

# SAFETY DATA SHEET

## Cleaner

SDS according to Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II-EU

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

Date issued 26.11.2012

Revision date 18.09.2015

#### 1.1. Product identifier

Product name Cleaner

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

Use of the substance/preparation Cleaning agent.

#### 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

Tel 500468850

Fax 500468850

E-mail anders.larsson@pls.nu

Website <http://www.plu.nu>

Contact person Anders Larsson

#### 1.4. Emergency telephone number

Emergency telephone Toxicinformation:09-471 977

### SECTION 2: Hazards identification

#### 2.1. Classification of substance or mixture

Classification according to Eye Irrit. 2;H319;

Regulation (EC) No 1272/2008

[CLP/GHS]

#### 2.2. Label elements

##### Hazard Pictograms (CLP)



Signal word Warning

Hazard statements H319 Causes serious eye irritation.

Precautionary statements

P102 Keep out of reach of children.

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	No recommendation given.
Description of hazard	Irritating to eyes.
Health effect	Causes serious eye irritation.
Environmental effects	This product does not contain any PBT or vPvB substances.

## 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 Synonyms: 1-Methoxypropan-2-ol	Flam. Liq. 3; H226 STOT SE 3; H336	5 - 10 vikt%
Ethanol	CAS no.: 64-17-5 EC no.: 200-578-6 Index no.: 603-002-00-5 Synonyms: Ethanol	Flam. Liq. 2; H225	5 - 10 vikt%
Propan-2-ol	CAS no.: 67-63-0 EC no.: 200-661-7 Index no.: 603-117-00-0 Synonyms: Propan-2-ol	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	< 5 vikt%
Alcohols, C12-C14, ethoxylated	CAS no.: 68439-50-9 EC no.: 932-106-6	H302; Acute tox. 4; H318; Eye Dam. 1;	< 2 vikt%
Food colouring			< 0,001 vikt%

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General	If medical advice is needed, have product container or label at hand.
Inhalation	Move into fresh air and keep at rest.
Skin contact	Wash skin with soap and water.
Eye contact	Rinse cautiously with water for several minutes. Contact physician if irritation persists.
Ingestion	Immediately give a couple of glasses of water or milk, provided the victim is fully conscious. Do not induce vomiting.
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.

### 4.3. Indication of any immediate medical attention and special treatment needed

Separate first aid equipment No recommendation given.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide, dry powder or water fog.

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

Fire and explosion hazards This product is not flammable.

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 Follow precautions for safe handling described in this safety data sheet.

#### 6.1.1. For non-emergency personnel

Personal precautions No recommendation given.

#### 6.1.2. For emergency responders

For emergency responders No recommendation given.

### 6.2. Environmental precautions

Environmental precautionary measures Avoid discharge into drains, water courses or onto the ground.

### 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.

### 6.4. Reference to other sections

Other instructions No recommendation given.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling Avoid contact with eyes and prolonged skin contact.

#### Protective Safety Measures

Safety Measures To Prevent fire No recommendation given.

Preventive Measures to prevent aerosol and dust generation Not relevant.

Preventitive Measures to protect the environment No recommendation given.

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

Storage Keep only in original container. Protect from freezing and direct sunlight.

Other Information Keep out of reach of children.

### 7.3. Specific end use(s)

Recommendations Do not handle until all safety precautions have been read and understood. Keep out of reach of children.

Specific use(s) No recommendation given.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 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.

#### Respiratory protection

Respiratory protection Under normal conditions of use respiration protection should not be required.

#### Hand protection

Hand protection	Use protective gloves.
Suitable gloves type	Neoprene, nitrile, polyethylene or PVC. Butyl rubber.

## Eye / face protection

Eye protection	Wear approved chemical safety goggles where eye exposure is reasonably probable.
----------------	--

## Appropriate environmental exposure control

Environmental exposure controls	No recommendation given.
---------------------------------	--------------------------

## SECTION 9: Physical and chemical properties

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

Physical state	Fluid.
Colour	Red.
Odour	Slight odour of alcohol.
pH (as supplied)	<b>Value:</b> ~ 11
pH (aqueous solution)	<b>Value:</b> ~ 10
Boiling point / boiling range	<b>Value:</b> ~ 100 °C
Flash point	<b>Value:</b> > 60 °C
Specific gravity	<b>Value:</b> ~ 1,0 kg/dm <sup>3</sup>
Solubility description	Soluble in water.

