

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**JFA-CLEAN**

Revision date: 17.01.2019

Product code: 8

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

JFA-CLEAN

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

Cleaning and caring product for measurement and monitoring systems and machine elements of natural hard stone.

**Uses advised against**

No information available.

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

Company name: Johann Fischer Aschaffenburg Präzisionswerk  
GmbH & Co. KG

Street: Ruhlandstraße 72-78

Place: D-63741 Aschaffenburg

Post-office box: 150018  
D-63725 Aschaffenburg

Telephone: 0049 (0)6021-86050

Contact person: Andreas Frank

e-mail: andreas.frank@jfa.de

**1.4. Emergency telephone number:**

Poison Control Center (Mayence, GER): +49 (0)6131 - 19240 (24h - de, en)

Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department or the NHS enquiry service.

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Special labelling of certain mixtures**

EUH210 Safety data sheet available on request.

**Additional advice on labelling**

Labelling according to Regulation (EC) No. 1272/2008 [CLP]: Identification is not obligatory. Please observe the information on the safety data sheet at all times.

Labelling for contents according to regulation (EC) No 648/2004, annex 7:  
<5% anionic surfactants, nonionic surfactants, EDTA  
perfumes (d-limonene, citral)

**2.3. Other hazards**

High slip hazard because of leaking or spilled product.

The components in this mixture do not meet the criteria for classification as PBT or vPvB.

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

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
85536-14-7	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs			< 1 %
	287-494-3			
	Acute Tox. 4, Skin Corr. 1B; H302 H314			
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve			< 1 %
	203-905-0	603-014-00-0		
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H332 H312 H302 H315 H319			
68439-51-0	Alcohols, C12-14, ethoxylated propoxylated			< 1 %
	931-986-9			
	Aquatic Chronic 3; H412			
497-19-8	sodium carbonate			< 1 %
	207-838-8	011-005-00-2		
	Eye Irrit. 2; H319			

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

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

First aider: Pay attention to self-protection!

**After inhalation**

Provide fresh air. Move victim out of danger zone. In case of respiratory tract irritation, consult a physician.

**After contact with skin**After contact with skin, wash immediately with: Water. Remove contaminated, saturated clothing immediately.  
In case of skin irritation, seek medical treatment.**After contact with eyes**

Remove contact lenses. In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

**After ingestion**

If swallowed, immediately drink: Water. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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

May be irritating to skin and eyes.

**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**

The product itself does not burn. Extinguishing materials should be selected according to the surroundings.

**Unsuitable extinguishing media**

High power water jet.

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

Upon exposure to fire, harmful gases may be emitted.

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**5.3. Advice for firefighters**

If necessary use self-contained breathing apparatus and protective clothing.

**Additional information**

Contaminated fire-fighting water must be collected separately.

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

Avoid contact with eyes. Avoid contact with skin.

High slip hazard because of leaking or spilled product.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Contaminated fire-fighting water must be collected separately.

**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). Clean polluted areas with: Water.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal precautions: refer to section 8.

Disposal: see section 13

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

Provide adequate ventilation.

**Advice on protection against fire and explosion**

No special precautionary measures are necessary.

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

Keep away from food, drink and animal feedingstuffs.

Store only in original container.

**Further information on storage conditions**

Conditions to avoid: frost.

**7.3. Specific end use(s)**

Cleaning and caring product for measurement and monitoring systems and machine elements of natural hard stone.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****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

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**Biological Monitoring Guidance Values (EH40)**

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

**8.2. Exposure controls****Protective and hygiene measures**

Do not eat, drink, smoke or sneeze at the workplace. Avoid contact with skin, eyes and clothes. Wash hands before breaks and after work.

**Eye/face protection**

If eye contact is likely, safety glasses with side shields are recommended.

**Hand protection**

Hand protection during intensive and prolonged skin contact. Suitable gloves are made of the following materials (breakthrough time  $\geq 8$  hours):

NR (Natural rubber (Caoutchouc), Natural latex). (0,5mm)

CR (polychloroprenes, Chloroprene rubber). (0,5mm)

NBR (Nitrile rubber). (0,35mm)

Butyl rubber. (0,5mm)

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Protect skin by using skin protective cream.

**Skin protection**

normal working clothes

**Respiratory protection**

In exceptional situations (eg accidental release of substances, occupational exposure limit is exceeded) the wearing of respiratory protection is required.

Suitable respiratory protection apparatus: gas filtering equipment (EN 141). (Colour: brown)

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

Physical state: liquid  
Colour: blue  
Odour: like: lemon.  
pH-Value: approx. 11

**Changes in the physical state**

Melting point: No data available  
Initial boiling point and boiling range: ca. 110 °C  
Flash point: No data available

**Flammability**

Solid: No data available  
Gas: not applicable

**Explosive properties**

No data available

Lower explosion limits: No data available

Upper explosion limits: No data available

**Auto-ignition temperature**

Gas: No data available

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Decomposition temperature:

No data available

**Oxidizing properties**

Not oxidising.

