



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**SYMPROfluid Nicoclean 6500 0610**

Revision date: 19.04.2018

Product code: 65000610

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

### 1.1. Product identifier

SYMPROfluid Nicoclean 6500 0610

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

#### Use of the substance/mixture

Special denture cleaner for removing stubborn nicotine stains.

#### Uses advised against

No information available.

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

Company name: Renfert GmbH  
Street: Untere Giesswiesen 2  
Place: D-78247 Hilzingen  
Telephone: +49 7731 8208-0  
e-mail: info@renfert.com  
Contact person: Frau Andris  
e-mail: silke.andris@renfert.com  
Internet: www.renfert.com

Telefax: +49 7731 8208-70  
Telephone: +49 7731 8208-927

### 1.4. Emergency telephone number:

GB: 0044 151 951 3317 (Health and Safety Executive (HSE) Chemicals) | USA: 800-222-1222 (National Poison Control number) | CA: British Columbia: 800-567-8911 or 604-682-5050 Alberta: 1-800-332-1414 or 944-1414 Saskatchewan: 1-866-454-1212 Manitoba: 1-855-776-4766 Ontario: 1-800-268-9017 Quebec: 1-800-463-5060 New Brunswick: 911 Newfoundland: 1-866-727-1110 Northwest Territories: 1-800-332-1414 Nova Scotia: 1-800-565-8161 | AU: 13 11 26 | ZA: 021 938 6084 (Office Hours) or 021 931 6129 (24 Hours)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No. 1272/2008

Hazard categories:

Substance or mixture corrosive to metals: Met. Corr. 1  
Skin corrosion/irritation: Skin Corr. 1B  
Serious eye damage/eye irritation: Eye Dam. 1  
Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

May be corrosive to metals.  
Causes severe skin burns and eye damage.  
Causes serious eye damage.  
May cause respiratory irritation.

### 2.2. Label elements

#### Regulation (EC) No. 1272/2008

#### Hazard components for labelling

2-aminoethanol

Signal word:

Danger

Pictograms:



#### Hazard statements

H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.  
H335 May cause respiratory irritation.

#### Precautionary statements

P234 Keep only in original packaging.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

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P310 easy to do. Continue rinsing.  
 P390 Immediately call a POISON CENTER/doctor.  
 P390 Absorb spillage to prevent material damage.

### Additional advice on labelling

The classification is based on the pH value (EC regulation No. 1272/2008).

### 2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Alkaline cleaning agent

#### Hazardous components

CAS No	Chemical name	Quantity
	EC No	Index No
		REACH No
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
141-43-5	2-aminoethanol	< 10 %
	205-483-3	603-030-00-8
		01-2119486455-28
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, STOT SE 3, Aquatic Chronic 3; H332 H312 H302 H314 H335 H412	
34590-94-8	(2-methoxymethylethoxy) propanol	< 10 %
	252-104-2	
		01-2119450011-60
	(((2-hydroxyethyl)imino)dimethylene)bisphosphonic acid, sodium salt	
	244-743-0	
	Met. Corr. 1, Eye Irrit. 2, Aquatic Chronic 3; H290 H319 H412	
1310-58-3	potassium hydroxide	< 2 %
	215-181-3	019-002-00-8
		01-2119487136-33
	Met. Corr. 1, Acute Tox. 4, Skin Corr. 1A; H290 H302 H314	

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

#### Labelling for contents according to Regulation (EC) No 648/2004

< 5 % non-ionic surfactants, perfumes.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Take off immediately all contaminated clothing and wash it before reuse.

#### After inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

#### After contact with skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Immediate medical treatment required because corrosive injuries that are not treated are hard to cure.

#### After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### After ingestion

Rinse mouth. Do NOT induce vomiting. Call a physician immediately.

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

Causes severe skin burns and eye damage.

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

Immediate medical treatment required because corrosive injuries that are not treated are hard to cure.

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

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

Thermal decomposition can lead to the escape of irritating gases and vapours.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Do not inhale explosion and combustion gases.

## SECTION 6: Accidental release measures

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

Use personal protection equipment.

Provide adequate ventilation.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

### 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). Collect in closed and suitable containers for disposal.

### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Handle and open container with care.

Wear personal protection equipment (refer to section 8).

Avoid contact with eyes and skin.

When using do not eat, drink or smoke.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

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

#### Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place.

Keep container tightly closed.

#### Advice on storage compatibility

Do not store together with: Acid

#### Further information on storage conditions

Keep away from food, drink and animal feedingstuffs.

### 7.3. Specific end use(s)

Please refer to our internet website for more information: [www.renfert.com](http://www.renfert.com)

## 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
34590-94-8	(2-methoxymethylethoxy) propanol	50	308		TWA (8 h)	WEL
					STEL (15 min)	WEL
141-43-5	2-Aminoethanol	1	2.5		TWA (8 h)	WEL
		3	7.6		STEL (15 min)	WEL
1310-58-3	Potassium hydroxide				TWA (8 h)	WEL
			2		STEL (15 min)	WEL

### 8.2. Exposure controls

#### Appropriate engineering controls

Safe handling: see section 7

#### Protective and hygiene measures

Remove contaminated, saturated clothing immediately.

Wash hands before breaks and after work.

Avoid contact with eyes and skin.

Keep away from food, drink and animal feedingstuffs.



