

This safety data sheet complies with the requirements of: REACH Regulation (EC) No 1907/2006, as retained in UK law by (SI 2019/758 as amended)

SX PROFESSIONALS GLASS CLEANER Date: 06.10.2023 Replaces: 18.06.2014 Ref: 0173.10.LS/DL

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

1.1. Product identifier					
Product Name	SX PROFESSIONALS GLASS CLEANER				
Pure substance/mixture	Mixture				
1.2. Relevant identified uses of t	he substance or mixture and uses advised against				
Recommended use	Consumer use				
Uses advised against	None known				
1.3. Details of the supplier of the <u>Company Name</u> Siroflex Limited Dodworth Business Park, Dodwort South Yorkshire S75 3SP Tel: +44 (1226) 771600 Fax: +44 (1226) 771601 www.siro	th Barnsley,				
E-mail address	technical.siroflex@bostik.com				
1.4. Emergency telephone numb	)er				
United Kingdom	+44 (1226) 771600 (Office Hours Only)				
Ireland	NPIC - National Poison Information Centre Members of the Public: +353 (01) 8092166 (8.00 am to 10.00 pm - 7 days a week) Healthcare Professionals: +353 (01) 8092566 (24 hour service) 112				
SECTION 2: Hazards ident	ification				
2.1. Classification of the substar	nce or mixture				

GB CLP (SI 2020/1567 as amended)

Serious eye damage/eye irritation

Category 2 - (H319)

2.2. Label elements



Signal word Warning

Hazard statements H319 - Causes serious eye irritation.

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#### Precautionary Statements - EU (§28, 1272/2008)

P264 - Wash face, hands and any exposed skin thoroughly after handling
P280 - Wear protective gloves and eye/face protection
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/attention

#### 2.3. Other hazards

Causes mild skin irritation. Combustible liquid.

#### PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

#### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical name	EC No (EU Index No)	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH registration number
Isopropyl alcohol	(603-117-00- 0) 200-661-7	67-63-0	10 - <20	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)	-	01-2119457558- 25-XXXX
2-Butoxyethanol	(603-014-00- 0) 203-905-0	111-76-2	5 - <10	Acute Tox. 4 (H302) Acute Tox. 3 (H331) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	-	01-2119475108- 36-XXXX

#### Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open

	while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.			
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.			
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.			
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing.			
4.2. Most important symptoms and	effects, both acute and delayed			
Symptoms	May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation.			
4.3. Indication of any immediate m	edical attention and special treatment needed			
Note to doctors	No information available.			
SECTION 5: Firefighting me	asures			
5.1. Extinguishing media				
Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.			
Unsuitable extinguishing media	No information available.			
5.2. Special hazards arising from t	he substance or mixture			
Specific hazards arising from the chemical	Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.			
Hazardous combustion products	Carbon oxides.			
5.3. Advice for firefighters				
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.			
SECTION 6: Accidental relea	ase measures			
6.1. Personal precautions, protect	ive equipment and emergency procedures			
Personal precautions	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing.			
Other information	Refer to protective measures listed in Sections 7 and 8.			
For emergency responders	Use personal protection recommended in Section 8.			
6.2. Environmental precautions				
Environmental precautions	Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.			
6.3. Methods and material for cont	ainment and cleaning up			

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

Methods for containment	Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dyke far ahead of liquid spill for later disposal.
Methods for cleaning up	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.
6.4. Reference to other sections	
Reference to other sections	See section 8 for more information. See section 13 for more information.
SECTION 7: Handling and st	orage
7.1. Precautions for safe handling	_
Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.
General hygiene considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.
7.2. Conditions for safe storage, in	cluding any incompatibilities
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place.
7.3. Specific end use(s)	
Specific use(s) Consumer use.	
Risk Management Methods (RMM)	The information required is contained in this Safety Data Sheet.
Other information	Observe technical data sheet.
SECTION 8: Exposure contr	ols/personal protection

### 8.1. Control parameters

### **Exposure Limits**

Chemical name	European Union	United Kingdom
Isopropyl alcohol	-	TWA: 400 ppm
67-63-0		TWA: 999 mg/m <sup>3</sup>
		STEL: 500 ppm
		STEL: 1250 mg/m <sup>3</sup>
2-Butoxyethanol	TWA: 20 ppm	TWA: 25 ppm
111-76-2	TWA: 98 mg/m <sup>3</sup>	TWA: 123 mg/m <sup>3</sup>
	STEL: 50 ppm	STEL: 50 ppm
	STEL: 246 mg/m <sup>3</sup>	STEL: 246 mg/m <sup>3</sup>
	*	Sk*

Chemical name	European Union	Ireland	United Kingdom
Isopropyl alcohol	-	40 mg/L (urine - Acetone end of	-
67-63-0		shift at end of workweek)	
2-Butoxyethanol	-	200 mg/g Creatinine (urine - end	240 mmol/mol creatinine urine
111-76-2		of shift)	

Derived No Effect Level (DNEL) No infor

No information available

Derived No Effect Level (DNEL)
sopropyl alcohol (67-63-0)

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Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	500 mg/m³	
worker Long term Systemic health effects	Dermal	888 mg/kg bw/d	

