

Safety Data Sheet

according to Regulation (EC) No 1907/2006

W2 OP CBF

Print date: 16.01.2012

Product code: 00016

Page 1 of 6

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

W2 OP CBF

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

Watersoluble Metalworkingfluid

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	

Emergency telephone: Giftnotruf Berlin: +49 (0) 30 / 30686 790**SECTION 2: Hazards identification****Classification of the substance or mixture**

This mixture is not classified as dangerous according to Directive 1999/45/EC.

Label elements**SECTION 3: Composition/information on ingredients****Mixtures**

Safety Data Sheet

according to Regulation (EC) No 1907/2006

W2 OP CBF

Print date: 16.01.2012

Product code: 00016

Page 2 of 6

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
	Fettalkoholpolyglykoether	5 - 10 %
68920-66-1	Xi R38	
201-162-7	Alkanolamin	1 - 5 %
	C R34	
203-961-6	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	1 - 5 %
112-34-5	Xi R36	
603-096-00-8	Eye Irrit. 2; H319	
268-886-3	Fettsäureamid	1 - 5 %
	Xi R36	
221-975-0	3,5,5-Trimethylheransäure	1 - 5 %
3302-10-1	Xi R36	

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures
Description of first aid measures
General information

Seek medical attention if problems persist. No administration in cases of unconsciousness or cramps.

After inhalation

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

After contact with skin

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

After ingestion

Do not induce vomiting. In case of swallowing, keep the patient at rest and contact a doctor.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5: Firefighting measures
Extinguishing media
Suitable extinguishing media

 Water fog. Foam. Dry extinguishing powder. Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons

High power water jet.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

W2 OP CBF

Print date: 16.01.2012

Product code: 00016

Page 3 of 6

Special hazards arising from the substance or mixture

Can be released in case of fire:
Nitrogen oxides (NO_x).
Carbon monoxide.
Carbon dioxide (CO₂).

Advice for firefighters

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

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

Environmental precautions

Contain and control the leaks or spills with noncombustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal
Do not empty into drains or the aquatic environment.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Large quantities remove mechanically
Clean contaminated objects and areas thoroughly observing environmental regulations. Clean with detergents. Avoid solvent cleaners.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Use only in well-ventilated areas.
Direct contact with skins avoid.
When using do not eat, drink or smoke.

Advice on protection against fire and explosion

Prevent access by unauthorised personnel.

Further information on handling

When using do not eat, drink or smoke.
High slip hazard because of leaking or spilled product.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep the packing dry and well sealed to prevent contamination and absorption of dampness.
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 handled.
Maximum period of storage (time):

SECTION 8: Exposure controls/personal protection

Control parameters

Safety Data Sheet

according to Regulation (EC) No 1907/2006

W2 OP CBF

Print date: 16.01.2012

Product code: 00016

Page 4 of 6

Exposure limits (EH40)

CAS No	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	15	101.2		TWA (8 h)	WEL
		10	67.5		STEL (15 min)	WEL

Exposure controls

Protective and hygiene measures

Use personal protection equipment as per Directive 89/686/EEC.

Respiratory protection

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.

Hand protection

Protect skin by using skin protective cream.

Wear protective gloves if advisable under safety aspects.

Wash hands before breaks and at the end of 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)

Eye protection

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

Skin protection

Chemical resistant safety shoes.

Take off immediately all contaminated clothing.

Thorough skin-cleansing after handling the product.

Set out skin protection guidelines.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	liquid
Colour:	light brown
Odour:	characteristic

Test method

pH-Value (at 20 °C): in aqueous solution 5% ;9,2 DIN 51369

Changes in the physical state

Flash point:	irrelevant
Ignition temperature:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	0,97 g/cm ³ EN ISO 12185
Viscosity / kinematic: (at 20 °C)	132 mm ² /s ASTM D 7042

SECTION 10: Stability and reactivity

Conditions to avoid

Protect against: heat.

Incompatible materials

The following must be prevented: Oxidizing agents, strong. acid.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

W2 OP CBF

Print date: 16.01.2012

Product code: 00016

Page 5 of 6

Hazardous decomposition products

Hazardous decomposition products: none/none

SECTION 11: Toxicological information
Information on toxicological effects
Acute toxicity

after ingestion: LD50: > 2000mg/kg Rat.

After skin contact: LD50: > 2000mg/kg Rat.

following inhalation: LC50: > 5mg/1/4hRat.

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
68920-66-1	Fettalkoholpolyglykoether				
	oral	LD50	2000 mg/kg	Ratte	
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether				
	oral	LD50	5660 mg/kg	Ratte	
	dermal	LD50	4120 mg/kg	Kaninchen	
3302-10-1	3,5,5-Trimethylheransäure				
	oral	LD50	1160 mg/kg	Ratte	

Additional information on tests

No risks worthy of mention. Practical experience.

The statement is derived from the properties of the components.

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information
Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	h	Species	Source
68920-66-1	Fettalkoholpolyglykoether					
	Acute fish toxicity	LC50	10-100 mg/l	96	Zebrabärling	
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether					
	Acute algae toxicity	ErC50	> 100 mg/l		Scenedesmus sp.	
	Acute crustacea toxicity	EC50	> 100 mg/l	48	Daphnia magna	
3302-10-1	3,5,5-Trimethylheransäure					
	Acute fish toxicity	LC50	160 mg/l	96	salmo gairdneri	
	Acute crustacea toxicity	EC50	470 mg/l	48	Belebtschwamm	

Persistence and degradability

Additional information: none/none

Bioaccumulative potential

Can be concentrated in organisms.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	0,56 (25°C)

Safety Data Sheet

according to Regulation (EC) No 1907/2006

W2 OP CBF

Print date: 16.01.2012

Product code: 00016

Page 6 of 6

Mobility in soil

in delivery condition: liquid

SECTION 13: Disposal considerations**Waste treatment methods****Advice on disposal**

Completely emptied packings can be re-cycled. Waste disposal according to official state regulations.

Waste disposal number of waste from residues/unused products

120109 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; machining emulsions and solutions free of halogens
Classified as hazardous waste.

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

Not a hazardous material with respect to these transportation regulations.

Marine transport**Other applicable information (marine transport)**

Not a hazardous material with respect to these transportation regulations.

Air transport**Other applicable information (air transport)**

Not a hazardous material with respect to these transportation regulations.

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

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

National regulatory information

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

SECTION 16: Other information**Full text of R-phrases referred to under sections 2 and 3**

34 Causes burns.
36 Irritating to eyes.
38 Irritating to skin.

Full text of H-Statements referred to under sections 2 and 3

H319 Causes serious eye irritation.

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