

# SAFETY DATA SHEET

## Storfix Strong

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	25.08.2015
Revision date	23.05.2018

#### 1.1. Product identifier

Product name	Storfix Strong
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#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product group	Cleaning product.
Use of the substance / preparation	För grövre rengöring och grovstädning.

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

Company name	PLS Produkter AB (MultiClient)
Postal address	Fjärrvärmevägen 2
Postcode	S-54102
City	SKÖVDE
Country	Sverige
Telephone number	0046 500382080
Email	<a href="mailto:info@pls.nu">info@pls.nu</a>
Website	<a href="http://www.pls.nu">www.pls.nu</a>
Contact person	Anders Larsson

#### 1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 Description: SOS
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### SECTION 2: Hazards identification

#### 2.1. Classification of substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Eye Irrit. 2; H319
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## 2.2. Label elements

### Hazard pictograms (CLP)



Composition on the label	1-Methoxy-2-propanol 1 -5 vikt%, Ethanol 1 -5 vikt%
Signal word	Warning
Hazard statements	H319 Causes serious eye irritation.
Precautionary statements	P280 Wear protective gloves / protective clothing / eye protection / 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

PBT / vPvB	Not relevant.
Description of hazard	Not relevant.
Health effect	Not relevant.
Environmental effects	Not relevant.

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

Substance	Identification	Classification	Contents
1-Methoxy-2-propanol	CAS No.: 107-98-2 EC No.: 203-539-1 Index No.: 603-064-00-3	Flam. Liq. 3; H226 STOT SE3; H336	1 -5 vikt%
Propan-2-ol	CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0	Flam. Liq. 2; H225; Eye Irrit. 2; H319; STOT SE 3; H336;	1 – 5 vikt%
Ethanol	CAS No.: 64-17-5 EC No.: 200-578-6 Index No.: 603-002-00-5	Flam. Liq. 2; H225	1 -5 vikt%
Alcohols, C12-C14, ethoxy-lated	CAS No.: 68439-50-9 EC No.: 932-106-6	H302 Acute tox. 4 H318 Eye Dam. 1	< 1 vikt%

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General	No recommendation given.
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Inhalation	Fresh air and rest.
Skin contact	Gently wash with plenty of soap and water.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.
Ingestion	Drink a few glasses of water or milk.
Recommended personal protective equipment for first aid responders	No recommendation given.

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

Delayed symptoms and effects	No recommendation given.
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#### 4.3. Indication of any immediate medical attention and special treatment needed

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
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#### 5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Not relevant.
Hazardous combustion products	No recommendation given.

#### 5.3. Advice for firefighters

### SECTION 6: Accidental release measures

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

Personal protection measures	Wear protective gloves and, in case of splashes, goggles/face shield too. For personal protection, see section 8.
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#### 6.2. Environmental precautions

Environmental precautionary measures	Prevent discharge of larger quantity to drain. Contain spillages with sand, earth or any suitable adsorbent material.
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#### 6.3. Methods and material for containment and cleaning up

Cleaning method	Small quantities can be dissolved/diluted in water and flushed to drain. Large quantities should not be discharged into the drain but removed with absorbing material.
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#### 6.4. Reference to other sections

### SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling	Read and follow manufacturer's recommendations. Avoid contact with eyes.
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### 7.2. Conditions for safe storage, including any incompatibilities

Storage	Keep in original container.
Other Information	Keep out of reach of children.

### 7.3. Specific end use(s)

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Substance	Identification	Value	TWA Year
1-Methoxy-2-propanol	CAS No.: 107-98-2	TWA (8h) : 100 ppm TWA (8h) : 375 mg/m3 <b>OEL short term value</b> Value: 150 ppm <b>OEL short term value</b> Value: 560 mg/m3	
Ethanol	CAS No.: 64-17-5	TWA (8h) : 1000 ppm TWA (8h) : 1920 mg/m3 <b>OEL short term value</b> Value: 1000 ppm <b>OEL short term value</b> Value: 1900 mg/m3	

### DNEL / PNEC

Summary of risk management measures, human	No recommendation given.
Summary of risk management measures, environment	No recommendation given.