2-Butoxyethanol (111-76-2)					
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor		
worker Systemic health effects Long term	Inhalation	98 mg/m³			
worker Systemic health effects Long term	Dermal	125 mg/kg bw/d			

Derived No Effect Level (DN	EL)				
Isopropyl alcohol (67-63-0)					
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor		
Consumer Long term Systemic health effects	Inhalation	89 mg/m³			
Consumer Long term Systemic health effects	Dermal	319 mg/kg bw/d			
Consumer Long term Systemic health effects	Oral	26 mg/kg bw/d			

2-Butoxyethanol (111-76-2)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
Consumer Systemic health effects Long term	Inhalation	59 mg/m³		
Consumer Systemic health effects Long term	Dermal	75 mg/kg bw/d		
Consumer Systemic health effects Long term	Oral	6,3 mg/kg bw/d		

## Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)			
Isopropyl alcohol (67-63-0)			
Environmental compartment	Predicted No Effect Concentration (PNEC)		
Freshwater	140.9 mg/l		
Marine water	140.9 mg/l		
Sewage treatment plant	2251 mg/l		
Freshwater sediment	552 mg/kg dry weight		
Marine sediment	552 mg/kg dry weight		
Soil	28 mg/kg dry weight		

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2-Butoxyethanol (111-76-2)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	8,8 mg/l
Marine water	0,88 mg/l
Sewage treatment plant	463 mg/l
Freshwater sediment	34,6 mg/kg dry weight
Marine sediment	3,46 mg/kg dry weight
Soil	2,33 mg/kg dry weight

#### 8.2. Exposure controls

**Engineering controls** 

Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment

Eye/face protection	Tight sealing safety goggles.
Skin and body protection	Suitable protective clothing.

Environmental exposure controls No information available.

## **SECTION 9: Physical and chemical properties**

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9.1. Information on basic physical			
Physical state	Liquid		
Colour	light blue		
Odour	Slight.		
Odour threshold	No information available		
Property	Values	Remarks • Method	
Melting point / freezing point	No data available	None known	
Initial boiling point and boiling	100 °C	None known	
range			
Flammability	Not applicable for liquids .	None known	
Flammability Limit in Air	······	None known	
Upper flammability or explosive	No data available		
limits			
Lower flammability or explosive	No data available		
limits			
Flash point	61 - 93 °C	None known	
Autoignition temperature	No data available	None known	
Decomposition temperature		None known	
рН	7	None known.	
pH (as aqueous solution)	No data available	None known	
Kinematic viscosity	No data available	None known	
Dynamic viscosity	No data available		
Water solubility	Soluble in water.	None known	
Solubility(ies)	Organic solvents	None known	
Partition coefficient	No data available	None known	
Vapour pressure	No data available	None known	
Relative density	0.922	None known	
Bulk Density	No data available		
Density	0.922		
Relative vapour density	No data available	None known	
Particle characteristics			
Particle Size	No information available		
Particle Size Distribution	No information available		
9.2. Other information			
Solid content (%)	No information available		
VOC content	No data	available	

9.2.1. Information with regards to physical hazard classes Not applicable

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9.2.2. Other safety characteristics No information available

SECTION 10: Stability and r	eactivity		
10.1. Reactivity			
Reactivity	No information available.		
10.2. Chemical stability			
Stability	Stable under normal conditions.		
Explosion data			
Sensitivity to mechanical impact	None.		
Sensitivity to static discharge	None.		
10.3. Possibility of hazardous read	ctions		
Possibility of hazardous reactions	None under normal processing.		
10.4. Conditions to avoid			
Conditions to avoid	None known based on information supplied.		
10.5. Incompatible materials			
Incompatible materials	None known based on information supplied.		
10.6. Hazardous decomposition products			
Hazardous decomposition products	None under normal use conditions. Stable under recommended storage conditions.		
SECTION 11: Toxicological	information		
11.1. Information on hazard class	ses as defined in Regulation (EC) No 1272/2008		
Information on likely routes of exp	posure		
Product Information			
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.		
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.		
Skin contact	Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation. Causes mild skin irritation.		
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.		
Symptoms related to the physical,	chemical and toxicological characteristics		
Symptoms	May cause redness and tearing of the eyes. Prolonged contact may cause redness and irritation.		
Symptoms			

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Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS documentATEmix (oral)13,333.30 mg/kgATEmix (dermal)>5000 mg/kgATEmix (inhalation-gas)>20000 ppmATEmix (inhalation-dust/mist)>5 mg/lATEmix (inhalation-vapour)33.30 mg/l

#### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	
Isopropyl alcohol	>5000 mg/Kg	= 4059 mg/kg (Oryctolagus	=72600 mg/m3 (Rattus) 4 h	
		cuniculus)		
2-Butoxyethanol	=1476 mg/kg (Rattus)(OECD	LD 0 >2000 mg/kg (guinea pig)	LC 0 (1h) > 3.1 mg/l (guinea	
	401)	(OECD 402)	pig)	

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation

Classification based on data available for ingredients. Causes mild skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Isopropyl alcohol (67-63-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	eye			Irritant
Acute Eye					
Irritation/Corrosion					

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Isopropyl alcohol (67-63-0)			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin	Guinea pig		No sensitisation responses
Sensitisation	-		were observed

Germ cell mutagenicity

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

Component Information

Method	Species	Results
OECD Test No. 476: In vitro Mammalian Cell	Hamster, in vitro	Not mutagenic
Gene Mutation Test		_

#### Carcinogenicity

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

**Reproductive toxicity** 

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.			
11.2. Information on other hazards				
11.2.1. Endocrine disrupting properties				
Endocrine disrupting properties	No information available.			
11.2.2. Other information				
Other adverse effects	No information available.			

