

SAFETY DATA SHEET ACCORDING TO REGULATION (EC) 1907/2006

Product name: Longs Plastic Cleaner

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name

Longs Plastic Cleaner

Product code

[VSSK9505L]



<https://my.chemius.net/p/z4iROA/en/pd/en>

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

Relevant identified uses

No information.

Uses advised against

No information.

1.3 Details of the supplier of the safety data sheet

Supplier

AKB Longs B.V.

Energieweg 50

2382NN Zoeterwoude, The Netherlands

+31715765200

1.4 Emergency Telephone Number

Emergency

112

Supplier

+31715765200

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Eye Dam. 1; H318 Causes serious eye damage.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]



Signal word: DANGER

H318 Causes serious eye damage.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
P403 + P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with national regulation.

Contains:
benzenesulfonic acid, C10-13-alkyl derivates, compounds with triethanolamine
butyl glycolate
Dodecan-1-ol, ethoxylated

2.3 Other hazards
PBT/vPvB
No information.
Endocrine disrupting properties
The product does not contain substances with the potential for endocrine disorders.
Additional information
No information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
For mixtures see 3.2.

3.2 Mixtures

Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits	Notes for substances
ethanol	64-17-5 200-578-6 603-002-00-5	5-10	Flam. Liq. 2; H225	/	/
benzenesulfonic acid, C10-13-alkyl derivates, compounds with triethanolamine	68411-31-4 270-116-6 -	5-10	Skin Irrit. 2; H315 Eye Dam. 1; H318	/	/
1-propoxypropan-2-ol	1569-01-3 216-372-4 -	5-10	Flam. Liq. 3; H226 Eye Irrit. 2; H319	/	/
2-(2-butoxyethoxy)ethanol	112-34-5 203-961-6 603-096-00-8	5-10	Eye Irrit. 2; H319	/	/
1-methoxy-2-propanol	107-98-2 203-539-1 603-064-00-3	5-10	Flam. Liq. 3; H226 STOT SE 3; H336	/	/
butyl glycolate	7397-62-8 230-991-7 - 01-2119514685-36	2.5-5	Eye Dam. 1; H318 Repr. 2; H361	/	/
Dodecan-1-ol, ethoxylated	9002-92-0 - -	0.1-1	Eye Dam. 1; H318	/	/

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. When it is suspected, that there may still be harmful vapours/fumes present in the air, respiratory protection (mask; self contained breathing apparatus) must be used. Wash contaminated clothing with water before removing or use gloves.

Following inhalation

Remove patient to fresh air - move out of dangerous area. In case of unconsciousness bring patient into stable side position and seek medical attention. If breathing is irregular or respiratory arrest occurs provide artificial respiration. Keep at rest in a position comfortable for breathing. Seek medical help immediately.

Following skin contact

Take off all contaminated clothing. Areas of the body that have come into contact with the product must be rinsed with water. Immediately obtain professional medical help!

Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. After 5 minutes of rinsing, remove contact lenses, if present, and continue rinsing. Consult a physician immediately!

Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Immediately consult a doctor. Show the physician the safety data sheet or label.

4.2 Most important symptoms and effects, both acute and delayed

Following inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation.

Following skin contact

Skin burns: Signs/symptoms may include localised redness, swelling, itching, dryness, blistering.

Following eye contact

Redness, pain, burning sensation, tearing, can cause permanent damage to the eyes.

Following ingestion

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort. If ingested, may cause burns of the mouth and throat, as well as perforation of the esophagus and stomach.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

Unsuitable extinguishing media

Full water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke.

5.3 Advice for firefighters

Protective actions

In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without

suitable training. Prolonged heating can cause an explosion. Vapours can form explosive mixtures with air. Cool containers at risk with water spray. If possible remove containers from endangered area.

Special protective equipment for fire-fighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (BS EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (BS EN 137).

Additional information

Contaminated firefighting water and fire residues must be disposed of in accordance with the local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment

No information.

Precautionary measures

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking!

Emergency procedures

No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Evacuate the danger zone. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

For emergency responders

Use personal protective equipment.

6.2 Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant authorities.

6.3 Methods and material for containment and cleaning up

For containment

Stem the spill if this does not pose risks.