### 8.2. Exposure controls

Limitation of exposure on workplace	No recommendation given.
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## Safety signs



### Eye / face protection

Suitable eye protection	Wear approved chemical safety goggles where eye exposure is reasonably probable.
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### Hand protection

Skin- / hand protection, long term contact	For prolonged or repeated skin contact use suitable protective gloves.
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## SECTION 9: Physical and chemical properties

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

Physical state	Viscous liquid.
Colour	Colourless.
Odour	Pleasant, agreeable.
pH	Status: In delivery state Value: 11
Melting point / melting range	Comments: Not determined.
Boiling point / boiling range	Value: 100 °C
Flash point	Comments: Not determined.
Evaporation rate	Comments: Not determined.
Explosion limit	Comments: Inte relevant.
Vapour pressure	Comments: Not determined.
Vapour density	Comments: Not determined.
Density	Value: ~ 1 g/cm <sup>3</sup>
Bulk density	Comments: Not determined.
Solubility	Comments: Soluble in water.
Partition coefficient: n-octanol/water	Comments: Not determined.
Spontaneous combustability	Comments: Not determined.
Decomposition temperature	Comments: Not determined.
Viscosity	Comments: Ej fastställt.
Explosive properties	Inte relevant.
Oxidising properties	Does not meet the criteria for oxidising.

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	There are no known conditions that are likely to result in a hazardous situation.
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### 10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No recommendation given.
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### 10.4. Conditions to avoid

Conditions to avoid	No recommendation given.
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## 10.5. Incompatible materials

Materials to avoid	No recommendation given.
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## 10.6. Hazardous decomposition products

Hazardous decomposition products	No hazardous decomposition products.
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# SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Substance	1-Methoxy-2-propanol
Acute toxicity	<p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD50  <b>Route of exposure:</b> Oral  <b>Value:</b> 4016 mg/kg  <b>Animal test species:</b> Rat</p> <p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD50  <b>Route of exposure:</b> Dermal  <b>Value:</b> 2000 mg/l  <b>Animal test species:</b> Rat</p> <p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD50  <b>Route of exposure:</b> Inhalation.  <b>Value:</b> 25,8 mg/l  <b>Animal test species:</b> Rat</p>
Substance	Ethanol
Acute toxicity	<p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD50  <b>Route of exposure:</b> Oral  <b>Method:</b> OECD 401  <b>Value:</b> 10470 mg/kg  <b>Animal test species:</b> Rat</p> <p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LC50  <b>Route of exposure:</b> Inhalation.  <b>Method:</b> OECD 403  <b>Value:</b> 124,7 mg/l  <b>Animal test species:</b> Rat</p> <p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD50  <b>Route of exposure:</b> Dermal  <b>Method:</b> OECD 402  <b>Value:</b> &gt; 10000 mg/kg</p>

Substance	<b>Animal test species:</b> Rabbit
Acute toxicity	Alcohols, C12-C14, ethoxylated <b>Type of toxicity:</b> Acute <b>Effect tested:</b> LD50 <b>Route of exposure:</b> Oral <b>Value:</b> > 2000 mg/kg <b>Animal test species:</b> Rat

### Other information regarding health hazards

Inhalation	No recommendation given.
Skin contact	No recommendation given.
Eye contact	No recommendation given.
Ingestion	No recommendation given.
Sensitisation	Not relevant.
Mutagenicity	No known chronic or acute health risks.
Carcinogenicity, other information	No known chronic or acute health risks.
Teratogenic properties	No known chronic or acute health risks.
Reproductive toxicity	No known chronic or acute health risks.