## **SECTION 12: Ecological information**

### 12.1. Toxicity

## Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
la su name de sta sta st		1.050.00 h	microorganisms			(iong-term)
Isopropyl alcohol	EC50 72 h >	LC50 96 h >	-	EC50:		
67-63-0	1000 mg/L	1400000 ?g/L		=13299mg/L		
	(Desmodesmus	(Lepomis		(48h, Daphnia		
	subspicatus)	macrochirus)		magna)		
2-Butoxyethanol	EC50 (72h) =	LC50:	-	EC50:		
111-76-2	1840 mg/L	=1490mg/L (96h,		>1000mg/L (48h,		
	(Pseudokirchner	Lepomis		Daphnia magna)		
	iella subcapitata)	macrochirus)		EC50: 1698 -		
	OECD 201	LC50:		1940mg/L (24h,		
		=2950mg/L (96h,		Daphnia magna)		
		Lepomis				
		macrochirus)				

### 12.2. Persistence and degradability

Persistence and degradability No information available.

### 12.3. Bioaccumulative potential

**Bioaccumulation** 

#### **Component Information**

Chemical name	Partition coefficient
Isopropyl alcohol	0.05
2-Butoxyethanol	0.81

12.4. Mobility in soil

Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

Chemical name	PBT and vPvB assessment
Isopropyl alcohol	The substance is not PBT / vPvB PBT assessment does
	not apply
2-Butoxyethanol	The substance is not PBT / vPvB

#### 12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

#### 12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations			
13.1. Waste treatment methods	-		
Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.		
Contaminated packaging	Do not reuse empty containers.		
Other information	Waste codes should be assigned by the user based on the application for which the product was used.		

### **SECTION 14: Transport information**

Land transport (ADR/RID)		
14.1 UN number or ID number	Not regulated	
14.2 UN proper shipping name	Not regulated	
14.3 Transport hazard class(es)	Not regulated	
14.4 Packing group	Not regulated	
14.5 Environmental hazards	Not applicable	
14.6 Special precautions for user		
Special Provisions	None	
•		
IMDG		
14.1 UN number or ID number	Not regulated	
14.2 UN proper shipping name	Not regulated	
14.3 Transport hazard class(es)	Not regulated	
14.4 Packing group	Not regulated	
14.5 Marine pollutant	NP	
14.6 Special precautions for user		
Special Provisions	None	
14.7 Maritime transport in bulk		
according to IMO instruments		
Transport in bulk according to Annex II of MARPOL and the IBC Code Not applicable		
Air transport (ICAO-TI / IATA-DGR)	_	
14.1 UN number or ID number	Not regulated	
14.2 UN proper shipping name	Not regulated	
14.3 Transport hazard class(es)	Not regulated	
14.4 Packing group	Not regulated	
14.5 Environmental hazards	Not applicable	

None

**Special Provisions** 

14.6 Special precautions for user

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### Section 15: REGULATORY INFORMATION

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

European Union

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

#### Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

Persistent Organic Pollutants

Not applicable

### National regulations

#### 15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

### **SECTION 16: Other information**

#### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under section 3

H225 - Highly flammable liquid and va	apour	
H302 - Harmful if swallowed		
H315 - Causes skin irritation		
H319 - Causes serious eye irritation		
H331 - Toxic if inhaled		
H336 - May cause drowsiness or dizziness		
Legend		
TWA	TWA (time-weighted average)	
STEL	STEL (Short Term Exposure Limit)	
Ceiling	Ceiling Limit Value	
*	Skin designation	
SVHC	Substance(s) of Very High Concern	
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals	
vPvB	Very Persistent and very Bioaccumulative (vPvB) Chemicals	
STOT RE	Specific target organ toxicity - Repeated exposure	

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STOT SE EWC	Specific target organ toxicity - Single exposure European Waste Catalogue
ADR	European Agreement concerning the International Carriage of Dangerous Goods by
	Road
IMDG	International Maritime Dangerous Goods (IMDG)
ΙΑΤΑ	International Air Transport Association (IATA)
RID	Regulations concerning the International Transport of Dangerous Goods by Rail

Key literature references and sou No information available	ces for data
Prepared By	Product Safety & Regulatory Affairs
Revision date	16-Jun-2023
Indication of changes	
Revision note	Not applicable.
Training Advice	No information available

This material safety data sheet complies with requirements of UK REACH Regulations (SI 2019/758 as amended)

No information available

#### Disclaimer

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

#### **End of Safety Data Sheet**