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**Eye/face protection**

Wear eye/face protection.

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

Suitable material: NR (natural rubber, natural latex), Butyl caoutchouc (butyl rubber)

Thickness of the glove material: 0,5 mm

Breakthrough time:  $\geq 8$  h

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. 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.

**Respiratory protection**

Provide adequate ventilation.

Respiratory protection necessary at: aerosol or mist formation

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

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

Physical state:	Liquid
Colour:	blue
Odour:	earthy
pH-Value (at 20 °C):	12

**Changes in the physical state**

Melting point:	not determined
Initial boiling point and boiling range:	$> 100$ °C
Flash point:	not applicable

**Explosive properties**

not explosive.

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined
Vapour pressure: (at 20 °C)	23 hPa
Density (at 20 °C):	1,01 - 1,03 g/cm <sup>3</sup>
Water solubility:	completely miscible
Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Evaporation rate:	not determined

**9.2. Other information**

No data available

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

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The mixture is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

Violent reaction with: Acid

Corrosive to metals

**10.4. Conditions to avoid**

No special measures are necessary.

**10.5. Incompatible materials**

Violent reaction with: Acid

Corrosive to metals

**10.6. Hazardous decomposition products**

No known hazardous decomposition products.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
141-43-5	2-aminoethanol				
	oral	LD50 mg/kg	1089	Rat	OECD 401
	dermal	LD50 mg/kg	1015	Rabbit	IUCLID
	inhalative (4 h) vapour	LC50	14,87 mg/l	Rat	
	inhalative aerosol	ATE	1,5 mg/l		
34590-94-8	(2-methoxymethylethoxy) propanol				
	oral	LD50 mg/kg	> 5000	Rat	OECD 401
1310-58-3	potassium hydroxide				
	oral	LD50	333 mg/kg	Rat	OECD 425

##### Irritation and corrosivity

Causes severe skin burns and eye damage.

##### 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

May cause respiratory irritation. (2-aminoethanol)

##### 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.

##### Further information

The product has not been tested. The statement is derived from the properties of the single components.

### SECTION 12: Ecological information

#### 12.1. Toxicity

There are no data available on the mixture itself.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
141-43-5	2-aminoethanol					
	Acute fish toxicity	LC50	349 mg/l	96 h	Cyprinus carpio (Common Carp)	
	Acute algae toxicity	ErC50	2,5 mg/l	72 h	Scenedesmus quadricauda	OECD 201
	Acute crustacea toxicity	EC50	65 mg/l	48 h	Daphnia magna (Big water flea)	88/449/EEC
34590-94-8	(2-methoxymethylethoxy) propanol					
	Acute fish toxicity	LC50 mg/l	10000	96 h	Pimephales promelas (fathead minnow)	
	Acute crustacea toxicity	EC50	1919 mg/l	48 h	Daphnia magna (Big water flea)	
1310-58-3	potassium hydroxide					
	Acute fish toxicity	LC50	80 mg/l	96 h	Gambusia affinis	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.

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
141-43-5	2-aminoethanol			
	OECD 301F	> 70 %	28	
	Readily biodegradable (according to OECD criteria).			

**12.3. Bioaccumulative potential**

There are no data available on the mixture itself.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
141-43-5	2-aminoethanol	- 1,91

**12.4. Mobility in soil**

There are no data available on the mixture itself.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects**

No information available.

**Further information**

The product has not been tested. The statement is derived from the properties of the single components. Do not allow uncontrolled discharge of product into the environment.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

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

UN 3266

**14.2. UN proper shipping name:**ÄTZENDER BASISCHER ANORGANISCHER FLÜSSIGER STOFF, N.A.G.  
(2-Amino-ethanol und Kaliumhydroxid Mischung)**14.3. Transport hazard class(es):**

8

**14.4. Packing group:**

II

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

UN 3266

**14.2. UN proper shipping name:**CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (2-Amino-ethanol and  
potassiumhydroxide mixture)**14.3. Transport hazard class(es):**

8

**14.4. Packing group:**

II

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

UN 3266

**14.2. UN proper shipping name:**CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (2-Amino-ethanol and  
potassiumhydroxide mixture)**14.3. Transport hazard class(es):**

8

**14.4. Packing group:**

II

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

Further information: see section 6, 7, 8

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

not applicable

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### 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): not applicable

##### Additional information

Labelling for contents according to regulation (EC) No 648/2004, annex 7:  
< 5% non-ionic surfactants , perfumes

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 3 - highly water contaminating

#### 15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

2-aminoethanol  
(2-methoxymethylethoxy) propanol

### SECTION 16: Other information

#### Changes

Abs. 2, 3, 13, 14, 15, 16 \* Data changed compared with the previous version

#### Abbreviations and acronyms

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LD50: lethal dose, 50%

LC50: lethal concentration, 50%

EC50: half maximal effective concentration

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement concernant le transport international ferroviaire de marchandises Dangereuses (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

VOC: volatile organic compound(s)

#### Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Met. Corr. 1; H290	On basis of test data
Skin Corr. 1B; H314	
Eye Dam. 1; H318	Calculation method
STOT SE 3; H335	Calculation method

#### Relevant H and EUH statements (number and full text)

H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H412 Harmful to aquatic life with long lasting effects.

#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.  
Restricted to professional users.

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