



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Jokisch Fosia Clean Opti

Print date: 24.01.2017

Product code: 285

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

#### 1.1. Product identifier

Jokisch Fosia Clean Opti

#### Further trade names

Old product name: OptiClean Ultimate

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

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

Company name: Jokisch GmbH  
Street: Industriestraße 5  
Place: DE-33813 Oerlinghausen  
Telephone: +49(0)5202/9734-0  
e-mail: info@jokisch-fluids.de  
Contact person: Herr Sengenhoff  
e-mail: MSDS@jokisch-fluids.de  
Internet: www.jokisch-fluids.de

Telefax: +49(0)5202/9734-49

#### 1.4. Emergency telephone number:

Giftnotruf Berlin: +49 (0) 30 / 30686 790

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

#### 2.2. Label elements

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
64-17-5	ethanol, ethyl alcohol			10-<25 %
	200-578-6	603-002-00-5		
	Flam. Liq. 2; H225			
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether			1-<5 %
	203-905-0	603-014-00-0		
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Eye Irrit. 2, Skin Irrit. 2; H332 H312 H302 H319 H315			

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In all cases of doubt, or when symptoms persist, seek medical advice.

##### After inhalation

In case of irritation of the respiratory tract seek medical advice. Remove casualty to fresh air and keep warm and at rest.



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**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Rub in high-fat content cream.

**After contact with eyes**

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink large quantities of water. Immediately get medical attention.

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

none/none

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

none/none

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

Water. Foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Sand. Nitrogen.

**5.2. Special hazards arising from the substance or mixture**

Nitrogen oxides (NO<sub>x</sub>). Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.

**5.3. Advice for firefighters**

Apply foam in large quantities, as it is partly destroyed by product. Wear a self-contained breathing apparatus and chemical resistant suit.

**Additional information**

Move undamaged containers from immediate hazard area if it can be done safely. Extinguishing materials should be selected according to the surrounding area.

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

High slip hazard because of leaking or spilled product.

**6.2. Environmental precautions**

Do not empty into drains or the aquatic environment.  
Do not allow to enter into soil/subsoil.

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

Collect spillage. Wipe up with absorbent material (eg. cloth, fleece). Wash with generous amount of water.  
Treat the assimilated material according to the section on waste disposal.

**6.4. Reference to other sections**

Information for safe handling: Refer to chapter 7 No further action is necessary.  
refer to chapter 8  
refer to chapter 13

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

Keep container tightly closed. Keep/Store only in original container.  
Protect against: frost.

**7.2. Conditions for safe storage, including any incompatibilities****SECTION 8: Exposure controls/personal protection****8.1. Control parameters**



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### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

### Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
111-76-2	2-Butoxyethanol	butoxyacetic acid	240 mmol/mol	urine	Post shift

### 8.2. Exposure controls

#### Protective and hygiene measures

- Do not put any product-impregnated cleaning rags into your trouser pockets.
- When using do not eat, drink or smoke.
- Avoid contact with skin, eye and clothing. Take off immediately all contaminated clothing.

#### Eye/face protection

- Use glasses or face shield if there is a risk of splashing.

#### Hand protection

- Gloves of appropriate material (i.e. nitrilic rubber, specification: penetration time: level 6, >480 min., thickness 0,9-1 mm; CE-certified acc. EN 374 cat III)

#### Respiratory protection

- Respiratory protection required in case of: exceeding critical value
- Suitable respiratory protective equipment: Combination filter device (EN 14387) A

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	clear
Odour:	characteristic

pH-Value: 10,8

#### Changes in the physical state

Initial boiling point and boiling range:	87 °C
Flash point:	35 °C
Lower explosion limits:	irrelevant
Upper explosion limits:	irrelevant
Vapour pressure: (at 50 °C)	1000 hPa

#### Test method

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.3. Possibility of hazardous reactions



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Do not spray on an open flame or other ignition source.

### 10.4. Conditions to avoid

No information available.

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

Nitrogen oxides (NOx). Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicokinetics, metabolism and distribution

No information available.

#### Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose		Species	Source
64-17-5	ethanol, ethyl alcohol				
	oral	LD50	6200 mg/kg	Rat	IUCLID
	inhalative (4 h) vapour	LC50	95,6 mg/l	Rat	RTECS
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether				
	oral	LD50	470 mg/kg	Rat	
	dermal	ATE	1100 mg/kg		
	inhalative vapour	ATE	11 mg/l		
	inhalative aerosol	ATE	1,5 mg/l		

#### Irritation and corrosivity

Frequently or prolonged contact with skin may cause dermal irritation. Has de-greasing effect on the skin.

#### Further information

Preparation not tested. The statement is derived from the properties of the components.

## SECTION 12: Ecological information

### 12.1. Toxicity

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
64-17-5	ethanol, ethyl alcohol				
	Acute crustacea toxicity	EC50	9268 - 14221 mg/l	48 h Daphnia magna	IUCLID
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether				
	Acute fish toxicity	LC50	1490 mg/l	96 h Lepomis macrochirus	

### 12.2. Persistence and degradability

The surfactants contained in the product are biodegradable according to the requirements of the Detergent Directive 648/2004/EC.

### 12.3. Bioaccumulative potential

No indication of bio-accumulation potential.



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### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-17-5	ethanol, ethyl alcohol	-0,31
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether	0,81 (25°C)

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

### 12.6. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Waste disposal number of waste from residues/unused products

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances  
Classified as hazardous waste.

#### Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

#### Contaminated packaging

Handle contaminated packaging in the same way as the substance itself. Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses.

## SECTION 14: Transport information

### Land transport (ADR/RID)

#### Other applicable information (land transport)

Not a hazardous material with respect to these transportation regulations.

### Inland waterways transport (ADN)

#### Other applicable information (inland waterways transport)

Not a hazardous material with respect to these transportation regulations.

### Marine transport (IMDG)

#### Other applicable information (marine transport)

Not a hazardous material with respect to these transportation regulations.

### Air transport (ICAO)

#### Other applicable information (air transport)

Not a hazardous material with respect to these transportation regulations.

### 14.6. Special precautions for user

none/none

## SECTION 15: Regulatory information

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



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#### EU regulatory information

2004/42/EC (VOC): 18,9%

#### National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): 1 - slightly water contaminating

#### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

### SECTION 16: Other information

#### Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

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