### 9.2. Other information

#### Other physical and chemical properties

Comments	Information given concerns the concentrated solution.
----------	---

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	There are no known conditions that are likely to result in a hazardous situation.
------------	---

### 10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
-----------	---

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No recommendation given.
------------------------------------	--------------------------

### 10.4. Conditions to avoid

Conditions to avoid	No recommendation given.
---------------------	--------------------------

### 10.5. Incompatible materials

Materials to avoid	No recommendation given.
--------------------	--------------------------

### 10.6. Hazardous decomposition products

Hazardous decomposition products	No hazardous decomposition products.
----------------------------------	--------------------------------------

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicological data for substances

Substance	Alcohols, C12-C14, ethoxylated
LD50 oral	<b>Value:</b> > 2000 mg/kg <b>Animal test species:</b> Råtta
Respiratory or skin sensitisation	Ej sensibiliserande.
CMR effects	<b>Carcinogenicity:</b> Data lacking. <b>Reproductive toxicity:</b> Data lacking. <b>Comparison of available data with CMR criteria:</b> No recommendation given.
STOT-single exposure	Not relevant.

**Potential acute effects**

Inhalation	No recommendation given.
Skin contact	Prolonged or repeated contact leads to drying of skin.
Eye contact	Causes serious eye irritation.
Ingestion	May irritate and cause malaise.

**Delayed effects / repeated exposure**

Inhalation	No recommendation given.
Skin contact	No recommendation given.
Eye contact	No recommendation given.
Ingestion	Ingen särskild hälsorisk angiven.
Sensitisation	Not Sensitising.

**Carcinogenic, Mutagenic or Reprotoxic**

Carcinogenicity	No known chronic or acute health risks.
Mutagenicity	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**

Ecotoxicity	Not classified as dangerous to the environment.
-------------	---

**Toxicological data for substances**

Substance	Alcohols, C12-C14, ethoxylated
Acute aquatic, fish	<b>Value:</b> 1-10 mg/l <b>Method of testing:</b> OECD 203 <b>Species:</b> Karpfisk <b>Duration:</b> 96h
Acute aquatic, algae	<b>Value:</b> 1-10 mg/l <b>Method of testing:</b> OECD 201 <b>Species:</b> Selenastrum capricornutum <b>Duration:</b> 72h
Acute aquatic, Daphnia	<b>Value:</b> 1-10 mg/l <b>Method of testing:</b> OECD 202 <b>Species:</b> Daphnia magna <b>Duration:</b> 48h
Biodegradability	<b>Value:</b> 100% <b>Method of testing:</b> OECD 301A <b>Comments:</b> > 70 % aerobt nedbrytbart inom 28 dagar
Bioaccumulation	Will not bio-accumulate.

**12.2. Persistence and degradability**

Persistence and degradability	All organic components are considered biodegradable.
-------------------------------	--

**12.3. Bioaccumulative potential**

Bioaccumulative potential	Bioaccumulation: Is not expected to be bioaccumulable.
---------------------------	--

**12.4. Mobility in soil**

Mobility	Data lacking.
----------	---------------

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

PBT assessment results	This product does not contain any PBT or vPvB substances.
------------------------	---

**12.6. Other adverse effects**

Environmental details, summation	No recommendation given.
----------------------------------	--------------------------

**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.
Relevant waste regulation	No recommendation given.
Product classified as hazardous waste	Yes
Packaging classified as hazardous waste	No
EWC waste code	EWC: 200129 detergents containing dangerous substances
Other Information	Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

## SECTION 14: Transport information

### 14.1. UN number

Comments Not relevant.

### 14.2. UN proper shipping name

Comments Not relevant.

### 14.3. Transport hazard class(es)

Comments Not relevant.

### 14.4. Packing group

Comments Not relevant.

### 14.5. Environmental hazards

Comments No recommendation given.

### 14.6. Special precautions for user

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Additional information.

Additional information. No other information noted.

## SECTION 15: Regulatory information

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

EEC-directive	This surfactant 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.
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.
Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]	Eye Irrit. 2; H319;
List of relevant H-phrases (Section 2 and 3).	H318 Causes Serious eye damage. H302 Harmful if swallowed. H226 Flammable liquid and vapour. H336 May cause drowsiness or dizziness. H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation.
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.
Information which has been added, deleted or revised	Ny utgåva enligt Förordning (EU) 453/2010 angående säkerhetsdatablad. ingen ändring avseende klassificering.
Version	1
Responsible for safety data sheet	PLS Produkter AB (MultiClient)
Prepared by	Erik Persson