

# Safety data sheet

Regulation (EC) No. 1907/2006 and (EG) 453/2010

## Synteko Superclean

**SYNTEKO**<sup>®</sup>

A SIKA COMPANY

Date 2015-03-17

Version 1

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

1.1 Product identifier	Synteko Superclean
1.2 Relevant identified uses of the substance or mixture and uses advised against	Cleaning
1.3 Details of the supplier of the safety data sheet	Sika Estonia OÜ
Address	Valge 13, 11415 Tallinn, Estonia
Telephone/ Telefax	Tel. +372 605 4000
Homepage/E-mail	www.synteko.com, info@ee.sika.com
1.4 Emergency telephone number	Poison centre: +372 6269390, direct number 16662 Emergency telephone number: 112

### SECTION 2: Hazards identification

#### 2.1 Classification:

Classification (1999/45/EC)

This product is not classified as flammable, harmful or dangerous for the environment.

Classification CLP (1272/2008/EC)

Serious eye irritation - Category 2; H319

#### 2.2 Label elements:

Pictogram



Signal Word: Warning

#### Containing substances

Alcohols, C12-14, ethoxylated

#### Hazard statement Code(s)

H319 Causes serious eye irritation.

#### Precautionary statements

P102 Keep out of reach of children.

P280 Wear eye 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

This product is not considered to contain any substances that meet the criteria for classification as PBT or vPvB substances.

**Synteko Superclean**

Date 2015-03-17

Version 1

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

**3.2 Chemical composition: Mixture**

Components	CAS-No EC-No Reg-No	Conc. %	Symbol R-phrases*	Hazard Class and Category Code(s)	Hazard statement Code(s)*
2-(2-butoxyethoxy)ethanol	112-34-5 203-961-6	1-10	Xi; R36	Eye Irrit. 2	H319
Ethanol	64-17-5 200-578-6 01-2119457610-43-xxxx	1-<5	F; R11	Flam. Liq. 2	H225
Alcohols, C12-14, ethoxylated	68439-50-9 932-106-6	1-<3	Xn; R22 Xi; R41	Acute Tox. 4 Eye Dam. 1 Aquatic Chronic 3	H302 H318 H412

\* The full text of Risk phrases and Hazard statement Codes are listed under heading 16.

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels.

The classification is based on information from the chemical supplier and <http://echa.europa.eu/> (Databases)

**Description of symbols abbreviations**

T= Toxic; T+= Very toxic; C= Corrosive; Xn= Harmful; Xi= Irritant; O= Oxidizing; E= Explosive; F= Highly flammable; F+= Extremely flammable; N= Dangerous to the environment

**SECTION 4: First aid measures**

**4.1 Description of first aid measures:**

**General information**

In all cases of doubt, or when symptoms persist, seek medical advice.

Never give fluids or induce vomiting if patient is unconscious.

Keep person warm and calm.

**Inhalation**

Fresh air.

**Skin contact**

Take off all contaminated clothing. Wash with water.

**Eye contact**

Rinse immediately with water for several minutes. Remove potential contact lenses. Hold eyelids apart. Contact a doctor if the complaints persist.

**Ingestion**

Rinse mouth with water and drink several glasses of water or milk. Contact a doctor if the complaints persist.

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

**Inhalation:** Vapour/spray could be irritating to the respiratory system. (Coughing)

**Skin contact:** Prolonged or often repeated contact has a desiccating effect on the skin. May cause dry skin and skin cracking.

**Eye contact:** Irritating to eyes. (Burning, redness)

**Ingestion:** Ingestion can cause nausea, pain.

**4.3 Indication of any immediate medical attention and special treatment needed**

-

**Synteko Superclean**

Date 2015-03-17

Version 1

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

Water spray, fog or mist, foam, powder, carbon dioxide.

**5.2 Special hazards arising from the substance or mixture**

Do not breathe fumes. During fire, gases hazardous to health may be formed.

**5.3 Special protective equipment**

Appropriate breathing apparatus may be required.

**Additional information**

Cool endangered containers with water in case of fire.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Run risks of slipperiness.

Avoid contact with eyes.

Use suitable personal protective equipment.

**6.2 Environmental precautions**

Do not flush larger amounts into surface water or sanitary sewer system.

**6.3 Methods and material for containment and cleaning up**

Re-use product if possible. Small quantities may be flushed or wiped up. Larger spill: Contain spill with inert material. Absorb in vermiculite, dry sand or earth.

**6.4 Reference to other sections**

See section 7 for proper handling and storage.

For personal protection see section 8.

For disposal of spillage, see section 13.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice. Run risks of slipperiness.

Avoid contact with eyes. Use suitable personal protective equipment.

Wash hands during work breaks and at the end of the shift.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in tightly closed container.

**7.3 Specific end use(s)**

-

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters:**

**Appropriate engineering controls**

Provide adequate ventilation.

Eyewash station should be provided.