For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Use only explosion-proof instruments and equipment. Use spark-proof tools. Prevent release into the sewer, water, basements or confined areas. Ventilate the premises. Clean contaminated area with plenty of water.

Other information

No information.

6.4 Reference to other sections

See also sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Protective measures

Measures to prevent fire

Ensure adequate ventilation. Keep away from sources of ignition - no smoking. Use spark-proof tools. Take precautionary measures against static discharges. Vapours are heavier than air and spread along the floor. They form explosive mixtures with air.

Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

Measures to protect the environment

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

Other measures

No information.

Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep in a cool, dry and well ventilated place. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs. Keep away from oxidising substances. Keep away from sources of ignition - no smoking.

Packaging materials

Store only in original container.

Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

Storage temperature

No information.

Storage class

No information.

Further information on storage conditions

No information.

7.3 Specific end use(s)**Recommendations**

No information.

Industrial sector specific solutions

No information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****Occupational Exposure limit values**

Name	mg/m ³	ml/m ³	Short-term value mg/m ³	Short-term value ml/m ³	Remark	Biological Tolerance Values
ethanol	1900	1000	/	/	/	/
1-Methoxypropan-2-ol (107-98-2)	375	100	560	150	Sk	/
2-(2-Butoxyethoxy) ethanol (112-34-5)	67.5	10	101.2	15	/	/
Ethanol (64-17-5)	1920	1000	/	/	/	/

Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

DNEL/DMEL values**For product**

No information.

For components

Name	Type	Exposure route	exp. frequency	Remark	value
butyl glycolate	Worker	dermal	long term systemic effects	/	34 mg/kg bw/day
butyl glycolate	Worker	inhalation	long term systemic effects	/	21.2 mg/m ³
butyl glycolate	Consumer	oral	long term systemic effects	/	2 mg/kg bw/day
butyl glycolate	Consumer	dermal	long term systemic effects	/	20.8 mg/kg bw/day
butyl glycolate	Consumer	inhalation	long term systemic effects	/	43.5 mg/m ³
butyl glycolate	Consumer	dermal	long term local effects	/	0.28 mg/cm ²
butyl glycolate	Consumer	inhalation	long term local effects	/	43.5 mg/m ³
ethanol	Worker	inhalation	long term systemic effects	/	950 mg/m ³
ethanol	Worker	dermal	long term systemic effects	/	343 mg/kg bw/day
ethanol	Consumer	inhalation	long term systemic effects	/	114 mg/m ³
ethanol	Consumer	dermal	long term systemic effects	/	206 mg/kg bw/day
ethanol	Consumer	oral	long term systemic effects	/	87 mg/kg bw/day
1-methoxy-2-propanol	Worker	dermal	long term systemic effects	/	18.1 mg/kg
1-methoxy-2-propanol	Worker	inhalation	long term systemic effects	/	43.9 mg/m ³
1-methoxy-2-propanol	Worker	oral	long term systemic effects	/	3.3 mg/kg
1-methoxy-2-propanol	Consumer	inhalation	short term systemic effects	/	553.5 mg/m ³
1-methoxy-2-propanol	Consumer	dermal	long term systemic effects	/	50.6 mg/kg
1-methoxy-2-propanol	Consumer	inhalation	long term systemic effects	/	369 mg/m ³
2-(2-butoxyethoxy)ethanol	Worker	inhalation	long term systemic effects	/	mg/m ³
2-(2-butoxyethoxy)ethanol	Worker	inhalation	long term local effects	/	mg/m ³
2-(2-butoxyethoxy)ethanol	Worker	inhalation	short term local effects	/	mg/m ³
2-(2-butoxyethoxy)ethanol	Worker	dermal	long term systemic effects	/	mg/kg bw/day
2-(2-butoxyethoxy)ethanol	Consumer	inhalation	long term systemic effects	/	mg/m ³
2-(2-butoxyethoxy)ethanol	Consumer	inhalation	long term local effects	/	mg/m ³
2-(2-butoxyethoxy)ethanol	Consumer	dermal	long term systemic effects	/	mg/kg bw/day
2-(2-butoxyethoxy)ethanol	Consumer	oral	long term systemic effects	/	mg/kg bw/day

PNEC values

For product

No information.

