



STEARATE DE BUTYLE

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 21-04-2011 Revision date: 03-09-2024 Version: 2.7

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

1.1. Product identifier

Product form : Substance (UVCB)
Name : BUTYL STEARATE
Chemical name : Fatty acids, C16-18, Bu esters
EC-No. : 287-039-9 also valid : 204-666-5 (and) 203-829-8
CAS-No. : 85408-76-0 also valid : 123-95-5 (and) 111-06-8
REACH registration No. : 01-2119956664-26

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

1.2.1. Relevant identified uses

Main use category : Industrial use
Use of the substance/mixture : Washing and cleaning products
adhesives
sealant
Lubricant
textile
Cosmetics

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

INTERCHIMIE
ZAC du Parc
13 rue Louis Blériot FR-
77290 COMPANS
T T: +33 (0)1 64 77 76 27
qualite@interchimie.fr -
www.interchimie.fr

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096	+972 4 854 1900	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital Msida MSD 2090 Msida	112 +356 2545 6508	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX	0344 892 0111	Only for healthcare professionals

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Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA	0344 892 0111	Only for healthcare professionals
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : UVCB

Chemical name	Product identifier	Conc. (% w/w)	
Fatty acids, C16-18, Bu esters	CAS-No.: 85408-76-0 also valid : 123-95-5 (and) 111-06-8 EC-No.: 287-039-9 also valid : 204-666-5 (and) 203-829-8 REACH-no: 01-2119956664-26	100	Not classified

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Remove immediately contaminated clothing.

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First-aid measures after inhalation	: Fresh air, rest. Never attempt to induce vomiting : risk of inhalation. Call a doctor.
First-aid measures after skin contact	: Wash skin with plenty of water and soap. If necessary seek medical advice.
First-aid measures after eye contact	: Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Obtain emergency medical attention.
First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth. May result in aspiration into the lungs, causing chemical pneumonia. Immediately consult a doctor/medical service.

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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: carbon dioxide (CO ₂), dry chemical powder, foam.
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: In case of fire it can release carbon oxides (CO and CO ₂).
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5.3. Advice for firefighters

Protection during firefighting	: Use a self-contained breathing apparatus and also a protective suit.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: No naked flames, sparks, and do not smoke.
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6.1.1. For non-emergency personnel

Protective equipment	: Wear suitable protective clothing.
Emergency procedures	: Mark out the contaminated area with signs and prevent access to unauthorized personnel. Spill area may be slippery.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Use appropriate container to avoid environmental contamination.

6.3. Methods and material for containment and cleaning up

For containment	: Prevent spillage from spreading by using sand or earth. Dike and contain spill.
Methods for cleaning up	: Vacuum with an equipment that avoids ignition risk. Provide the tank with earthing.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Smoking, eating and drinking should be prohibited in areas of storage and use. Handle in accordance with good industrial hygiene and safety practice.
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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store tightly closed in a dry and cool place. Exclude sources of heat, sparks and open flame.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

BUTYL STEARATE (85408-76-0 also valid : 123-95-5 (and) 111-06-8)	
PNEC (Sediment)	
PNEC sediment (freshwater)	2,978 mg/kg dwt
PNEC sediment (marine water)	2,978 mg/kg dwt

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eyeprotection:

In case of risky circumstances: safety glasses or face shield

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Wear suitable gloves

8.2.2.3. Respiratory protection

Respiratory protection:

Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: colourless.
Appearance	: Pasty liquid. light yellow.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: 22 – 32 °C (1013 hPa)
Freezing point	: Not available
Boiling point	: > 300 °C (101.3 kPa)
Flammability	: Non flammable
Explosive properties	: Not applicable.
Oxidising properties	: Not applicable.
Explosive limits	: Not applicable
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: 199 °C (ca. 1013 hPa)
Auto-ignition temperature	: Not flammable
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: 6,5 – 7,5 mPa·s (30 °C)
Solubility	: Water: < 0,05 (20°C; pH= 5,3 - 6,7)
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: 8,72 – 9,7
Vapour pressure	: < 0,001 Pa (20°C)
Vapour pressure at 50°C	: Not available
Density	: 0,847 – 0,853 g/cm ³ (30 °C)
Relative density	: Not available
Relative vapour density at 20°C	: Not applicable
Particle size	: Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with : oxidising compounds and reducing agents.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No naked flames, sparks, and do not smoke.

