

Synteko Remover

Date 2019-03-13

Revision 2

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

1.1 Product identifier	Synteko Remover
1.2 Relevant identified uses of the substance or mixture and uses advised against	Cleaning agent
1.3 Details of the supplier of the safety data sheet Address	Synteko AB Olof Wijksväg 9, Jörlanda, Sweden, Tel. +46 303 563 30 www.synteko.com info@synteko.com
Telephone/Telefax	
Homepage/E-mail	
1.4 Emergency telephone number	+46 (0)8-331231 Poison information

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification CLP (1272/2008/EC)

Eye irritation- Category 2; H319

2.2 Label elements:

Pictogram



Signal Word: Warning

Containing substances:

Acid 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 Remover

Date 2019-03-13

Revision 2

SECTION 3: Composition/information on ingredients

3.2 Chemical composition: Mixture

Components	CAS-No EC-No Reg-No	Conc.%	Hazard Class & Category Code*	Hazard statement Code(s)*
2-(2-butoxyethoxy)ethanol	112-34-5 203-961-6 01-2119475104-44-xxxx	1-5	Eye Irrit. 2	H319
propan-2-ol	67-63-0 200-661-7 01-2119457558-25-xxxx	1-<5	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336
Alcohols, C12-14 (even numbered), ethoxylated	68439-50-9 932-106-6	1- <3	Acute Tox. 4 Eye Dam. 1 Aquatic Chronic 3	H302 H318 H412
2-Aminoethanol	141-43-5 205-483-3 01-2119486455-28-xxxx	<1	Acute Tox. 4 Acute Tox. 4 Acute Tox. 4 Skin Corr. 1B STOT Single 3	H302 H312 H332 H314 H335
Trisodium nitrilotriacetate	18662-53-8 225-768-6	<1	Acute Tox. 4 Eye Irrit. 2 Carc. 2	H302 H319 H351

* The full text of Hazard statement Codes are listed under section 16.

The classification is based on data from the chemical supplier and www.echa.europa.eu (databases)
Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels.

SECTION 4: First aid measures

4.1 Description of first aid measures:

General information

Never give fluids or induce vomiting if patient is unconscious.

Keep person warm and calm. In all cases of doubt, or when symptoms persist, seek medical advice.

Inhalation

Fresh air.

Skin contact

Wash with soap and water and rinse the skin thoroughly.

Eye contact

Rinse immediately with water for at least 10 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.

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

Inhalation: May cause mild irritation by inhalation.

Skin contact: May cause irritation by prolonged or repeated exposure. (pain, redness)

Eye contact: Irritating to eyes. (Pain, redness)

Ingestion: Ingestion may cause nausea and discomfort. (pain)

Synteko Remover

Date 2019-03-13

Revision 2

4.3 Indication of any immediate medical attention and special treatment needed

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Foam, powder, carbon dioxide, water spray, fog or mist.

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

Wear appropriate breathing apparatus and protective clothing.

5.4 Additional information

Cool endangered containers with water in case of fire.

Move containers from fire area if it can be done without risk.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Avoid contact with eyes.

Ensure adequate ventilation. Avoid breathing vapours.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Small quantities may be wiped up with a cloth. Contain larger spill with inert material. Absorb in vermiculite, dry sand or earth. Flush afterwards with water.

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

Normal precautions taken when handling chemicals should be observed.

Comply with the health and safety at work laws.

Use personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed container.

7.3 Specific end use(s)

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Synteko Remover

Date 2019-03-13

Revision 2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Appropriate engineering controls

Provide adequate ventilation.
Provide eyewash station.

Swedish limit values (AFS 2015:7) or limit values according to the European commission

Substance	CAS-No	Level limit value	Short time value	Note
2-(2-butoxyethoxy)ethanol	112-34-5	10 ppm 68 mg/m ³	15 ppm 101 mg/m ³	
propan-2-ol	67-63-0	150 ppm 350 mg/m ³	250 ppm 600 mg/m ³	V
2-Aminoethanol	141-43-5	1 ppm 2,5 mg/m ³	3 ppm 7,5 mg/m ³	H

Explanation note:

V= An indicative short-term threshold

H = Substance can easily be absorbed through the skin.