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	1-Methoxy-2-propanol
Acute aquatic, fish	<b>Toxicity type:</b> Acute <b>Value:</b> 6812 mg/l <b>Effect dose concentration :</b> LC50 <b>Test duration:</b> 96 hour(s) <b>Species:</b> Leuciscus idus
Substance	Ethanol
Acute aquatic, fish	<b>Toxicity type:</b> Acute <b>Value:</b> 8150 mg/l <b>Effect dose concentration :</b> LC50 <b>Test duration:</b> 48 hour(s) <b>Species:</b> Leuciscus idus melanotus <b>Method:</b> LC50
Substance	Alcohols, C12-C14, ethoxylated
Acute aquatic, fish	<b>Value:</b> 1 – 10 mg/l <b>Test duration:</b> 96h <b>Species:</b> Carp fish <b>Method:</b> OECD 203
Substance	Ethanol
Acute aquatic, algae	<b>Toxicity type:</b> Acute

	<b>Value:</b> 275 mg/l <b>Effect dose concentration :</b> EC50 <b>Test duration:</b> 72 hour(s) <b>Species:</b> Chlorella vulgaris <b>Method:</b> OECD TG 201
Substance	Alcohols, C12-C14, ethoxylated
Acute aquatic, algae	<b>Value:</b> 1 – 10 mg/l <b>Test duration:</b> 72h <b>Species:</b> Selenastrum capricornutum <b>Method:</b> OECD 201
Substance	1-Methoxy-2-propanol
Acute aquatic, Daphnia	<b>Toxicity type:</b> Acute <b>Value:</b> > 21000 mg/l <b>Effect dose concentration :</b> EC50 <b>Test duration:</b> 48 hour(s) <b>Species:</b> Daphnia magna
Substance	Ethanol
Acute aquatic, Daphnia	<b>Toxicity type:</b> Acute <b>Value:</b> 5012 mg/l <b>Effect dose concentration :</b> LC50 <b>Test duration:</b> 48 hour(s) <b>Species:</b> Ceriodaphnia dubia <b>Method:</b> ASTM E 729-80
Substance	Alcohols, C12-C14, ethoxylated
Acute aquatic, Daphnia	<b>Value:</b> 1 – 10 mg/l <b>Test duration:</b> 48h <b>Species:</b> Daphnia magna <b>Method:</b> OECD 202
Substance	Ethanol
Toxicity to bacteria	<b>Toxicity type:</b> Acute <b>Value:</b> 6500 mg/l <b>Effect dose concentration :</b> EC0 <b>Test duration:</b> 16 hour(s) <b>Species:</b> Pseudomonas putida <b>Method:</b> EC0

## 12.2. Persistence and degradability

Substance	1-Methoxy-2-propanol
Biodegradability	<b>Value:</b> 96 % <b>Method:</b> OECD 301 E <b>Test period:</b> 28 day(s)
Substance	Alcohols, C12-C14, ethoxylated
Biodegradability	<b>Value:</b> 100% <b>Method:</b> OECD 301A

## 12.3. Bioaccumulative potential



Bioaccumulative potential	Bioaccumulation: Is not expected to be bioaccumulable.
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## 12.4. Mobility in soil

Mobility	Data lacking.
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## 12.5. Results of PBT and vPvB assessment

PBT assessment results	Not Classified as PBT/vPvB by current EU criteria.
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## 12.6. Other adverse effects

Environmental details, summation	No recommendation given.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Specify the appropriate methods of disposal	Recover and reclaim or recycle, if practical. Small amounts may be flushed with water to sewer. Larger volumes must be sent to approved plant for destruction.
Product classified as hazardous waste	No
Packaging classified as hazardous waste	No
EWC waste code	EWC: 200129 Rengöringsmedel som innehåller farliga ämnen

## SECTION 14: Transport information

### 14.1. UN number

Comments	Not relevant.
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### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

### 14.4. Packing group

### 14.5. Environmental hazards

ADR / RID / ADN	No recommendation given.
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### 14.6. Special precautions for user

Special safety precautions for user	No recommendation given.
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### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

### Additional information

Additional information	Not relevant.
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## SECTION 15: Regulatory information

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

Other label information	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.
References (laws/regulations)	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
Comments	For use in industrial installations or professional treatment only.

### 15.2. Chemical safety assessment

Chemical safety assessment performed	No
CSR required	No
Exposure scenarios for mixture	Nej

## SECTION 16: Other information

Supplier's notes	The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.
List of relevant H-phrases (Section 2 and 3)	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H318 Causes Serious eye damage. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Eye Irrit. 2; H319
Additional information	For restrictions on use see section 15. The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.
Version	1
Prepared by	Erik Persson