10.5. Incompatible materials

No additional information available

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10.6. Hazardous decomposition products

On burning: release of carbon monoxide - carbon dioxide.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified :
Acute toxicity (dermal) : Not classified :
Acute toxicity (inhalation) : Not classified

BUTYL STEARATE (85408-76-0 also valid : 123-95-5 (and) 111-06-8)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402 method)
LC50 Inhalation - Rat	> 5,3 mg/l/4h

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation : Not classified
Additional information : Non-sensitizing (Guinea pig)
Germ cell mutagenicity : Not classified
Additional information : Negative
Carcinogenicity : Not classified
Additional information : Based on available data, the classification criteria are not met
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : Not classified (Lack of data)
STOT-repeated exposure : Not classified (Lack of data)

BUTYL STEARATE (85408-76-0 also valid : 123-95-5 (and) 111-06-8)

NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight/day
NOAEL (dermal, rat/rabbit, 90 days)	1000 mg/kg bodyweight/day

Aspiration hazard : Not classified (Lack of data)

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The substance/mixture has no endocrine disrupting properties.

11.2.2. Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

BUTYL STEARATE (85408-76-0 also valid : 123-95-5 (and) 111-06-8)

LC50 - Fish [1]	> 10000 mg/l (Danio rerio)
LC50 - Other aquatic organisms [1]	> 10000 mg/l Daphnia Magna (96h) OECD Guideline 203

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BUTYL STEARATE (85408-76-0 also valid : 123-95-5 (and) 111-06-8)	
LC50 - Other aquatic organisms [2]	2978 mg/kg <i>Corophium volutator</i> saltwater sediment toxicity: short-term (laboratory study) static Sediment: natural sediment according to OSPARCOM 1995, Paris Commission Guidelines for conducting sediment toxicity tests with the amphipod <i>Corophium volutator</i>
EC50 - Crustacea [1]	> 100 mg/l <i>Daphnia magna</i> freshwater - static according to EU-Guideline 92/69/EWG (1992)
EC50 - Other aquatic organisms [2]	> 100 mg/l (activated sludge (OECD 209))
NOEC (chronic)	≥ 100 mg/l (<i>Daphnia magna</i> Duration: 21 d)

12.2. Persistence and degradability

BUTYL STEARATE (85408-76-0 also valid : 123-95-5 (and) 111-06-8)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

BUTYL STEARATE (85408-76-0 also valid : 123-95-5 (and) 111-06-8)	
Partition coefficient n-octanol/water (Log Pow)	8,72 – 9,7
Bioaccumulative potential	Not potentially bioaccumulable.

12.4. Mobility in soil

BUTYL STEARATE (85408-76-0 also valid : 123-95-5 (and) 111-06-8)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4,94 – 5,46

12.5. Results of PBT and vPvB assessment

BUTYL STEARATE (85408-76-0 also valid : 123-95-5 (and) 111-06-8)	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Other adverse effects : The product does not contain substances listed in Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Ecological waste information : Collect all waste in suitable and labelled containers and dispose according to local legislation.

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SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Not listed on REACH Annex XVII

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

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PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)- Directive 79/831/EEC, sixth Amendment of Directive 67/548/EEC (dangerous substances)

Listed on the Japanese ENCS (Existing New Chemical Substances) inventory

Germany

Water hazard class (WGK)

Hazardous Incident Ordinance (12. BImSchV)

: WGK awg, Hazardous to water in general.

: Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

ABM category

SZW-lijst van kankerverwekkende stoffen

SZW-lijst van mutagene stoffen

SZW-lijst van reprotoxische stoffen – Borstvoeding

SZW-lijst van reprotoxische stoffen –

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling

: A(4) - low hazard for aquatic organisms, may have longterm hazardous effects in aquatic environment

: The substance is not listed :

The substance is not listed :

The substance is not listed :

The substance is not listed

: The substance is not listed

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Revision date	Modified	

Based on supplier SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.