

SAFETY DATA SHEET**Synteko Zero**

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 01.07.2021

Revision date 20.08.2021

1.1. Product identifier

Product name Synteko Zero

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

Use of the substance / preparation Waterborne wood floor finish.

1.3. Details of the supplier of the safety data sheet

Company name Synteko AB

Postal address Olof Wijksväg 9

Postcode SE-444 65

City Jörlanda

Country Sverige

Telephone number 0046 303-563 30

Fax 0046 303-563 32

Email info@synteko.com

Website <http://www.synteko.com>

Contact person Jörgen Kaldemark

1.4. Emergency telephone number

Emergency telephone Telephone number: 1-800-424-9300
Description: In case of medical emergency call

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****2.2. Label elements**

Composition on the label	Dipropylenglycol monomethyl ether (DPM) 1 ≥ 5, Dipropylenglykol n-butyleter 0,1 ≥ 1
Supplemental label information	EUH208: Containe 1,2-benzisotiazol-3(2H)-on [EG nr. 220-120-9]. May causes an allergic reaction. Safety data sheet available on request.

2.3. Other hazards

Other hazards	When spray applying see section 8.
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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Dipropylenglycol monomethyl ether (DPM)	CAS No.: 34590-94-8 EC No.: 252-104-2		1 ≥ 5	
Dipropylenglykol n-butyleter	CAS No.: 29911-28-2 EC No.: 249-951-5 REACH Reg. No.: 01-2119451543-42-0000		0,1 ≥ 1	

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person.
Inhalation	Use with adequate ventilation.
Skin contact	Remove/Take off immediately all contaminated clothing. IF ON SKIN: Wash with plenty of soap and water. Do NOT use solvents or thinners.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell.
Ingestion	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

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

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Recommended extinguishing media : alcohol resistant foam, CO2, powders, water spray. Do not use water jet.
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Fire will produce dense black smoke. Decomposition products can be hazardous. At high temperatures create: Carbon monoxide (CO), carbon dioxide (CO2), smoke, nitrogen gases (NOx).
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5.3. Advice for firefighters

Personal protective equipment	Wear respiratory protection.
Other information	Eliminate all ignition sources if safe to do so. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	See section 7 and 8.
Personal protection measures	In case of inadequate ventilation wear respiratory protection. Wear fire / flame resistant / retardant clothing. Use personal protective equipment as required. Wear cold insulating gloves / face shield / eye protection. Wear protective gloves / protective clothing / eye protection / face protection. Avoid breathing dust / fume / gas / mist / vapours / spray. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/ attention if you feel unwell.

6.2. Environmental precautions

Environmental precautionary measures	Collect spillage. Avoid release to the environment. If the product contaminates lakes, rivers or sewers, inform appropriate authorities in accordance with local regulations.
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6.3. Methods and material for containment and cleaning up

Containment	Collect spillage. Avoid release to the environment.
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6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Avoid spilling, skin- and eye contact. Avoid breathing dust / fume / gas / mist / vapours / spray. Avoid breathing dust.
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Protective safety measures

Protective safety measures	Smoking, eating and drinking is forbidden in application area. Remove contaminated clothing and protective gear before you get to an area where meals are taken.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Keep only in original container. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Protect from sunlight. Store in a dry place. Tillse att gällande arbetsmiljölågstiftning följs.
Conditions to avoid	Keep away from heat / sparks / open flames / hot surfaces. — No smoking. Protect from sunlight. Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. Prevent unauthorized access.

Conditions for safe storage

Storage temperature	Value: 5 – 25 Celsius
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7.3. Specific end use(s)

Recommendations	Do not handle until all safety precautions have been read and understood.
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SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Dipropyleneglycol monomethyl ether (DPM)	CAS No.: 34590-94-8	Limit value type: NGV Limit value (8 h) : 50 ppm Limit value (short term) Appraisal period: 8 timmar Source: AFS 2015:7 (Sweden 12/2015) . Absorbed through the skin Limit value type: NGV Limit value (8 h) : 300 mg/ m3 Limit value (short term) Appraisal period: 8 timmar Source: AFS 2015:7 (Sweden 12/2015) . Absorbed through the skin Limit value (short term) Value: 75 ppm Limit value (short term) Appraisal period: 15 minuter Source: AFS 2015:7 (Sweden 12/2015) . Absorbed through the skin Limit value (short term) Value: 450 mg/m3 Limit value (short term) Appraisal period: 15 minuter Source: AFS 2015:7 (Sweden 12/2015) . Absorbed through the skin	
Dipropylenglykol n-butyleter	CAS No.: 29911-28-2	Limit value (8 h) : 10 mg/ m3 Exposure limit letter Letter description: Dow IHG Source: NGV aerosol	

DNEL / PNEC

Substance	Dipropylenglykol n-butyleter
DNEL	Group: Worker

Route of exposure: Long term (repeated) – Dermal – Systemic effect
Value: 1,1 mg/kg/body weight/day

Group: Worker

Route of exposure: Short term (acute) – Oral – Systemic effect

Reference: Not applicable.