DNEL

2-(2-butoxyethoxy)ethanol (112-34-5)	Short term exposure - Workers Local effects, inhalation: 101.2 mg/m ³ 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 ³ Short term exposure - Consumers Local effects, inhalation: 50.6 mg/m ³ Exposure - Consumers Effects, dermal: 10 mg/kg
2-Aminoethanol (141-43-5)	Long term exposure - Workers Systematic effects, dermal: 1 mg/kg/day Long term exposure - Workers Systematic effects, inhalation: 3.3 mg/kg/day Long term exposure - Workers Local effects, inhalation: 3.3 mg/kg/day Long term exposure - Consumers Systematic effects, dermal: 0.24 mg/kg/day Long term exposure - Consumers Systematic effects, inhalation: 2 mg/kg/day Long term exposure - Consumers Local effects, inhalation: 2 mg/kg/day

Synteko Remover

Date 2019-03-13

Revision 2

	Long term exposure - Consumers Systematic effects, oral: 3.75 mg/kg/day
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SECTION 8: Exposure controls/personal protection

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

2-Aminoethanol (141-43-5)	0.085 mg/l	Freshwater
2-Aminoethanol (141-43-5)	0.0085 mg/l	Seawater
2-Aminoethanol (141-43-5)	0.025 mg/l	Intermittent release
2-Aminoethanol (141-43-5)	0.425 mg/kg	Wet sediment (Freshwater)
2-Aminoethanol (141-43-5)	0.0425 mg/kg	Wet sediment (Seawater)
2-Aminoethanol (141-43-5)	0.035 mg/kg	Soil
2-Aminoethanol (141-43-5)	100 mg/l	STP

8.2 Exposure controls

General protective and hygiene measures

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

The usual precautionary measures for the handling of chemicals have to be observed.

Individual protection measures, such as personal protective equipment

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

Respiratory protection

Normally not needed.

In inadequately ventilated places or in case of creation of aerosols, wear suitable respiratory equipment approved for this purpose.

Eye protection

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

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. (for ex. Nitrile rubber, Butyl rubber)

Body protection

Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Liquid
Colour:	Blue
Odour:	Mild citrus
Odour threshold:	Not determined
pH :	Ca 10
Melting point/freezing point (°C):	Not determined
Initial boiling point and boiling range(°C):	100
Flash point(°C):	Not determined
Evaporation rate(°C):	Not determined
Flammability (solid, gas):	Not determined
Upper flammability or explosive limits:	Not determined

Synteko Remover

Date 2019-03-13

Revision 2

Lower flammability or explosive limits:	Not determined
Vapour pressure(20°C):	Not determined
Vapour density:	Not determined

SECTION 9: Physical and chemical properties (...)

Relative density:	1,05 kg/l
Solubility in water:	Soluble
Solubility in organic solvents:	Not soluble
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Not explosive
Oxidising properties:	No

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 under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions

No known.

10.4 Conditions to avoid

No known.

10.5 Incompatible materials

No known.

10.6 Hazardous decomposition products

No hazardous decompositions products known under recommended handling conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

Inhalation

May cause mild irritation by inhalation.

Skin contact

May cause irritation by prolonged or repeated exposure.

Eye contact

Irritant.

Ingestion

Ingestion may cause nausea and discomfort.

Toxicology data

Information about this preparation is not available.

Synteko Remover

Date 2019-03-13

Revision 2

SECTION 11: Toxicological information (...)

Toxicology data for the containing components

2-(2-butoxyethoxy)ethanol (112-34-5)	LD ₅₀ Oral rat: >2000 mg/kg LD ₅₀ Dermal rabbit: >2000 mg/kg
propan-2-ol (67-63-0)	LD ₅₀ Oral rat: 5840 mg/kg LC ₅₀ Inhaled 4h: 76,2 mg/l LD ₅₀ Dermal rat: >12800 mg/kg
Alcohols, C12-14 (even numbered), ethoxylated (68439-50-9)	LD ₅₀ Oral rat: 500 mg/kg (ATE) LD ₅₀ Dermal rabbit: >2000 mg/kg
2-Aminoethanol (141-43-5)	LD ₅₀ Oral rat: 1515 mg/kg LD ₅₀ Dermal rabbit: 2504 mg/kg
Trisodium nitrilotriacetate (18662-53-8)	LD ₅₀ Oral rat: 1450 mg/kg

STOT-single exposure -repeated exposure.

No known.

Routes of exposure

Inhalation, eyes and skin, 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.

Aspiration hazard

No

Other information

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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

Information about this preparation is not available.

