

# Saniswiss biocleaner C5 concentrate

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Review date: 4/5/2018 Edition: 1.00

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Saniswiss biocleaner C5 concentrate  
Product code : 132099  
Type of product : Detergent  
Product group : Mixture

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Description/Application : Concentrated glass cleaner to dilute in water

##### 1.2.2. Uses advised against

No additional information available

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

Saniswiss SA  
Chemin des tulpiers, 19  
1208 Geneva - Switzerland  
T +41 22 718 75 75 - F +41 22 718 75 76  
[info@saniswiss.ch](mailto:info@saniswiss.ch)

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service Medical Toxicology Unit		0870 243 2241	

### SECTION 2: Hazards identification

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

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

Flammable liquids, Category 3 H226  
Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319

Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

GHS07

CLP Signal word : Warning  
Hazard statements (CLP) : H226 - Flammable liquid and vapour.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
Precautionary statements (CLP) : P210 - Keep away from heat, sparks, open flames, hot surfaces. No smoking.  
P280 - Wear eye protection, protective gloves.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### 2.3. Other hazards

No additional information available

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1-butoxypropan-2-ol	(CAS-no) 5131-66-8 (Einecs nr) 225-878-4 (EG annex nr) 603-052-00-8 (REACH-no) 01-2119475527-28	50 - 80	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319
2-butoxyethanol	(CAS-no) 111-76-2 (Einecs nr) 203-905-0 (EG annex nr) 603-014-00-0 (REACH-no) 01-2119475108-36	< 10	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Irrit. 2, H315
Alcohols, , ethoxylated, sulfates, sodium salts	(CAS-no) 68891-38-3 (REACH-no) 01-2119488639-16	< 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
D-Xylopyranose, oligomeric,3 -methylbutyl glycosides	(CAS-no) 1235390-87-40 (REACH-no) 01-0000018776-57	< 2.5	Eye Irrit. 2, H319

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
Alcohols, , ethoxylated, sulfates, sodium salts	(CAS-no) 68891-38-3 (REACH-no) 01-2119488639-16	( 5 =<C < 10) Eye Irrit. 2, H319 ( 10 =<C < 100) Eye Dam. 1, H318

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- General advice : In case of doubt or persistent symptoms, consult always a physician.  
Inhalation : In case of malaise, seek medical advice.  
Skin contact : Take off immediately all contaminated clothing. Rinse with water.  
Eye contact : Wash with plenty of water and if necessary take medical advice.  
Ingestion : If swallowed, seek medical advice immediately and show this container or label.

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

- Acute effects inhalation : No data available.  
Acute effects skin : Causes skin irritation.  
Acute effects eyes : Causes serious eye irritation.  
Acute effects oral route : No data 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. Foam.

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

No additional information available

#### 5.3. Advice for firefighters

- Protection during firefighting : Use a self-contained breathing apparatus and also a protective suit.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- Protective equipment : Concerning personal protective equipment to use, see section 8.

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Prevent liquid from entering sewers, watercourses, underground or low areas.

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

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Methods for cleaning up : Rinse with water.

### 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 : Do not eat, drink or smoke when using this product. Shower, eyes shower and water point in proximity.

Hygiene measures : Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container.

Storage temperature : 5 - 40 °C

Material(s) to avoid : Not determined.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

2-butoxyethanol (111-76-2)		
EU	Local name	2-Butoxyethanol
EU	IOELV TWA (mg/m <sup>3</sup> )	98 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m <sup>3</sup> )	246 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	50 ppm
EU	Notes	Skin
France	VME (mg/m <sup>3</sup> )	49 mg/m <sup>3</sup>
France	VME (ppm)	10 ppm
France	VLE (mg/m <sup>3</sup> )	246 mg/m <sup>3</sup>
France	VLE (ppm)	50 ppm
United Kingdom	Local name	2-Butoxyethanol
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	123 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	25 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	246 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	50 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)

### Alcohols, , ethoxylated, sulfates, sodium salts (68891-38-3)

DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	2750 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	175 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	15 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	52 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	1650 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.24 mg/l
PNEC aqua (marine water)	0.024 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.9168 mg/kg dwt
PNEC sediment (marine water)	0.09168 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.946 mg/kg dwt
2-butoxyethanol (111-76-2)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	89 mg/kg bodyweight/day
Acute - systemic effects, inhalation	663 mg/m <sup>3</sup>

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<b>2-butoxyethanol (111-76-2)</b>	
Acute - local effects, inhalation	246 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	75 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	98 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	44.5 mg/kg bodyweight
Acute - systemic effects, inhalation	426 mg/m <sup>3</sup>
Acute - systemic effects, oral	13.4 mg/kg bodyweight
Acute - local effects, inhalation	123 mg/m <sup>3</sup>
Long-term - systemic effects, oral	3.2 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	49 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	38 mg/kg bodyweight/day
Long-term - local effects, inhalation	123 mg/m <sup>3</sup>
PNEC (Water)	
PNEC aqua (freshwater)	8.8 mg/l
PNEC aqua (marine water)	0.88 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	34.6 mg/kg dwt
PNEC sediment (marine water)	3.46 mg/kg dwt
PNEC (Soil)	
PNEC soil	2.8 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	463 mg/l
<b>1-butoxypropan-2-ol (5131-66-8)</b>	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	44 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	270.5 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	8.75 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	33.8 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	16 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.525 mg/l
PNEC aqua (marine water)	0.0525 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	2.36 mg/kg dwt
PNEC sediment (marine water)	0.236 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.16 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

