Safety Data Sheet

according to Regulation (EC) No 1907/2006

Jokisch Fosia Clean Uni

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

1.1. Product identifier

Jokisch Fosia Clean Uni

Further trade names

Old product name: Jokisch Bio Universalreiniger

Abbreviation: 127

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

Use of the substance/mixture

Washing and cleaning products (including solvent based products)

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	Telefax: +49(0)5202/9734-49
e-mail:	info@jokisch-fluids.de	
Contact person:	Herr Sengenhoff	
e-mail:	MSDS@jokisch-fluids.de	
Internet:	www.jokisch-fluids.de	

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

Hazard categories:
Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2A
Hazard Statements:
Causes skin irritation.
Causes serious eye irritation.

2.2. Label elements

Regulation (EC) No. 1272/2008

Signal word: Warning

Pictograms:

Hazard statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.

Precautionary statements

P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.

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]			
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			
28085-69-0	potassium cumenesulphonate			1-<5 %
	248-827-8		01-2119489427-24	
	Eye Irrit. 2; H319			
28348-53-0	Nartrium-1-Methylethyl-benzolsulfonat			1-<5 %
	248-983-7		01-2119489411-37	
	Eye Irrit. 2; H319			
6834-92-0	disodium metasilicate			1-<2 %
	229-912-9	014-010-00-8		
	Skin Corr. 1B, STOT SE 3; H314 H335			
1310-58-3	caustic potash, potassium hydroxide			1-<2 %
	215-181-3	019-002-00-8		
	Acute Tox. 4, Skin Corr. 1A; H302 H314			

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

Provide fresh air. Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing.
Rub greasy ointment into the skin.

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 plenty of water. Call a physician immediately.

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

Causes skin irritation. Causes serious eye irritation.

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

Co-ordinate fire-fighting measures to the fire surroundings.
Suitable extinguishing media: Water. Foam. Extinguishing powder. Carbon dioxide (CO2). Sand. Nitrogen.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO2). Sulfur oxides. Carbon monoxide

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

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. Suitable material for taking up: Sand, Universal binding agent. Treat the recovered material as prescribed in the section on waste disposal . Clean contaminated articles and floor according to the environmental legislation.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

When using do not eat, drink or smoke.
Keep container tightly closed.
Keep/Store only in original container. Protect against: frost.

Advice on protection against fire and explosion

Prevent access by unauthorised personnel.

Further information on handling

High slip hazard because of leaking or spilled product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity.
Recommended storage temperature: 5-40 °C
Maximum period of storage (time): 1 Jahr

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.
Do not store with strong oxidizing agents.

Further information on storage conditions

te regulations relating to storage premises apply to workshops where the product is hanled.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	WEL
1310-58-3	Potassium hydroxide	-	-		TWA (8 h)	WEL
		-	2		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

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.
Use personal protection equipment as per Directive 89/686/EEC.
Do not put any product-impregnated cleaning rags into your trouser pockets. Avoid contact with skin, eyes and clothes.

Eye/face protection

Use glasses or face shield if there is a risk of splashing.
Suitable eye protection: EN 166

Hand protection

Protect skin by using skin protective cream.
Wear protective gloves if advisable under safety aspects.
Wash hands before breaks and after work.
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)

Skin protection

Chemical resistant safety shoes.
Take off immediately all contaminated clothing.
Thorough skin-cleansing after handling the product.
Set out skin protection guidelines.

Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values
Respiratory protection: DIN EN 141 Typ A

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	red
Odour:	characteristic

		Test method
pH-Value (at 20 °C):	12	DIN 51369

Changes in the physical state

Initial boiling point and boiling range:	98 °C
Flash point:	not relevant

Density (at 20 °C): 1,04 g/cm³

Viscosity / kinematic: '
(at ' °C)

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

The following must be prevented: Aluminium.

10.6. Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

after ingestion: LD50: 500-3000 mg/kg Rat
After skin contact: LD50: > 400-500mg/kg Rat

ATEmix calculated

ATE (oral) 1615,5 mg/kg

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
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			
28085-69-0	potassium cumenesulphonate				
	oral	LD50 >100 mg/kg	Cyprinus carpio		
28348-53-0	Nartrium-1-Methylethyl-benzolsulfonat				
	oral	LD50 >2000 mg/kg	RAT		
	dermal	LD50 >2000 mg/kg	RAT		
	inhalative (4 h) aerosol	LC50 >5 mg/l	RAT		
1310-58-3	caustic potash, potassium hydroxide				
	oral	LD50 273 mg/kg	Rat	RTECS	

Additional information on tests

No risks worthy of mention. Practical experience.
The statement is derived from the properties of the single components.
The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

Practical experience

Other observations

Has de-greasing effect on the skin.

SECTION 12: Ecological information

12.1. Toxicity

According to the present state of knowledge negative ecological effects are not expected.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether						
	Acute fish toxicity	LC50 mg/l	1490	96 h	Lepomis macrochirus		
28085-69-0	potassium cumenesulphonate						
	Acute crustacea toxicity	EC50 mg/l	>100	48 h	Daphnia Magna		
1310-58-3	caustic potash, potassium hydroxide						
	Acute fish toxicity	LC50	80 mg/l	96 h	Gambusia affinis	IUCLID	

12.2. Persistence and degradability

Product is biodegradable.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
28085-69-0	potassium cumenesulphonate			
	OECD 301B/ISO 9439 /EEC 92/69/V,C.4-C	>60%	28	
	Easily biodegradable (concerning to the criteria of the OECD)			
28348-53-0	Nartrium-1-Methylethyl-benzolsulfonat			
	OECD 301B/ISO 9439 / EEC 92/69/V, C.4-C	>60%	28	
	Not easily bio-degradable (according to OECD-criteria).			

12.3. Bioaccumulative potential

Product is biodegradable.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether	0,81 (25°C)

12.4. Mobility in soil

in delivery condition: liquid

Further information

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. Completely emptied packings can be re-cycled. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors Classified as hazardous waste.

Waste disposal number of used product

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors 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

Empty container completely. Keep labels on container. Recommended cleaning angent: water

SECTION 14: Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

Not restricted

Inland waterways transport (ADN)

Other applicable information (inland waterways transport)

Not restricted

Marine transport (IMDG)

Other applicable information (marine transport)

Not restricted

Air transport (ICAO-TI/IATA-DGR)

Other applicable information (air transport)

Not restricted

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

Regulation (EC) No. 648/2004 (Detergents regulation)
nonionic surfactants : <5%
anionic surfactants : <5%

National regulatory information

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)

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

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