure       oral       OECD 407         Species       rat       OECD 407         Source       ECHA       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Route of exposure       oral       OECD 407         Species       rat       OECD 413         Route of exposure       inhalational       Species         Species       rat       OECD 413         Source       ECHA       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Aspiration hazar	<b>C</b>			
1       2-butoxyethanol       111-76-2       203-905-0         Species       rat       OECD 451         Source       ECHA       Based on available data, the classification criteria are not met.         STOT - single exposure       Based on available data, the classification criteria are not met.         No data available       STOT - repeated exposure         No       Substance name       CAS no.         Vicitics, aromatics (2-30 %)       Cas no.         Route of exposure       oral         Species       rat         Method       OECD 407         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Route of exposure       OECD 407         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Route of exposure       inhalational         Species       rat         OECD 413       OECD 413         Source       ECHA         EValuation/classification       Based on available data, the classification criteria are not met.         Aspiration hazard       DECD 413         No data available       Based on available data, the classification criteria are not met. <td></td> <td></td> <td>CAC ===</td> <td><b>FO mo</b></td>			CAC ===	<b>FO mo</b>
Species       rat         Method       OECD 451         Source       ECHA         Based on available data, the classification criteria are not met.         STOT - single exposure         No data available         STOT - repeated exposure         No         Substance name       CAS no.         Pydroarbons, C14-C18, n-alkanes, isoalkanes, -         species         Route of exposure         Source         ECHA         Based on available data, the classification criteria are not met.         Species         Route of exposure         Source         ECHA         Based on available data, the classification criteria are not met.         Route of exposure         Source         ECHA         Based on available data, the classification criteria are not met.         Route of exposure         inhalational         Species         rat         OECD 413         Source         ECHA         Based on available data, the classification criteria are not met.         Species         rat         OECD 413         Source         ECHA				
Method       OECD 451         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         STOT - single exposure       Image: Store of the	-		1	203-905-0
Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         STOT - single exposure       No data available         STOT - repeated exposure       CAS no.       EC no.         No       Substance name       CAS no.       EC no.         1       Hydrocarbons, C14-C18, n-alkanes, isoalkanes, -       920-360-0         cyclics, aromatics (2-30 %)       oral         Route of exposure       oral         Species       rat         Method       OECD 407         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Route of exposure       inhalational         Species       rat         Method       OECD 413         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Route of exposure       inhalational         Species       rat         Method       OECD 413         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Aspiration hazard       DecD 413         No data a				
Evaluation/classification       Based on available data, the classification criteria are not met.         STOT - single exposure         No data available         STOT - repeated exposure         CAS no.       EC no.         1       Hydrocarbons, C14-C18, n-alkanes, isoalkanes, -       920-360-0         cyclics, aromatics (2-30 %)       rat         Route of exposure         Route of exposure       oral         Species       rat         Method       OECD 407         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Route of exposure       inhalational         Species       rat         Method       OECD 407         Source       ECHA         Bosed on available data, the classification criteria are not met.         Route of exposure       inhalational         Species       rat         Method       OECD 413         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Aspiration hazard       No data available				
STOT - single exposure         No data available         STOT - repeated exposure         STOT - repeated exposure         No       Substance name       CAS no.       EC no.         1       Hydrocarbons, C14-C18, n-alkanes, isoalkanes, or grad       -       920-360-0       -         cyclics, aromatics (2-30 %)       Oral       -       920-360-0       -         Route of exposure       oral       -       920-360-0       -       -         Species       rat       OECD 407       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -			-	on criteria are not met.
No data available         STOT - repeated exposure         CAS no.       EC no.         No Substance name       CAS no.       EC no.         Hydrocarbons, C14-C18, n-alkanes, isoalkanes, -       920-360-0         cyclics, aromatics (2-30 %)         Route of exposure       oral         Species       rat         Method       OECD 407         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Route of exposure       inhalational         Species       rat         OECD 413       Species         For thod       OECD 413         Species       rat         Method       OECD 413         Source       ECHA         Based on available data, the classification criteria are not met.         Aspiration hazard       No data available         No data available       Velocut available	070			