### 8.2. Exposure controls

#### Hand protection:

Chemical resistant PVC gloves (to European standard EN 374 or equivalent). Time of penetration is to be fixed with the producer (minimum level 2)

#### Eye protection:

safety goggles (EN 166)

#### Protective equipment:

No special required clothing

#### Respiratory protection:

Not required

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Physical state/form	: Liquid.
Colour	: Blue.

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Odour	: solvent.
Odour threshold	: No data available
pH	: 6.9 (100%)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point/range	: No data available
Freezing point	: No data available
Boiling point/Boiling range	: No data available
Flash point	: 60 °C CAS N°5131-66-8_ 1-butoxypropan-2-ol
Autoignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.9 g/cm <sup>3</sup> 20°C
Solubility	: Water: 100 % 20°C
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

VOC content : 86.5 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

High temperatures.

### 10.5. Incompatible materials

Do not mix with other products.

### 10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. nitrogen oxides (NO<sub>x</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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

Alcohols, , ethoxylated, sulfates, sodium salts (68891-38-3)	
LD50 oral rat	> 4100 mg/kg OCDE 401
LD50 dermal rat	> 2000 mg/kg OCDE 402
2-butoxyethanol (111-76-2)	
LD50 oral rat	1300 mg/kg OCDE 401
LD50 dermal rat	1000 - 2000
1-butoxypropan-2-ol (5131-66-8)	
LD50 oral rat	> 3000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 3.41 mg/l/4h

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Skin corrosion/irritation	: Causes skin irritation. pH: 6.9 (100%)
Serious eye damage/irritation	: Causes serious eye irritation. pH: 6.9 (100%)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general	: Not classified according 1272/2008/CE.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

Alcohols, , ethoxylated, sulfates, sodium salts (68891-38-3)	
LC50 fish 1	7.1 mg/l OCDE 203
EC50 Daphnia 1	7.2 mg/l
EC50 72h algae (1)	27.7 mg/l
2-butoxyethanol (111-76-2)	
LC50 fish 1	1474 mg/l OCDE 203
EC50 Daphnia 1	1550 mg/l OCDE 202
ErC50 (algae)	1840 mg/l OCDE 201
1-butoxypropan-2-ol (5131-66-8)	
LC50 fish 1	100 (≥ 100) mg/l
EC50 Daphnia 1	> 1000 mg/l

#### 12.2. Persistence and degradability

SANISWISS BIOCLEANER C5 CONCENTRE	
Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) 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.
Alcohols, , ethoxylated, sulfates, sodium salts (68891-38-3)	
Persistence and degradability	Readily biodegradable.
2-butoxyethanol (111-76-2)	
Biodegradation	90 %

#### 12.3. Bioaccumulative potential

2-butoxyethanol (111-76-2)	
Log Kow	0.81 25°C
Bioaccumulative potential	not bioaccumulative.
1-butoxypropan-2-ol (5131-66-8)	
Log Kow	1.2

#### 12.4. Mobility in soil

No additional information available

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

Component	
Alcohols, , ethoxylated, sulfates, sodium salts (68891-38-3)	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
2-butoxyethanol (111-76-2)	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

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Component	
1-butoxypropan-2-ol (5131-66-8)	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. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

- Waste treatment methods : Dispose of in accordance with relevant local regulations.  
Waste / unused products : Avoid undiluted product to come into sewer or superficial water.

## SECTION 14: Transport information

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

### 14.1. UN number

UN-No. (ADR) : 1993

### 14.2. UN proper shipping name

Proper shipping name : Flammable liquid  
Transport document description (ADR) : UN 1993 Flammable liquid (), 3, III, (D/E)

### 14.3. Transport hazard class(es)

ADR  
Transport hazard class(es) (ADR) : 3  
Danger labels (ADR) : 3



### 14.4. Packing group

Packing group (ADR) : III

### 14.5. Environmental hazards

Dangerous for the environment : No  
Other information : No supplementary information available

### 14.6. Special precautions for user

#### - Overland transport

Limited quantities (ADR) : 5l  
Tunnel code : D/E

### 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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 86.5 %  
CESIO recommendations : The surfactant(s) contained in this preparation complies(comply) 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.  
Other information, restriction and prohibition regulations : Not affected by the conditions of restriction \_ ANNEXE XVII.

Detergent Regulation : Labelling of contents:

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Component	%
anionic surfactants, Non-ionic surfactants	<5%

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Other information : It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users. Such information is actually to be best of our knowledge and believes accurate as reliable. This information relates to the specific material designated and may not be valid in combination with other product(s). EC Regulation 1272/2008 and its amendments.

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Flam. Liq. 3	H226	On basis of test data
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method

*It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product*