Vapour pressure:

No data available

Density (at 20 °C):

ca. 1,05 g/cm<sup>3</sup>

Water solubility:

No data available

**Solubility in other solvents**

No data available

Partition coefficient:

No data available

Viscosity / dynamic:

No data available

Vapour density:

No data available

Evaporation rate:

No data available

**9.2. Other information**

No data available

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

No dangerous reactivity under regular conditions.

**10.2. Chemical stability**

The product is stable under normal environmental conditions (room temperature).

**10.3. Possibility of hazardous reactions**

No dangerous reactions to be expected if used properly.

**10.4. Conditions to avoid**

Conditions to avoid: frost.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

When used properly no hazardous products of decomposition are expected.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

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

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
85536-14-7	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs				
	oral	ATE 500 mg/kg			
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve				
	oral	LD50 470 mg/kg	Rat		
	dermal	ATE 1100 mg/kg			
	inhalation vapour	ATE 11 mg/l			
	inhalation aerosol	ATE 1,5 mg/l			
497-19-8	sodium carbonate				
	oral	LD50 4090 mg/kg	Rat	IUCLID	

**Irritation and corrosivity**

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

**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.

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

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

Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve					
	Acute fish toxicity	LC50 1490 mg/l	96 h	Lepomis macrochirus		
497-19-8	sodium carbonate					
	Acute fish toxicity	LC50 300 mg/l	96 h	Lepomis macrochirus		
	Acute crustacea toxicity	EC50 265 mg/l	48 h	Daphnia magna	IUCLID	

**12.2. Persistence and degradability**

The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**12.3. Bioaccumulative potential**

No information available.

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**Partition coefficient n-octanol/water**

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

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

The components in this formulation do 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****Advice on disposal**

Dispose of waste according to applicable legislation.

Smaller quantities can be disposed of into domestic waste. Dilute with plenty of water.

According to the European Waste Catalogue (EWC), allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

**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**

Completely emptied packages can be recycled.

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

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

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ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

No special precautions known.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

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

2004/42/EC (VOC): &lt;3%

**Additional information**

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable

Regulation (EC) No. 648/2004 (Detergents regulation): The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Regulation (EC) No 850/2004 on persistent organic pollutants: not applicable

Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: This mix contains no chemicals that are subject to the export notification procedures (annex 1).

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH: none

**National regulatory information**

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

**15.2. Chemical safety assessment**

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

**SECTION 16: Other information****Changes**

Version 1,00 - first creation - 12.07.2008

Version 1,01 - Adaption and completion of the SDS according to regulation 453/2010 - 31.05.2011

Version 1,02 - Adaption and completion (1.2, 1.3, 9.1) - 30.06.2011

Version 1,03 - General update - 22.10.2013

Version 1,04 - General update - 06.10.2015

Version 1,05 - General update - 01.08.2016

Version 1,06 - General update - 01.09.2016

Version 1,07 - General update - 16.12.2016

Version 1,08 - General update - 17.01.2019

**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)

BlmSchV (Fed.Imm.Prot.Act): Directive on the Implementation of the Federal Immission Protection Act

CAS: Chemical Abstracts Service

EC: Effective Concentration

EG: European Community (Europäische Gemeinschaft)

EN: European Norm

IATA: International Air Transport Association

IBC Code: International Code for the Construction and Equipment of ships carrying Dangerous Chemicals in Bulk

ICAO: International Civil Aviation Organization



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IMDG: International Maritime Code for Dangerous Goods  
CLP: Classification, Labeling, Packaging  
IUCLID: International Uniform Chemical Information Database  
LC: Lethal concentration  
LD: Lethal dose  
log Kow: Octanol/water partition coefficient  
MARPOL: Maritime Pollution Convention = Convention for the Prevention of Maritime Pollution from Ships  
OECD: Organisation for Economic Co-operation and Development  
PBT: Persistent, bio-cumulative, toxic  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail  
TRGS: Technische Regeln für Gefahrstoffe  
VOC: Volatile Organic Compounds  
vPvB: very persistent and very bio-cumulative  
WGK: German Water Hazard Class  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
DNEL: Derived No Effect Level  
PNEC: Predicted No Effect Concentration  
TLV: Threshold Limiting Value  
STOT: Specific Target Organ Toxicity  
AwSV: Ordinance on Installations for Handling Substances Hazardous to Water

**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.
H412	Harmful to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.

**Further Information**

The information given in this safety data sheet is to describe the product's safety regulations. They are not for guaranteeing certain characteristics and are based on today's knowledge. The safety data sheet was generated upon information of pre-suppliers by:

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