Group: Worker

Route of exposure: Short term (acute) – Inhalation – Systemic effect

Reference: Not applicable.

Group: Consumer

Route of exposure: Long term (repeated) – Inhalation – Local effect

Reference: Not applicable.

Group: Consumer

Route of exposure: Long term (repeated) – Dermal – Local effect

Reference: Not applicable.

Group: Consumer

Route of exposure: Long term (repeated) – Inhalation – Systemic effect

Value: 10 mg/m³

Group: Consumer

Route of exposure: Long term (repeated) – Dermal – Systemic effect

Value: 3 mg/kg/body weight/day

Group: Consumer

Route of exposure: Short term (acute) – Inhalation – Local effect

Reference: Not applicable.

Group: Consumer

Route of exposure: Short term (acute) – Dermal – Local effect

Reference: Not applicable.

Group: Consumer

Route of exposure: Short term (acute) – Inhalation – Systemic effect

Reference: Not applicable.

Group: Consumer

Route of exposure: Short term (acute) – Dermal – Systemic effect

Reference: Not applicable.

Group: Worker

Route of exposure: Long term (repeated) – Inhalation – Local effect

Reference: Not applicable.

Group: Worker

Route of exposure: Long term (repeated) – Dermal – Local effect

Reference: Not applicable.

Group: Worker

Route of exposure: Long term (repeated) – Oral – Systemic effect

Value: 7,5 mg/kg/body weight/day

Group: Worker

Route of exposure: Long term (repeated) – Inhalation – Systemic effect

PNEC	Value: 1,2 mg/m ³
	Group: Worker
	Route of exposure: Short term (acute) – Inhalation – Local effect
	Reference: Not applicable.
	Group: Worker
	Route of exposure: Short term (acute) – Dermal – Local effect
	Reference: Not applicable.
	Group: Worker
	Route of exposure: Short term (acute) – Dermal – Systemic effect
	Reference: No applicable
	Group: Consumer
	Route of exposure: Soil
	Value: 0,287 mg/kg d.w.
	Group: Consumer
	Route of exposure: Freshwater sediments
	Value: 2,96 mg/kg d.w.
	Group: Consumer
	Route of exposure: Freshwater
	Value: 0,519 mg/l
	Group: Consumer
	Route of exposure: Saltwater
	Value: 0,519 mg/l
	Group: Consumer
	Route of exposure: Saltwater sediments
	Value: 0,296 mg/kg d.w.

8.2. Exposure controls

Precautionary measures to prevent exposure

Appropriate engineering controls	Use with adequate ventilation. If possible this should be achieved by local extraction and good exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory equipment.
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Eye / face protection

Suitable eye protection	Wear cold insulating gloves / face shield / eye protection.
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Hand protection

Skin- / hand protection, long term contact	For prolonged or repeated contact use gloves made of butyl rubber.
Suitable materials	Barrier creams may help to protect the skin, but they should however not be used once exposure has occurred.

Respiratory protection

Additional respiratory protection measures	When spraying, use half-or full face mask with filter P2 (Iib) to spray.
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Appropriate environmental exposure control

Safety measures for consumer use of the chemical	Read label before use.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Odour	Faint.
Substance	Dipropyleneglycol monomethyl ether (DPM)
Odour	Karakteristisk
Substance	Dipropylenglykol n-butyleter
Odour	As ether
Odour limit	Comments: Not applicable.
pH	Status: In delivery state Comments: Not determined.
	Status: In aqueous solution Comments: Not determined .
Melting point / melting range	Comments: Not determined.
Boiling point / boiling range	Comments: Not determined.
Flash point	Value: 105 °C
Evaporation rate	Comments: Not determined.
Flammability	Not determined
Lower explosion limit with unit of measurement	Value: 0,8 %
Upper explosion limit with units of measurement	Value: 9,4 %
Vapour pressure	Comments: Not determined.
Vapour density	Comments: Not determined.
Relative density	Value: 1,05 g/ml Method: ASTM6450 Temperature: 23 °C
Partition coefficient: n-octanol/ water	Comments: Not applicable.
Viscosity	Comments: Not determined. Does not affect the assessment.
Explosive properties	Not explosive.
Oxidising properties	Not Oxidising.

