

Safety Data Sheet

according to UK REACH Regulation

Lösotop

Revision date: 08.03.2022

Product code:

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Lösotop

UFI: 5R10-90K7-200E-25DU

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

Cleaner

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Company name: Schaich Chemie und Bautenschutz GmbH
Street: Ficht 8
Place: D-94107 Untergriesbach
Telephone: +49(0)8593 93 96 207
e-mail: info@schaich-chemie.de
Internet: www.schaich-chemie.de
Responsible Department: +49 (0)8593 9396207 (8:00-16:00)

Telefax: +49(0)8593 93 96 206

Supplier

Company name: Stein & Co. GmbH
Street: Wirtschaftspark Straße 3/9
Place: A-4482 Ennsdorf

1.4. Emergency telephone number: +49 (0)8593 9396207 (8:00-13:00)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GB CLP Regulation**

Flam. Liq. 3; H226
Skin Irrit. 2; H315
Eye Irrit. 2; H319
STOT SE 3; H336

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

n-butyl acetate

Signal word: Warning**Pictograms:****Hazard statements**

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

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H336 May cause drowsiness or dizziness.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P501 Dispose of this material and its container to hazardous or special waste collection point.

2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture.
 For information or further instructions, see also section 11 or 12.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
123-86-4	n-butyl acetate			80 - < 85 %
	204-658-1	607-025-00-1	01-2119485493-29	
	Flam. Liq. 3, STOT SE 3; H226 H336 EUH066			
100-51-6	benzyl alcohol			7 - < 10 %
	202-859-9	603-057-00-5	01-2119492630-38	
	Acute Tox. 4, Acute Tox. 4, Eye Irrit. 2; H332 H302 H319			
121617-08-1	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine			5 - < 7 %
	939-464-2		01-2119971970-28	
	Skin Corr. 1C, Eye Dam. 1, Aquatic Chronic 3; H314 H318 H412			
9002-92-0	Dodecan-1-ol, ethoxylated (>2.5 moles EO)			0.5 - < 1 %
	931-996-3			
	Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 3; H318 H400 H412			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
123-86-4	204-658-1	n-butyl acetate	80 - < 85 %
		inhalation: LC50 = > 6,6 mg/l (vapours); dermal: LD50 = >5000 mg/kg; oral: LD50 = 14130 mg/kg	
100-51-6	202-859-9	benzyl alcohol	7 - < 10 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = 1580 mg/kg	
121617-08-1	939-464-2	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	5 - < 7 %
		oral: LD50 = >2000 mg/kg Skin Corr. 1C; H314: >= 50 - 100 Eye Irrit. 2; H319: >= 1 - < 50	
9002-92-0	931-996-3	Dodecan-1-ol, ethoxylated (>2.5 moles EO)	0.5 - < 1 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg	

Labelling for contents according to Regulation (EC) No 648/2004

< 5 % non-ionic surfactants, perfumes (Benzyl alcohol).

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Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Take off immediately all contaminated clothing.

After inhalation

Remove person to fresh air and keep comfortable for breathing. In case of respiratory tract irritation, consult a physician.

After contact with skin

Take off immediately all contaminated clothing. After contact with skin, wash immediately with: Water and soap. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

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

refer to section 2 and 11.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water spray. dry extinguishing powder. Carbon dioxide (CO₂). alcohol resistant foam
In case of major fire and large quantities: Water spray jet alcohol resistant foam

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Gas/vapours, harmful. Carbon monoxide Carbon dioxide (CO₂), Sulphur oxides, Nitrogen oxides (NO_x)

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Remove persons to safety. Remove all sources of ignition. Ventilate affected area.
Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.
Wear personal protection equipment. (See section 8.)

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Special danger of slipping by leaking/spilling product.

For non-emergency personnel

Wear personal protection equipment (refer to section 8).

For emergency responders

No special measures are necessary.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Discharge into the environment must be avoided. Prevent spread over a wide area (e.g. by containment or oil barriers). Cover drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up**For containment**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

Other information

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Ventilate affected area.
Treat the recovered material as prescribed in the section on waste disposal.
Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Provide adequate ventilation.
Wear suitable protective clothing. (See section 8.)

Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges.
Flammable vapours can accumulate in head space of closed systems. In use, may form flammable/explosive vapour-air mixture.

Advice on general occupational hygiene

The usual precautions for handling chemicals should be considered.
Always close containers tightly after the removal of product. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Take off contaminated clothing and wash it before reuse.
Use protective skin cream before handling the product.

Further information on handling

Avoid contact with skin, eyes and clothes. Do not breathe vapour/aerosol.
General protection and hygiene measures: See section 8.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.
Make sure spills can be contained (e.g. sump pallets or kerbed areas).
Ensure adequate ventilation of the storage area.