STOT - repeated exposure         No       Substance name       CAS no.       EC no.         Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)       -       920-360-0         Route of exposure       oral       920-360-0         Species       rat       0ECD 407         Method       OECD 407       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Route of exposure       inhalational         Species       rat         Boute of exposure       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Species       rat         Method       OECD 413         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Aspiration hazard       Based on available data, the classification criteria are not met.				
No       Substance name       CAS no.       EC no.         1       Hydrocarbons, C14-C18, n-alkanes, isoalkanes, -       920-360-0         cyclics, aromatics (2-30 %)       oral         Route of exposure       oral         Species       rat         Method       OECD 407         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Route of exposure       inhalational         Species       rat         Method       OECD 413         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Route of exposure       inhalational         Species       rat         Method       OECD 413         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Aspiration hazard       No data available				
1       Hydrocarbons, C14-C18, n-alkanes, isoalkanes, -       920-360-0         cyclics, aromatics (2-30 %)       oral         Route of exposure       oral         Species       rat         Method       OECD 407         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Route of exposure       inhalational         Species       rat         Method       OECD 413         Source       ECHA         Route of exposure       inhalational         Species       rat         Method       OECD 413         Source       ECHA         Method       OECD 413         Source       ECHA         Method       OECD 413         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Aspiration hazard       No data available				
cyclics, aromatics (2-30 %)         Route of exposure       oral         Species       rat         Method       OECD 407         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Route of exposure       inhalational         Species       rat         Method       OECD 413         Source       ECHA         Source       ECHA         Species       rat         Method       OECD 413         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Aspiration hazard       No data available				
Route of exposure     oral       Species     rat       Method     OECD 407       Source     ECHA       Evaluation/classification     Based on available data, the classification criteria are not met.       Route of exposure     inhalational       Species     rat       Method     OECD 413       Source     ECHA       Evaluation/classification     Based on available data, the classification criteria are not met.       Species     rat       Method     OECD 413       Source     ECHA       Evaluation/classification     Based on available data, the classification criteria are not met.       Aspiration hazard     No data available	1		Ikanes, -	920-360-0
Species       rat         Method       OECD 407         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Route of exposure       inhalational         Species       rat         Method       OECD 413         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Method       OECD 413         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Aspiration hazard       No data available	Pour		oral	
Method       OECD 407         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Route of exposure       inhalational         Species       rat         Method       OECD 413         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Aspiration hazard       No data available				
Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Route of exposure       inhalational         Species       rat         Method       OECD 413         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Aspiration hazard       No data available				
Evaluation/classification       Based on available data, the classification criteria are not met.         Route of exposure       inhalational         Species       rat         Method       OECD 413         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Aspiration hazard       No data available				
Route of exposure       inhalational         Species       rat         Method       OECD 413         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Aspiration hazard       No data available				on criteria are not met
Species       rat         Method       OECD 413         Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Aspiration hazard       No data available			,	
Method     OECD 413       Source     ECHA       Evaluation/classification     Based on available data, the classification criteria are not met.       Aspiration hazard     No data available				
Source       ECHA         Evaluation/classification       Based on available data, the classification criteria are not met.         Aspiration hazard       No data available				
Evaluation/classification       Based on available data, the classification criteria are not met.         Aspiration hazard       No data available				
Aspiration hazard No data available				on criteria are not met.
No data available				
CTION 12: Ecological information	No c	data available		
CTION 12: Ecological information				