For components

Name	Exposure route	Remark	value
butyl glycolate	fresh water	/	0.05 mg/L
butyl glycolate	soil	dry weight	0.0112 mg/kg
butyl glycolate	fresh water sediment	/	0.203 mg/kg
butyl glycolate	water treatment plant	/	232 mg/L

ethanol	fresh water	/	0.96 mg/L
ethanol	water, intermittent release	fresh water	2.75 mg/L
ethanol	marine water	/	0.79 mg/L
ethanol	water treatment plant	/	580 mg/L
ethanol	fresh water sediment	dry weight	3.6 mg/kg
ethanol	marine water sediment	dry weight	2.9 mg/kg
ethanol	soil	dry weight	0.63 mg/kg
ethanol	food chain	oral	380 mg/kg feed
1-methoxy-2-propanol	fresh water	/	10 mg/L
1-methoxy-2-propanol	marine water	/	1 mg/L
1-methoxy-2-propanol	water, intermittent release	/	100 mg/L
1-methoxy-2-propanol	water treatment plant	/	100 mg/L
1-methoxy-2-propanol	fresh water sediment	/	52.3 mg/kg
1-methoxy-2-propanol	marine water sediment	/	5.2 mg/kg
1-methoxy-2-propanol	soil	/	4.59 mg/kg
2-(2-butoxyethoxy)ethanol	fresh water	/	mg/L
2-(2-butoxyethoxy)ethanol	water, intermittent release	fresh water	mg/L
2-(2-butoxyethoxy)ethanol	marine water	/	mg/L
2-(2-butoxyethoxy)ethanol	water treatment plant	/	mg/L
2-(2-butoxyethoxy)ethanol	fresh water sediment	dry weight	mg/kg
2-(2-butoxyethoxy)ethanol	marine water sediment	dry weight	mg/kg
2-(2-butoxyethoxy)ethanol	soil	dry weight	mg/kg
2-(2-butoxyethoxy)ethanol	food chain	oral	mg/kg feed

8.2 Exposure controls

Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols.

Structural measures to prevent exposure

No information.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse. Keep eyewash bottles or personal eyewash units and emergency showers available.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

Personal protective equipment

Eye and face protection

Wear tight fitting protective goggles and/or face protection (EN 166).

Hand protection

Protective gloves (EN ISO 374-1:2016). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. 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. The penetration time is determined by the protective glove manufacturer and must be observed.

Appropriate materials

Skin protection

Protective antistatic clothing EN 1149 (1:2006, 2:1998 and 3:2004, 5:2008), protective antistatic shoes (EN 20345:2012). At high risk of skin exposure chemical suits (EN 13034:2005+A1:2009) and boots may be required (EN ISO 20345:2022).

Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard BS EN 137, BS EN 138.

- Thermal hazards
- No information.
- Environmental exposure controls
- Substance/mixture related measures to prevent exposure
- No information.
- Instruction measures to prevent exposure
- No information.
- Organisational measures to prevent exposure
- No information.
- Technical measures to prevent exposure
- Do not allow product to reach drains, sewage systems or ground water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Important health, safety and environmental information

Physical state	liquid
Shape	clear
Colour	colourless
Odour	characteristic
Odour threshold	no data available
Melting/freezing point	No data available.
Boiling point or initial boiling point and boiling range	100 °C at 1013 hPa
Flammability (solid, gas)	Not flammable.
Explosion limits (vol%)	No information.
Flash point	60 °C (>212°F))
Auto-ignition temperature	No information.
Decomposition temperature	No information.
pH	7 at 20 °C
Viscosity	No information.
Solubility	No information.
Partition coefficient n-octanol/water (log value)	No information.
Vapour pressure	No information.
Density / weight	No information.
Relative vapour/gas density	No information.
Particle characteristics	No information.

9.2 Other information

Information with regard to physical hazard classes

Explosive properties	Product is not explosive.
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Other safety characteristics

Evaporation rate	no data available
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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No information.

10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

Vapours and air can form flammable or explosive mixtures.

10.4 Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks.

10.5 Incompatible materials

Oxidants.