**Exposure limits:**

**Swedish limit values or limit values according to the European commission**

Substance	CAS-No	Level limit value	Ceiling limit value	Short time value	Note
2-(2-butoxyethoxy)ethanol	112-34-5	15 ppm 100 mg/m <sup>3</sup>	-	30 ppm 200 mg/m <sup>3</sup>	
Ethanol	64-17-5	500 ppm 1000 mg/m <sup>3</sup>	-	1000 ppm 1900 mg/m <sup>3</sup>	

**Synteko Superclean**

Date 2015-03-17

Version 1

**SECTION 8: Exposure controls/personal protection (...)**

**DNEL**

2-(2-butoxyethoxy)ethanol (112-34-5)	<p>Short term exposure - Workers Local effects, inhalation: 101.2 mg/m<sup>3</sup> Exposure - Consumers Effects, oral: 1.25 mg/kg Exposure - Consumers Local effects, inhalation: 34 mg/kg Long term exposure - Consumers Systematic effects, inhalation: 34 mg/kg Long term exposure - Workers Systematic effects, dermal: 20 mg/kg Long term exposure - Workers Systematic effects, inhalation: 67.5 mg/m<sup>3</sup> Short term exposure - Consumers Local effects, inhalation: 50.6 mg/m<sup>3</sup> Exposure - Consumers Effects, dermal: 10 mg/kg</p>
Ethanol (64-17-5)	<p>Exposure - Workers Effects,, inhalation: 950 mg/m<sup>3</sup> Exposure - Workers Effects, dermal: 343 mg/kg bodyweight/day Exposure - Consumers Effects, inhalation: 114 mg/m<sup>3</sup> Exposure - Consumers Effects, dermal: 206 mg/m<sup>3</sup> Exposure - Consumers Effects, oral: 87 mg/kg bodyweight/day</p>

**PNEC**

2-(2-butoxyethoxy)ethanol (112-34-5)	0.4 mg/kg	Sediment
2-(2-butoxyethoxy)ethanol (112-34-5)	1 mg/l	Seawater
2-(2-butoxyethoxy)ethanol (112-34-5)	4 mg/kg	Wet sediment (Seawater)
2-(2-butoxyethoxy)ethanol (112-34-5)	1 mg/l	Freshwater
2-(2-butoxyethoxy)ethanol (112-34-5)	0.4 mg/kg	Soil
Ethanol (64-17-5)	0.96 mg/l	Freshwater
Ethanol (64-17-5)	0.79 mg/l	Seawater

**8.2 Exposure controls:**

**General protective and hygiene measures**

Wash hands before breaks and after work.

Handle in accordance with good industrial hygiene and safety practice.

**Individual protection measures, such as personal protective equipment:**

Always consult a competent person/supplier when selecting personal protective equipment.

**Respiratory protection**

Normally not needed.

**Hand protection**

Normally not needed. For prolonged and frequent contact with the product use protective gloves. (eg Nitrile rubber , PVC)

**Eye protection**

Protective gloves must be used if there is a risk of direct contact or splash

**Clothing requirements:**

Wear suitable protective clothing.

## Synteko Superclean

Date 2015-03-17

Version 1

### SECTION 9: Physical and chemical properties

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

Form:	Liquid
Colour:	Slightly greenish
Odour:	Organic solvents
Density:	1,0 kg/l
Odor threshold:	Not available
pH-value (Concentrate):	About 9
Melting point/Freezing point (°C):	Not available
Boiling point/range (°C):	Not available
Flash point (°C):	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Upper/lower flammability limits or explosive limits (VOL-%):	13/2
Vapour pressure:	Not available
Vapour density (air=1):	Not available
Solubility in water:	Soluble
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature (C):	Not available
Decomposition temperature (°C):	Not available
Viscosity:	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
Organic solvents (W-%)	8.0

#### 9.2 Other information:

No specific.

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Stable under recommended storage and handling conditions.

#### 10.2 Chemical stability

Stable.

#### 10.3 Possibility of hazardous reactions

None, if storage and handling is done according to specification.

#### 10.4 Conditions to avoid

None, if storage and handling is done according to specification.

#### 10.5 Incompatible materials

No known.

#### 10.6 Hazardous decomposition products

None, if storage and handling is done according to specification.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

See also section 4. (Most important symptoms and effects, both acute and delayed)

**Inhalation**

Vapour/spray could be irritating to the respiratory system.

**Skin contact**

Prolonged or often repeated contact has a desiccating effect on the skin. May cause dry skin and skin cracking.

**Eye contact**

Irritating to eyes.

**Ingestion**

Ingestion can cause nausea, pain and/or vomiting.

**Toxicology data**

Toxicology data about this preparation is not available.

**Toxicology data for the containing components:**

2-(2-butoxyethoxy)ethanol (112-34-5)	LD <sub>50</sub> Oral rat: >2000 mg/kg LD <sub>50</sub> Dermal rabbit: >2000 mg/kg
Ethanol (64-17-5)	LD <sub>50</sub> Oral rat: >2000 mg/kg LD <sub>50</sub> Dermal rabbit: >2000 mg/kg LC <sub>50</sub> Inhaled mouse 4h: >20 mg/l (fumes)
Alcohols, C12-14, ethoxylated (68439-50-9)	LD <sub>50</sub> Oral rat: >300-2000 mg/kg LD <sub>50</sub> Dermal rabbit: >2000 mg/kg

**STOT-single exposure -repeated exposure.**

No known.

