

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 13.12.2022



Version number 1.2 (replaces version 1.1)

Revision: 12.12.2022

**1 Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier**
- **Trade name: SERVOSOFT XW 690**
- **UFI:** CD2X-XEDC-S203-CTGH
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages**
  - M Manufacture
  - F Formulation or re-packing
  - IS Use at industrial Sites
  - PW Widespread use by professional workers
  - C Consumer use
- **Product category**
  - PC21 Laboratory chemicals
  - PC31 Polishes and wax blends
  - PC34 Textile dyes, and impregnating products
  - PC35 Washing and cleaning products (including solvent based products)
  - PC0 Other
- **Technical function** Surfactant
- **Application of the substance / the mixture** Hydrophobing agent/ water repellent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
  - KLK Kolb Specialties B.V.
  - Langestraat 167
  - NL-7491 AE Delden
  - The Netherlands
  - Tel +31 (0)74 3775 000
  - Product.stewardship@kolb.ch
- **Further information obtainable from:** Product Stewardship
- **Emergency telephone number:** +1 352 323 3500

**2 Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
  - Flam. Liq. 3 H226 Flammable liquid and vapour.
  - Skin Irrit. 2 H315 Causes skin irritation.
  - Eye Irrit. 2 H319 Causes serious eye irritation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
  - The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**
  -  
  - GHS02 GHS07
- **Signal word** Warning

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- **Hazard statements**

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.

- **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P241 Use explosion-proof [electrical/ventilating/lighting] equipment.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** A PBT assessment is not available as a chemical safety assessment is not required / was not performed.
- **vPvB:** A vPvB assessment is not available as a chemical safety assessment is not required / was not performed.

- **Determination of endocrine-disrupting properties**

The substance/mixture does not contain any components believed to have endocrine disrupting properties, according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 on level 0.1% or higher.

### 3 Composition/information on ingredients

- **3.2 Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

EC number: 931-216-1 EU Reg. nr.: 01-2119472309-33-XXXX	Fatty acids, C18 unsatd., reactionproducts with triethanolamine, di-Me sulfate-quaternized ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	> 50 – ≤ 100%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 EU Reg. nr.: 01-2119457558-25--XXXX	propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	10%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First aid measures

- **4.1 Description of first aid measures**

- **General information:**

Get medical attention immediately if symptoms occur. Show this safety data sheet to the doctor in attendance.

- **After inhalation:**

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen.

- **After skin contact:**

Wash off immediately with soap and plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.

- **After eye contact:**

Rinse immediately carefully and thoroughly with eye-bath or water. If eye irritation persists, consult a specialist.

- **After swallowing:**

If swallowed, seek medical advice immediately and show this SDS or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

- **4.2 Most important symptoms and effects, both acute and delayed**

Severe eye irritation.

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Irritating to mucous membranes.  
Swelling of tissue.  
Redness.

- **4.3 Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

### 5 Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
  - Alcohol resistant foam
  - Fire-extinguishing powder
  - Carbon dioxide
  - Dry sand
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **Hazardous combustion products**
  - Carbon monoxide
  - Carbon dioxide (CO<sub>2</sub>)
  - Nitrogen oxides (NO<sub>x</sub>)
  - Sulphur oxides (SO<sub>x</sub>)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
  - Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
  - Take precautionary measures against static discharges.
  - Soak up with inert absorbent material and dispose of as hazardous waste.
  - Ensure adequate ventilation.
  - Sweep up and shovel into suitable containers for disposal.
  - Clean contaminated surface thoroughly.
  - Prevent product from entering drains.
  - Local authorities should be advised if significant spillages cannot be contained.
- **6.4 Reference to other sections**
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

### 7 Handling and storage

- **7.1 Precautions for safe handling**
  - Avoid contact with skin, eyes and clothing. Avoid breathing mists, dusts, or vapors. Wash hands thoroughly after handling.
- **Information about fire - and explosion protection:**
  - Keep ignition sources away - Do not smoke.
  - Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
  - Keep containers tightly closed in a cool, well-ventilated place. Keep product and empty container away from heat and sources of ignition.
- **Information about storage in one common storage facility:** Not required.