Synteko Remover

Date 2019-03-13

Revision 2

SECTION 12: Ecological information

Toxicology data for the containing components:

2-(2-butoxyethoxy)ethanol (112-34-5)	LC ₅₀ Fish: >1300 mg/l Sp: Lepomis macrochirus EC ₅₀ Algae: >100 mg/l Sp: Desmodesmus subspicatus EC ₅₀ Daphnia 48h: >100 mg/l Sp: D. magna
propan-2-ol (67-63-0)	LC ₅₀ Fish 96h: 9640 mg/l Sp: Pimephales promelas IC ₅₀ Algae 7 d: 1800 mg/l Sp: Scenedesmus subspicatus EC ₅₀ Daphnia 24h: >1000 mg/l Sp: D. magna
Alcohols, C12-14 (even numbered), ethoxylated (68439-50-9)	LC ₅₀ Fish 96h: >1-10 mg/l Sp: Cyprinus carpio EC ₅₀ Daphnia 48h: >1-10 mg/l Sp: Daphnia magna EC ₅₀ Algae 72h: >1-10 mg/l Sp: Desmodesmus subspicatus EC ₁₀ Algae 72h: >0,1-1 mg/l Sp: Scenedesmus subspicatus EC ₅₀ Bacteria activated sludge: 140 mg/l NOEC: 10 mg/kg; Lepidium sativum
2-Aminoethanol (141-43-5)	LC ₅₀ Fish 96h: 349 mg/l Sp: Cyprinus carpio LC ₅₀ Fish 96h: 170 mg/l Sp: Carassius auratus EC ₅₀ Daphnia 48h: 65 mg/l Sp: Daphnia magna EC ₅₀ Algae 72h: 2.5 mg/l Sp: Selenastrum capricornutum EC ₅₀ Algae 72h: 22 mg/l Sp: Scenedesmus subspicatus EC ₂₀ Bacteria 30 min: >1000 mg/l Sp: Activated sludge EC ₅₀ Bacteria 3h: >1000 mg/l Sp: Activated sludge NOEC Daphnia 21 days: 0.85 mg/l Sp: Daphnia magna
Trisodium nitrilotriacetate (18662-53-8)	LC ₅₀ Fisk 96h: 98 mg/l Art: (Rainbow trout(Oncorhynchus mykiss)) LC ₅₀ Fisk 96h: 312 mg/l Art: (Bluegill sunfish (Lepomis macrochirus)) EC ₅₀ Daphnia 48h: 780 mg/l Art: Daphnia magna IC ₅₀ Alger 72h: 331 mg/l Art: Navicula sp. IC ₅₀ Alger 72h: 780 mg/l Art: Chlorella vulgaris

12.2 Persistence and degradability

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

Propan-2-ol (67-63-0) - Readily biodegradable.

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

2-Aminoethanol (141-43-5) - Readily biodegradable.

Trisodium nitrilotriacetate (18662-53-8) - Readily biodegradable.

12.3 Bioaccumulative potential

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

Does not bioaccumulate. - Propan-2-ol (67-63-0)

Not expected to bioaccumulate - Alcohols, C12-14, ethoxylated (68439-50-9)

Not expected to bioaccumulate. - 2-Aminoethanol (141-43-5)

Does not bioaccumulate. - Trisodium nitrilotriacetate (18662-53-8)

12.4 Mobility in soil

Soluble in water.

12.5 Results of PBT and vPvB assessment

This product is not considered to contain any substances meeting the regulations of PBT- or vPvB classification.

12.6 Other adverse effects

No known

Synteko Remover

Date 2019-03-13

Revision 2

SECTION 13: Disposal considerations

13.1 Waste treatment methods

This product or residues of this product are classified as hazardous waste.

Dispose of in accordance with local authority requirements.

EWC- code: Depends on line of business and use.

Suggested EWC-code 20 01 29* detergents containing dangerous substances

Disposal of Packaging

Well cleaned packaging could be left for recycling

SECTION 14: Transport information

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

14.1 UN number

-

14.2 UN proper shipping name

-

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 MARPOL 73/78 and the IBC Code

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LQ

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Tunnel restriction code

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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 Hazard statement codes listed under section 3:

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

Synteko Remover

Date 2019-03-13

Revision 2

H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H412 Harmful to aquatic life with long lasting effects.

SECTION 16: Other information

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.

Sources

Safety data sheet provided by the manufacturer. CLP-regulation, www.kemi.se, www.echa.europa.eu (Databases)

Revision 1: 2016-09-08

Safety data sheet according to Regulation (EC) No. 1907/2006 and (EG) 830/2015.

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

EC₅₀: Effect Concentration

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

IMDG: International Maritime Dangerous Goods Code.

LC₅₀: Lethal Concentration

LD₅₀: Lethal Dose

IC₅₀: 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.