Hints on joint storage

Do not store together with: Gas. Explosives. Flammable solids. Pyrophoric liquids and solids. Self-heating substances and mixtures. Substances and mixtures which, in contact with water, emit flammable gases.

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Oxidizing liquids. Oxidizing solids. ammonium nitrate. Self-reactive substances and mixtures. Organic peroxides. Non-combustible toxic substances. Radioactive substances. Infectious substances.

Further information on storage conditions

Protect against: UV-radiation/sunlight., Heat, Frost, Humidity

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
123-86-4	Butyl acetate	150	724		TWA (8 h)	WEL
		200	966		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
123-86-4	n-butyl acetate			
Worker DNEL, long-term		dermal	systemic	11 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	11 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	6 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	6 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	2 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	2 mg/kg bw/day
Worker DNEL, acute		inhalation	local	600 mg/m ³
Worker DNEL, acute		inhalation	systemic	600 mg/m ³
Worker DNEL, long-term		inhalation	local	300 mg/m ³
Worker DNEL, long-term		inhalation	systemic	300 mg/m ³
Consumer DNEL, acute		inhalation	local	300 mg/m ³
Consumer DNEL, acute		inhalation	systemic	300 mg/m ³
Consumer DNEL, long-term		inhalation	local	35,7 mg/m ³
Consumer DNEL, long-term		inhalation	systemic	35,7 mg/m ³
100-51-6	benzyl alcohol			
Consumer DNEL, long-term		oral	systemic	4 mg/kg bw/day
Worker DNEL, acute		inhalation	systemic	110 mg/m ³
Worker DNEL, long-term		inhalation	systemic	22 mg/m ³
Consumer DNEL, acute		oral	systemic	20 mg/kg bw/day
Consumer DNEL, acute		inhalation	systemic	27 mg/m ³
Consumer DNEL, long-term		inhalation	systemic	5,4 mg/m ³
Worker DNEL, long-term		dermal	systemic	8 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	20 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	4 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	40 mg/kg bw/day

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121617-08-1	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine		
Worker DNEL, long-term	inhalation	systemic	4,1 mg/m³
Worker DNEL, long-term	dermal	systemic	5,29 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	1,01 mg/m³
Consumer DNEL, long-term	dermal	systemic	1,2 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,58 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmental compartment		Value
123-86-4	n-butyl acetate	
Freshwater		0,18 mg/l
Freshwater (intermittent releases)		0,36 mg/l
Marine water		0,018 mg/l
Freshwater sediment		0,981 mg/kg
Marine sediment		0,098 mg/kg
Micro-organisms in sewage treatment plants (STP)		35,6 mg/l
Soil		0,09 mg/kg
100-51-6	benzyl alcohol	
Freshwater		1 mg/l
Freshwater (intermittent releases)		2,3 mg/l
Marine water		0,1 mg/l
Freshwater sediment		5,27 mg/kg
Marine sediment		0,527 mg/kg
Micro-organisms in sewage treatment plants (STP)		39 mg/l
Soil		0,456 mg/kg
121617-08-1	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	
Freshwater		0,268 mg/l
Freshwater (intermittent releases)		0,268 mg/l
Marine water		0,0268 mg/l
Freshwater sediment		8,1 mg/kg
Marine sediment		8,1 mg/kg
Micro-organisms in sewage treatment plants (STP)		7 mg/l
Soil		35 mg/kg

8.2. Exposure controls



Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection: Tightly sealed safety glasses. BS/EN 166

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Hand protection

In case of prolonged or frequently repeated skin contact: Wear suitable gloves.

Suitable material: PE/EVAL/PE

Penetration time (maximum wearing period): ≥ 480 min

Before using check leak tightness / impermeability.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Protective clothing.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

Exceeding exposure limit values

Insufficient ventilation

Suitable respiratory protective equipment: gas filtering equipment (EN 141). Type A

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

This material and its container must be disposed of in a safe way.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	light yellow
Odour:	characteristic

Changes in the physical state

Melting point/freezing point:	-76 °C
Boiling point or initial boiling point and boiling range:	124 °C
Pour point:	not determined
Flash point:	27 °C

Explosive properties

In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits:	3,0 vol. %
Upper explosion limits:	10,4 vol. %
Auto-ignition temperature:	370 °C
Decomposition temperature:	not determined
pH-Value:	8,5
Viscosity / dynamic: (at 40 °C)	not determined
Viscosity / kinematic: (at 20 °C)	not determined
Water solubility: (at 20 °C)	5 g/L

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Solubility in other solvents

not determined

Vapour pressure:
(at 20 °C)

10,7 hPa

Density (at 20 °C):

0,88 g/cm³

Relative vapour density:

not determined

9.2. Other information**Information with regard to physical hazard classes**

Sustaining combustion:

Sustaining combustion

Oxidizing properties
none.**Other safety characteristics**

Solvent separation test:

not determined

Solvent content:

not determined

Solid content:

not determined

Evaporation rate:

not determined

Further Information**SECTION 10: Stability and reactivity****10.1. Reactivity**

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

In case of warming: Ignition hazard.