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- **Further information about storage conditions:** None.
- **Unsuitable storage materials:** Carbon steel
- **Suitable material:**  
Stainless steel  
Plastic
- **7.3 Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### · DNELs

#### **Fatty acids, C18 unsatd., reactionproducts with triethanolamine, di-Me sulfate-quaternized**

Oral	DNEL Long term systemic	7.5 mg/kg bw/day (General population)
Dermal	DNEL Long term systemic	187.5 mg/kg bw/day (General population) 312.5 mg/kg bw/day (worker)
Inhalative	DNEL Long term systemic	13 mg/m <sup>3</sup> (General population) 44 mg/m <sup>3</sup> (worker)

#### **67-63-0 propan-2-ol**

Oral	DNEL Long term systemic	26 mg/kg bw/day (General population)
Dermal	DNEL Long term systemic	319 mg/kg bw/day (General population) 888 mg/kg bw/day (worker)
Inhalative	DNEL Long term systemic	89 mg/m <sup>3</sup> (General population) 500 mg/m <sup>3</sup> (worker)

### · PNECs

#### **Fatty acids, C18 unsatd., reactionproducts with triethanolamine, di-Me sulfate-quaternized**

Fresh Water	0.002 mg/L
Sea Water	0 mg/L
Fresh water sediment	0.58 mg/kg
Sea water sediment	0.058 mg/kg
Sewage treatment plant	2.96 mg/L
Soil	0.115 mg/kg

#### **67-63-0 propan-2-ol**

Fresh Water	140.9 mg/L
Sea Water	140.9 mg/L
Fresh water sediment	552 mg/kg
Sea water sediment	552 mg/kg
Sewage treatment plant	2,251 mg/L
Soil	28 mg/kg

- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.

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- **Hand protection**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Neoprene gloves  
Nitrile rubber, NBR  
Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **Penetration time of glove material**

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

- **Eye/face protection**



Tightly sealed goggles

- **Body protection:** Protective work clothing

## 9 Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Physical state**

Liquid

- **Form:**

Fluid  
Viscous

- **Colour:**

Brown

- **Odour:**

Alcohol-like

- **Odour threshold:**

Not determined.

- **pH (50 g/l) at 20 °C**

2.5 - 4.0 (ASTM D1172)

- **Change in condition**

- **Melting point/freezing point:**

-10 °C (DGF-C-IV-3A)

- **Boiling point or initial boiling point and boiling range**

&gt; 80 °C

- **Flash point:**

~ 25 °C (ASTM D3278)

- **Flammability**

Flammable.

- **Decomposition temperature:**

&gt; 150 °C

- **Auto-ignition temperature:**

&gt; 400 °C

- **Explosive properties:**

Vapours may form explosive mixtures with air

- **Lower and upper explosion limit**

- **Lower:**

2 Vol %

- **Upper:**

12 Vol %

- **Vapour pressure at 20 °C:**

43 hPa (solvent)

- **Density at 40 °C:**

0.99 g/cm<sup>3</sup> (ISO 2811-2)

- **Bulk density:**

979 kg/m<sup>3</sup>

- **Vapour density**

Not determined.

- **Relative density**

Not determined.

- **Viscosity:**

- **Dynamic at 20 °C:**

~ 500 mPas (ASTM D2196)

- **Kinematic viscosity**

Not determined.

- **Solubility**

- **water:**

Slightly soluble.

- **alcohols:**

Highly soluble.

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· <b>organic solvents:</b>	Soluble in many organic solvents.
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>9.2 Other information</b>	
· <b>Specific dust explosion constant (Kst)</b>	
· <b>Evaporation rate</b>	Not determined.
· <b>9.2.1 Information with regard to physical hazard classes</b>	
· <b>Flammable liquids</b>	Flammable liquid and vapour.
· <b>Corrosive to metals</b>	Information on incompatible materials can be found in Sections 7 and 10.