10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

(a) Acute toxicity
For components

Name	Exposure route	Type	Species	Time	value	Method	Remark
benzenesulfonic acid, C10-13-alkyl derivates, compounds with triethanolamine	oral	LD ₅₀	rat	/	1080 mg/kg	/	/
1-propoxypropan-2-ol	oral	LD ₅₀	rat	/	3449 mg/kg	/	/
1-propoxypropan-2-ol	dermal	LD ₅₀	rabbit	/	3818 mg/kg	/	/
Dodecan-1-ol, ethoxylated	oral	LD ₅₀	rat	/	1500 - 2000 mg/kg	/	/
ethanol	dermal	LD ₅₀	rabbit	/	> 20000 mg/kg	/	/
ethanol	oral	LD ₅₀	rat	/	6200 mg/kg	/	/
1-methoxy-2-propanol	oral	LD ₅₀	rat	/	> 5000 mg/kg	/	/
1-methoxy-2-propanol	dermal	LD ₅₀	rabbit	/	11000 mg/kg	/	/
2-(2-butoxyethoxy)et hanol	oral	LD ₅₀	rat	/	3384 mg/kg	/	/
2-(2-butoxyethoxy)et hanol	dermal	LD ₅₀	rabbit	/	2700 mg/kg	/	/

Additional information

The product is not classified as acutely toxic.

(b) Skin corrosion/irritation

For components

Name	Species	Time	result	Method	Remark
butyl glycolate	rabbit	/	No irritant effect.	/	/
ethanol	/	/	Irritating.	/	/

(c) Serious eye damage/irritation

For components

Name	Exposure route	Species	Time	result	Method	Remark
butyl glycolate	/	rabbit	/	Danger of serious eye injury.	Directive 67/548/EEC, Annex V, B.5.	/
ethanol	/	/	/	Steam at high concentrations cause irritation.	/	/

Additional information

Causes serious eye damage.

(d) Respiratory or skin sensitisation

For components

Name	Exposure route	Species	Time	result	Method	Remark
ethanol	dermal	/	/	Non sensitising.	/	/

Additional information

The product is not classified as sensitising.

(e) (Germ cell) mutagenicity

For components

Name	Type	Species	Time	result	Method	Remark
ethanol	/	/	/	Negative.	OECD 473	/
ethanol	/	/	/	Negative.	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)	Read across
ethanol	/	mouse	/	Negative.	OECD 476	/
ethanol	/	Bacteria (<i>S. typhimurium</i>)	/	Negative.	OECD 471 (EU B. 12/13)	experimental value
ethanol	in-vitro mutagenicity	Cell: Mammalian-Animal	/	Negative.	/	/

(f) Carcinogenicity

For components

Name	Exposure route	Type	Species	Time	value	result	Method	Remark
ethanol	oral	NOAEL	rat	24 months	> 3000 mg/kg	/	OECD 451 Carcinogenicity Studies	/

(g) Reproductive toxicity

For components

Name	Reproductive toxicity type	Type	Species	Time	value	result	Method	Remark
butyl glycolate	/	-	/	/	/	A substance suspected of being toxic to human reproduction.	/	/
ethanol	/	NOAEL	rat	/	13800 mg/kg	/	/	oral
ethanol	Reproductive toxicity	NOAEL	rat	/	5200 mg/kg/day	/	/	/

Summary of evaluation of the CMR properties

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

(h) STOT-single exposure

For components

Name	Exposure route	Type	Species	Time	Exposure	organ	value	result	Method	Remark
ethanol	inhalation	/	/	/	/	/	/	Irritates respiratory system.	/	/

Additional information

STOT SE (single exposure): Not classified.

(i) STOT-repeated exposure

For components

Name	Exposure route	Type	Species	Time	Exposure	organ	value	result	Method	Remark
ethanol	oral	NOAEL	rat	90 days	/	/	1730 mg/kg/day	/	OECD 408	/
ethanol	inhalation	NOAL	rat	/	/	/	> 20 mg/L	/	OECD 403	/

Additional information

STOT RE (repeated exposure): Not classified.

(j) Aspiration hazard

For components

Name	result	Method	Remark
ethanol	It is not expected any risk of aspiration.	/	/

Additional information

Aspiration hazard: Not classified.