Protect against: UV-radiation/sunlight. heat. Moisture.

In use may form flammable/explosive vapour-air mixture.

10.5. Incompatible materials

Materials to avoid: Oxidising agent, strong, Strong acid, Strong alkali

10.6. Hazardous decomposition productsCan be released in case of fire: Gas/vapours, harmful. Carbon monoxide Carbon dioxide (CO₂) Sulphur oxides, Nitrogen oxides (NO_x)**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Toxicokinetics, metabolism and distribution**

No information available.

Acute toxicity

Based on available data, the classification criteria are not met.

The product has not been tested.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
123-86-4	n-butyl acetate				

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	oral	LD50 mg/kg	14130	Rat	ECHA Dossier	
	dermal	LD50 mg/kg	>5000	Rat.	ECHA Dossier	
	inhalation (4 h) vapour	LC50 mg/l	> 6,6	Rat	ECHA Dossier	OECD Guideline 403
100-51-6	benzyl alcohol					
	oral	LD50 mg/kg	1580	Mouse	ECHA Dossier	OECD 401
	dermal	LD50 mg/kg	> 2000	Rabbit	ECHA Dossier	WoE
	inhalation vapour	ATE	11 mg/l			
	inhalation dust/mist	ATE	1,5 mg/l			
121617-08-1	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine					
	oral	LD50 mg/kg	>2000	Rat	ECHA Dossier	
9002-92-0	Dodecan-1-ol, ethoxylated (>2.5 moles EO)					
	oral	LD50 mg/kg	>2000	Rat	MSDS external	
	dermal	LD50 mg/kg	>2000	Rabbit	MSDS external	

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

n-butyl acetate (CAS-No.: 123-86-4):

In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist.

Reproductive toxicity:

Exposure time: 21d

Species: Rat.

Method: OECD Guideline 416

Result: NOAEC = 750 ppm

Developmental toxicity/teratogenicity:

Exposure time: 6 weeks

Species: Rat.

Method: OECD Guideline 414

Result: LOAEC = 1500 ppm

Literature information: ECHA Dossier

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine (CAS-No.: 121617-08-1):

In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist.

Literature information: ECHA Dossier

STOT-single exposure

May cause drowsiness or dizziness. (n-butyl acetate)

STOT-repeated exposure

Based on available data, the classification criteria are not met.

n-butyl acetate (CAS-No.: 123-86-4):

Subchronic inhalation toxicity:

Exposure time: 90d

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Species: Rat.
 Method: EPA OTS 798.2450
 Result: NOAEC = 500 ppm
 Literature information: ECHA Dossier

gamma-butyrolactone (CAS-No.: 96-48-0):
 Subchronic oral toxicity
 Exposure time: 13 weeks
 Species: Fischer Rat.
 Method: other guideline
 Result: NOAEL = 225 mg/kg bw/day
 Literature information: ECHA Dossier

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine (CAS-No.: 121617-08-1):
 Subchronic dermal toxicity :
 Exposure time: 90d
 Species: Rat.
 Method: OECD Guideline 411
 Result: NOAEL = 125 mg/kg(bw)
 Literature information: ECHA Dossier

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No information available.

11.2. Information on other hazards**Endocrine disrupting properties**

No data available.

Further information

Solvent:
 Symptoms: Depression of the central nervous system. Liver and kidney damage. drowsiness. vomiting.
 Nausea. Dizziness. unconsciousness. Impaired consciousness. Intoxication. erythema (redness)

SECTION 12: Ecological information**12.1. Toxicity**

The product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
123-86-4	n-butyl acetate					
	Acute fish toxicity	LC50 18 mg/l	96 h	Pimephales promelas	ECHA Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 648 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier	
	Acute crustacea toxicity	EC50 44 mg/l	48 h	Daphnia sp.	ECHA Dossier	OECD Guideline 202
	Crustacea toxicity	NOEC 23,2 mg/l	21 d	Daphnia magna	ECHA Dossier	OECD Guideline 211
100-51-6	benzyl alcohol					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Oryzias latipes	ECHA Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 500 mg/l	72 h	Pseudokirchneriella subcapitata	ECHA Dossier	OECD Guideline 201