**Routes of exposure**

Eyes and skin, inhalation and ingestion.

**Allergenic potential**

This product is not classified as allergenic by inhalation or skin contact.

**Carcinogenicity, mutagenicity and toxicity for reproduction**

This product is not classified as carcinogen, mutagen and toxic for reproduction.

**Other information**

None.

**SECTION 12: Ecological information**

This product is not classified as dangerous for the environment.

Do not flush into surface water or sanitary sewer system.

**12.1 Toxicity**

Toxicology data about this preparation is not available.

**Toxicology data for the containing components:**

<b>2-(2-butoxyethoxy)ethanol (112-34-5)</b>	LC <sub>50</sub> Fish: >1300 mg/l Sp: Lepomis macrochirus EC <sub>50</sub> Algae: >100 mg/l Sp: Desmodesmus subspicatus EC <sub>50</sub> Daphnia 48h: >100 mg/l Sp: D. magna
<b>Ethanol (64-17-5)</b>	LC <sub>50</sub> Fish 48h: > 100 mg/l Sp: Leuciscus idus EC <sub>50</sub> Daphnia 48h >100 mg/l Sp: Daphnia magna EC <sub>50</sub> Algae 48h: >100 mg/l Selenastrum capricornutum
<b>Alcohols, C12-14, ethoxylated (68439-50-9)</b>	LC <sub>50</sub> Fish 96h: >1-10 mg/l Sp: Cyprinus carpio EC <sub>50</sub> Daphnia 48h: >1-10 mg/l Sp: Daphnia magna EC <sub>50</sub> Algae 72h: >1-10 mg/l Sp: Desmodesmus subspicatus: EC <sub>10</sub> Algae 72h: >0.1-1 mg/l Sp: Scenedesmus subspicatus: EC <sub>50</sub> Bacteria activated sludge: 140 mg/l NOEC: 10 mg/kg; Lepidium sativum

**12.2 Persistence and degradability**

2-(2-butoxyethoxy)ethanol (112-34-5) - Readily biodegradable.

Ethanol (64-17-5) - Readily biodegradable.

Alcohols, C12-14, ethoxylated (68439-50-9) - Biodegradable.

**12.3 Bioaccumulative potential**

Does not bioaccumulate. LogPow: 0.68 - 2-(2-butoxyethoxy)ethanol (112-34-5)

Does not bioaccumulate. - Ethanol (64-17-5)

No bioaccumulation expected - Alcohols, C12-14, ethoxylated (68439-50-9)

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

This product is not considered to contain any substances that meet the criteria for classification as PBT or vPvB substances.

**12.6 Other adverse effects**

No known.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**The product**

This product or residues of this product are not classified as hazardous waste.

Dispose of in accordance with local authority requirements.

**Suggested EWC-code:** 20 01 30 detergents other than those mentioned in 20 01 29.

**Disposal of Packaging**

Well cleaned packaging could be left for recycling

**SECTION 14: Transport information**

The product are not classified as dangerous goods according to ADR/RID, IMDG, DGR.

**14.1 UN number**

-

**14.2 UN proper shipping name (IMDG, IATA/ICAO):**

-

**14.3 Transport hazard class(es)**

-

**14.4 Packing group**

-

**14.5 Environmental hazards**

Marine pollutant: No

**14.6 Special precautions for user**

-

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

-

**SECTION 15: Regulatory information**

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

Classification according to CLP (1272/2008/EC).

REACH 1907/2006/EC

**15.2 Chemical safety assessment**

None.

**SECTION 16: Other information**

The full text of Risk phrases and Hazard statement Codes listed under section 3:

R11 Highly flammable.

R22 Harmful if swallowed.

R36 Irritating to eyes.

R41 Risk of serious damage to eyes.

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

This information is provided for health and safety assessments by an industrial user. Reference should be made to any relevant local or national health, safety, and environmental legislation.

**Version 1:** 2015-03-17. Safety data sheet according to Regulation (EC) No. 1907/2006 and (EG) 453/2010.

**Abbreviations explanations**

ADR: International Carriage of Dangerous Goods by Road

BCF: Bio Concentration Factor

CAS-nr: Chemical Abstracts Service number

DNEL: Derived No Effect Level

EC<sub>50</sub>: Effect Concentration

EG-nr: A substance number i Einescs, Elincs or in No-Longer Polymers List.



# Safety data sheet

Regulation (EC) No. 1907/2006 and (EG) 453/2010

## Synteko Superclean



A SIKA COMPANY

Date 2015-03-17

Version 1

IMDG: International Maritime Dangerous Goods Code.

LC<sub>50</sub>: Lethal Concentration

<b>SECTION 16: Other information (...)</b>
--

LD<sub>50</sub>: Lethal Dose

IC<sub>50</sub>: Median Inhibition Concentration

NOEC: No Observed Effect Concentration

PBT-substance: Persistent, Bio accumulative and Toxic substances.

PNEC: Predicted No Effect Concentration

vPvB-substance: Very persistent and Very Bio accumulative substances.