## 10 Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Heat, flames and sparks
- **10.5 Incompatible materials:** Oxidizing agent
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

### · LD/LC50 values relevant for classification:

Fatty acids, C18 unsatd., reactionproducts with triethanolamine, di-Me sulfate-quaternized		
Oral	LD50	> 2,000 mg/kg (Rat)
Dermal	LD50	> 2,000 mg/kg (Rat)
67-63-0 propan-2-ol		
Oral	LD50	5,840 mg/kg (Rat) (OECD 401)
Dermal	LD50	13,900 mg/kg (Rabbit) (OECD 402)
Inhalative	LC50/4 h	> 10,000 mg/L (Rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **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.
- **Target organ effects:**
- Eyes.
- Skin.

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- **11.2 Information on other hazards**
- **Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

## 12 Ecological information

- **12.1 Toxicity**

- **Product information:**

**Fatty acids, C18 unsatd., reactionproducts with triethanolamine, di-Me sulfate-quaternized**

LC50 Toxicity to Fish	1.91 mg/L (Oncorhynchus mykiss) (96h)
EC50/LC50 Toxicity to Daphnia Magna	2.23 mg/L (48h)
EC50/LC50 Toxicity to Algae	1.9 mg/L (Desmodesmus subspicatus) (72h)

**67-63-0 propan-2-ol**

LC50 Toxicity to Fish	10,000 mg/L (Pimephales promelas) (96h)
EC50/LC50 Toxicity to Daphnia Magna	> 10,000 mg/L (24h)

- **12.2 Persistence and degradability**

The product is readily biodegradable.

**Fatty acids, C18 unsatd., reactionproducts with triethanolamine, di-Me sulfate-quaternized**

Biodegradability:	> 60 % (OECD 301B)
	76 % (anaerobic, after 56 days)

**67-63-0 propan-2-ol**

Biological eliminability	0.05 %
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- **12.3 Bioaccumulative potential**

67-63-0	propan-2-ol	Log Pow: 0.05
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- **12.4 Mobility in soil** No further relevant information available.

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

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

- **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.

- **12.7 Other adverse effects** No further relevant information available.

- **12.8 Additional ecological information**

- **General notes:**

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.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13 Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation:**

Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with federal, state and local regulations.

- **European waste catalogue**

HP3	Flammable
HP4	Irritant - skin irritation and eye damage

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- **13.2 Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## 14 Transport information

<ul style="list-style-type: none"> <li>· <b>14.1 UN number or ID number</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>	UN1987
<ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG, IATA</b></li> </ul>	1987 ALCOHOLS, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL)) ALCOHOLS, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))
<ul style="list-style-type: none"> <li>· <b>14.3 Transport hazard class(es)</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>	3 Flammable liquids. 3
<ul style="list-style-type: none"> <li>· <b>14.4 Packing group</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>	III
<ul style="list-style-type: none"> <li>· <b>14.5 Environmental hazards</b></li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>· <b>14.6 Special precautions for user</b></li> <li>· <b>Hazard identification number (Kemler code):</b></li> <li>· <b>EMS Number:</b></li> </ul>	Warning: Flammable liquids. 30 F-E,S-D
<ul style="list-style-type: none"> <li>· <b>14.7 Maritime transport in bulk according to IMO instruments</b></li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>· <b>14.8 Transport/Additional information</b></li> <li>· <b>Tunnel restriction code:</b></li> </ul>	D/E

## 15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Chemical safety assessment**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

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· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

The information provided in this Safety Data sheet is correct to the best of KLK Kolb Specialties B.V.' knowledge, information and belief at the date of its publication. The information given is designed only as 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 product designated and may not be valid for such product when used in combination with any other material or in any process, unless specified in this SDS. KLK Kolb Specialties B.V. specifically disclaims any liability for any loss, injury or damage which may result from user or misuse of this product.

All chemicals should be handled only by competent personnel, within a controlled environment. It is the buyer's/ user's responsibility to ensure that his activities comply with all applicable federal, state, provincial and local laws, and to determine the conditions necessary for the safe use of this product. KLK Kolb Specialties B.V. urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

· **Basis of Classification**

This substance is classified based on Directive 1272/2008/EC and its amendments (CLP regulation, GHS); See Section 2

· **Department issuing SDS:** Product safety department

· **Version number of previous version:** 1.1

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· **\* Data compared to the previous version altered.**

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