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	Acute crustacea toxicity	EC50	230 mg/l	48 h	Daphnia magna	ECHA Dossier	OECD Guideline 202
	Fish toxicity	NOEC	48,897 mg/l	30 d	Fish species	ECHA Dossier	QSAR
	Crustacea toxicity	NOEC	51 mg/l	21 d	Daphnia magna	ECHA Dossier	OECD Guideline 211
	Acute bacteria toxicity	(EC50 mg/l)	1385	3 h	activated sludge, domestic	Study report (1989)	OECD Guideline 209
121617-08-1	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine						
	Acute fish toxicity	LC50	>1-10 mg/l	96 h	Danio rerio	MSDS external	
	Acute crustacea toxicity	EC50	>10-100 mg/l	48 h	Daphnia magna	MSDS external	
9002-92-0	Dodecan-1-ol, ethoxylated (>2.5 moles EO)						
	Acute fish toxicity	LC50	>0,1-1 mg/l	96 h	Danio rerio	MSDS external	
	Acute crustacea toxicity	EC50	>0,1-1 mg/l	48 h	Daphnia magna	MSDS external	
	Acute bacteria toxicity	(EC50 mg/l)	140		Activated sludge	MSDS external	

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
123-86-4	n-butyl acetate			
	OECD 301D / EEC 92/69 annex V, C.4-E	83%	28	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			
100-51-6	benzyl alcohol			
	OECD 301C / ISO 9408 / EEC 92/69 annex V, C.4-F	96%	14	ECHA-Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			
121617-08-1	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	99,5%	28	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			
9002-92-0	Dodecan-1-ol, ethoxylated (>2.5 moles EO)			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	>60%	28	MSDS external
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
123-86-4	n-butyl acetate	200
100-51-6	benzyl alcohol	1,05
121617-08-1	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	1,5

BCF

CAS No	Chemical name	BCF	Species	Source
100-51-6	benzyl alcohol	1,55	QSAR model	http://epa.gov/oppt/

12.4. Mobility in soil

No data available.

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12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

12.7. Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Dispose of waste according to applicable legislation. Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

List of Wastes Code - residues/unused products

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

List of Wastes Code - used product

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**Land transport (ADR/RID)****14.1. UN number or ID number:**

UN 1123

14.2. UN proper shipping name:

BUTYL ACETATES

14.3. Transport hazard class(es):

3

14.4. Packing group:

III

Hazard label:

3



Classification code:

F1

Limited quantity:

5 L

Excepted quantity:

E1

Transport category:

3

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Hazard No: 30
Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 1123
14.2. UN proper shipping name: BUTYL ACETATES
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Classification code: F1
Limited quantity: 5 L
Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number or ID number: UN 1123
14.2. UN proper shipping name: BUTYL ACETATES
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Marine pollutant: NO
Special Provisions: 223
Limited quantity: 5 L
Excepted quantity: E1
EmS: F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1123
14.2. UN proper shipping name: BUTYL ACETATES
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Special Provisions: A3
Limited quantity Passenger: 10 L
Passenger LQ: Y344
Excepted quantity: E1
IATA-packing instructions - Passenger: 355
IATA-max. quantity - Passenger: 60 L
IATA-packing instructions - Cargo: 366
IATA-max. quantity - Cargo: 220 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

See section 8.

14.7. Maritime transport in bulk according to IMO instruments

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not relevant.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

2010/75/EU (VOC): not determined

2004/42/EC (VOC): not determined

Information according to 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

Additional information

Safety Data Sheet according to UK-REACH Regulation

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

UK REACH Appendix XVII, No (mixture): 3, 40

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

Rev. 1,0; Initial release: 06.10.2015

Rev. 2,0; Revision: 22.07.2019

Rev. 3,0; Revision: 08.03.2022

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging of substances and mixtures

DNEL: Derived No Effect Level

d: day(s)

EINECS: European INventory of Existing Commercial chemical Substances

ELINCS: European List of Notified Chemical Substances

ECHA: European Chemicals Agency

EWC: European Waste Catalogue

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

h: hour

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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NOAEL: No observed adverse effect level
 NOAEC: No observed adverse effect concentration
 NLP: No-Longer Polymers
 N/A: not applicable
 OECD: Organisation for Economic Co-operation and Development
 PNEC: predicted no effect concentration
 PBT: Persistent bioaccumulative toxic
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 REACH: Registration, Evaluation, Authorisation of Chemicals
 SVHC: substance of very high concern
 TRGS: Technische Regeln für Gefahrstoffe
 UN: United Nations
 VOC: Volatile Organic Compounds

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
STOT SE 3; H336	Calculation method

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Further Information

Classification according to GHS [UK CLP] - Classification procedure:
 Health hazards: Calculation method.
 Environmental hazards: Calculation method.
 Physical hazards: On basis of test data and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)