9.2. Other information

Physical hazards

Content of VOC	Value: 44 g/l Comments: Initial cookpoint less than or equal to 250 grad Celsius.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No reactive.
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10.2. Chemical stability

Stability	Stable under recommended storage and handling conditions (see section 7).
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No dangerous if handled according to Technical Information.
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10.4. Conditions to avoid

Conditions to avoid	No applicable.
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10.5. Incompatible materials

Materials to avoid	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reaction.
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10.6. Hazardous decomposition products

Hazardous decomposition products	When exposed to high temperature may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Dipropylenglycol monomethyl ether (DPM)
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Acute toxicity	Type of toxicity: Acute
	Effect tested: LD50
	Route of exposure: Oral
	Value: 5,5 mL/kg
	Animal test species: Rat Rabbit

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Dermal
Value: 10 ml/kg
Animal test species: Rabbit

Substance	Dipropylenglykol n-butyleter
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Acute toxicity	Type of toxicity: Acute
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Effect tested: LD50
Route of exposure: Oral
Value: 3700 mg/kg
Animal test species: Rat

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Dermal
Value: 2000 mg/kg
Animal test species: Rat

Type of toxicity: Acute
Effect tested: LC50
Route of exposure: Inhalation.
Duration: 4 h
Value: > 2.04 mg/l
Animal test species: Rat
Test reference: Aerosol
Comments: No mortality was observed at this concentration.

Other information regarding health hazards

Skin corrosion / irritation, other information	No information available.
Eye damage or irritation other information	If splashed in the eyes, the liquid may cause irritation and reversible damage.
General respiratory or skin sensitisation	Prolonged or repeated contact may defat the skin, resulting in non-allergic contact eczema and absorption through the skin.
Inhalation	May cause drowsiness or dizziness.
Ingestion	Ingestion may cause nausea and vomiting.
Germ cell mutagenicity, human experience	No information available.
Carcinogenicity human experience	No information is available.
Reproductive toxicity	No information available.
Aspiration hazard, comments	When applying see section 8.

11.2 Other information

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity, fish	Comments: Not expected to be toxic to aquatic life.
Substance	Dipropylenglykol n-butyleter
Aquatic toxicity, fish	Value: 841 mg/l Test duration: 96 h Species: Guppy (Poecilia reticulata) Method: LC50 Test reference: Statistisk

Substance	Dipropylenglykol n-butyleter
Aquatic toxicity, crustacean	Value: > 1000 mg/l Test duration: 48 h Species: Daphnia magna Method: LC50 Test reference: immobilisation.

12.2. Persistence and degradability

Persistence and degradability description/evaluation	Not determined.
Substance	Dipropylenglykol n-butyleter
Biodegradability	Comments: Material is readily biodegradable. Passes OECD test for biodegradability. The material is completely biodegradable. More than 70% mineralization in OECD test for natural biodegradation.

12.3. Bioaccumulative potential

Substance	Dipropylenglykol n-butyleter
Bioconcentration factor (BCF)	Value: < 100 Comments: Bioconcentration potential is low.

12.4. Mobility in soil

Mobility	Soluble in water.
Substance	Dipropylenglykol n-butyleter
Henry's constant	Value: 3,78E-07 Comments: atm*m3/mole ; appreciated
Substance	Dipropylenglykol n-butyleter
Soil / air volatility rate	Comments: Potential for mobility in soil is very high (Conc between 0 and 50)

12.5. Results of PBT and vPvB assessment

Substance	Dipropylenglykol n-butyleter
PBT assessment results	This substance is not considered to be persistent, bioaccumulative and toxic (PBT).
Substance	Dipropylenglykol n-butyleter
vPvB evaluation results	The substance is not considered to be very persistent and very bioaccumulative (vPvB).

12.6. Endocrine disrupting properties

12.7. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Wastes and empty containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Collect spillage. Avoid release to the environment.
EWC waste code	EWC waste code: 080112 waste paint and varnish other than those mentioned in 08 01 11 Classified as hazardous waste: No

SECTION 14: Transport information

14.1. UN number

Comments	Not dangerous goods. Transport in accordance with national law and ADR for road, RID for rail, IMDG for sea and ICAO / IATA for air. For complete information on transport, see transport document.
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14.2. UN proper shipping name

ADR/RID/ADN	--
IMDG	--
ICAO/IATA	--

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

IMDG Marine pollutant	Nej
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14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

VOC	VOC percent by weight: ~ VOC value: 4,3 %
Legislation and regulations	The labeling of the product according to EC directives 67/548/EEC, 1999/45/EC, see section 2. Classification and labeling of substances under Directive 67/548/EC, 1999/45/EC, see section 3. Classification and labeling of substances according to Regulation (EC) 1272/2008 (CLP) is in section 3. Safety data sheet is designed according to EU Commission Regulation No. 1907/2006.

15.2. Chemical safety assessment

Chemical safety assessment performed	No
Substance	Dipropylenglykol n-butyleter
Chemical safety assessment performed	No

SECTION 16: Other information

Version	2
Comments	The information of this SDS is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfill the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product : it is not to be considered as a guarantee of the products' properties.