# 12.1 Toxicity

Tox	Toxicity to fish (acute)				
No	Substance name	C	AS no.	EC no.	
1	2-butoxyethanol	11	1-76-2	203-905-0	
LC5	0	>	1474	mg/l	



# Product no.: 3101

ent v	version : 2.0.1, issued: 28.06.2019	Replaced version: 2.0.0, i	ssued: 09.05	5.2019	Regior
Dur	ation of exposure		96	h	
Spe		Oncorhynchus mykiss	00		
Meth		OECD 203			
Sou		ECHA			
Тох	icity to fish (chronic)				
	Substance name	CAS no.		EC no.	
1	2-butoxyethanol	111-76-2		203-905-0	
NOE		>	100	mg/l	
	ation of exposure		21	day(s)	
Spe		Danio rerio			
Meth		OECD 204			
Sou		ECHA			
	icity to Daphnia (acute)			50	
-	Substance name	CAS no.		EC no. 203-905-0	
1 EC5	2-butoxyethanol	111-76-2	1550		
	ation of exposure		48	mg/l h	
	cies	Daphnia magna	40	11	
Meth		OECD 202			
Sou		ECHA			
Τογ	icity to Daphnia (chronic)				
	Substance name	CAS no.		EC no.	
1	2-butoxyethanol	111-76-2		203-905-0	
NOE			100	mg/l	
	ation of exposure		21	day(s)	
Spe		Daphnia magna			
Meth		OECD 211			
Sou	rce	ECHA			
	icity to algae (acute)				
	Substance name	CAS no.		EC no.	
1	2-butoxyethanol	111-76-2	014	203-905-0	
EC5	b0 ation of exposure		911 72	mg/l h	
Spe		Pseudokirchneriella subcapi		11	
Meth		OECD 201			
Sou		ECHA			
	icity to algae (chronic)				
	data available				
	teria toxicity				
	data available				
	Persistence and degradability degradability				
	Substance name	CAS no.		EC no.	
1	2-butoxyethanol	CAS 10 111-76-2		203-905-0	
		aerobic biodegradation		203-303-0	
Туре	C	aerobic biouegradation			

UVI	Substance name	CAS IIU.		EC IIO.	
1	2-butoxyethanol	111-76-2		203-905-0	
Тур	e	aerobic biodegradation			
Val	le		90.4	%	
Dur	ation		28	day(s)	
Met	hod	OECD 301 B			
Sou	rce	ECHA			
Eva	luation	readily biodegradable			

# 12.3 Bioaccumulative potential

Part	Partition coefficient: n-octanol/water				
No	Substance name	CAS no.	EC no.		
1	2-butoxyethanol	111-76-2	203-905-0		
log F	Pow	0.81			
Reference temperature		25	°C		



Produ	• <b>name:</b> ERC satamin 3101 <b>ict no.:</b> 3101 <b>t version :</b> 2.0.1, issued: 28.06.2019	Replaced version: 2.0.0, issued: 09.05.2019	<b>Region:</b> GB
Sc	purce	ECHA	
12.4	<b>Mobility in soil</b> No data available.		
	Results of PBT and vPvB assessm	ent	
PE	esults of PBT and vPvB assessment BT assessment PvB assessment	No data available. No data available.	
12.6	Other adverse effects No data available.		
	Other information		
	o not discharge product unmonitored into th	ne environment.	
SEC <sup>1</sup>	TION 13: Disposal consideration Waste treatment methods	S	
10.1	Product	ording to the European Waste Catalogue, should be carried	out in agreement
		ging and when emptied completely disposed of in accordance lely emptied packaging must be disposed of in the form of d	
SEC	TION 14: Transport information		
14.1	Transport ADR/RID/ADN The product is not subject to ADR/RID/A	DN regulations.	
14.2	Transport IMDG The product is not subject to IMDG regul	lations.	
14.3	Transport ICAO-TI / IATA The product is not subject to ICAO-TI / IA	ATA regulations.	
14.4	<b>Other information</b> No data available.		
14.5	Environmental hazards Information on environmental hazards, if	relevant, please see 14.1 - 14.3.	
14.6	Special precautions for user No data available.		
14.7	Transport in bulk according to Anr Not relevant	nex II of Marpol and the IBC Code	
SEC	TION 15: Regulatory information		
15.1	Safety, health and environmental re EU regulations	egulations/legislation specific for the substance o	or mixture
Re	egulation (EC) No 1907/2006 (REACH) An	nnex XIV (List of substances subject to authorisation)	

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

# REACH candidate list of substances of very high concern (SVHC) for authorisation



## Product no.: 3101

Current version : 2.0.1, issued: 28.06.2019

Replaced version: 2.0.0, issued: 09.05.2019

Region: GB

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

 Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

 The product is considered being subject to REACH regulation (EC) 1907/2006 annexe
 No 3

 XVII
 XVII

**Directive 2012/18/EU** on the control of major-accident hazards involving dangerous substances This product is not subject to Part 1 or 2 of Annex I.

#### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

## **SECTION 16: Other information**

#### Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

# Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

#### Department issuing safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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