Symptoms related to the physical, chemical and toxicological characteristics

No information.

Interactive effects

No information.

11.2 Information on other hazards

Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

Other information

No information.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Acute (short-term) toxicity

For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
1-propoxypropan-2-ol	LC ₅₀	> 100 mg/L	4 days	fish	<i>Oncorhynchus mykiss</i>	/	/
1-propoxypropan-2-ol	LC ₅₀	> 100 mg/L	2 days	crustacea	<i>Daphnia magna</i>	/	/
1-propoxypropan-2-ol	LC ₅₀	3400 mg/L	/	fish	<i>Pimephales promelas</i>	/	/

1-propoxypropan-2-ol	EC50	1466 mg/L	4 days	algae	<i>Pseudokirchneriella subcapitata</i>	/	/
butyl glycolate	EC ₅₀	280 mg/L	24 h	crustacea	<i>Daphnia magna</i>	/	/
butyl glycolate	EC ₅₀	2320 mg/L	18 h	bacteria	<i>Pseudomonas putida</i>	/	/
ethanol	LC ₅₀	8140 mg/L	48 h	fish	/	/	/
ethanol	EC ₅₀	9268 - 14221 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
ethanol	EC ₅	65 mg/L	72 h	bacteria	/	/	/
1-methoxy-2-propanol	LC ₅₀	4600 - 10000 mg/L	96 h	fish	<i>Leuciscus idus</i>	/	/
1-methoxy-2-propanol	ErC ₅₀	> 1000 mg/L	72 h	algae	<i>Selenastrum capricornutum</i>	/	/
1-methoxy-2-propanol	EC ₅₀	> 500 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
2-(2-butoxyethoxy)ethanol	EC ₅₀	> 100 mg/L	96 h	algae	<i>Desmodesmus subspicatus</i>	/	/
2-(2-butoxyethoxy)ethanol	LC ₅₀	1300 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	/
2-(2-butoxyethoxy)ethanol	EC ₅₀	2850 mg/L	24 h	daphnia	<i>Daphnia magna</i>	/	/
2-(2-butoxyethoxy)ethanol	EC ₅₀	> 100 mg/L	48 h	daphnia	<i>Daphnia magna</i>	/	/

Chronic (long-term) toxicity

For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
butyl glycolate	NOEC	> 87.44 mg/l	7 days	algae	<i>Lemna gibba</i>	/	/
ethanol	IC ₅	5000 mg/l	7 days	algae	/	/	/
2-(2-butoxyethoxy)ethanol	NOEC	100 mg/l	4 days	algae	<i>Desmodesmus subspicatus</i>	/	ECHA

12.2 Persistence and degradability

Abiotic degradation, physical- and photo-chemical elimination

For components

Name	Environment	Type / Method	Half Time	Evaluation	Method	Remark
ethanol	Air	photodegradation	13.8 h	50%	/	Experimental value
ethanol	water	/	365 - 13140 days	/	half-life	Experimental value

Biodegradation

For components

Name	Type	Rate	Time	Evaluation	Method	Remark
1-propoxypropan-2-ol	biodegradability	/	/	rapidly biodegradable	/	/
butyl glycolate	-	81 %	28 days	readily biodegradable	OECD 301 B	/
ethanol	BOD (% ThOD)	84 % ThOD	20 days	/	/	/
ethanol	ThOD	2.1 mg/mg	/	/	/	/
ethanol	COD	1.99 mg/mg	/	/	/	/

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)

For components

Name	value	Temperature °C	pH	Concentration	Method
ethanol	0.3	/	/	/	/
1-methoxy-2-propanol	-0.437	/	/	/	/

Bioconcentration factor (BCF)

For components

Name	Species	organism	value	Duration	Evaluation	Method	Remark
ethanol	organism	/	0.3	/	/	/	/

12.4 Mobility in soil

Known or predicted distribution to environmental compartments

For components

Name	Air	Water	Soil	Sediment	(Aquatic) Biota	Method	Remark
ethanol	/	/	/	/	/	/	Mobile in soil.

Surface tension

For components

Name	value	Temperature °C	Concentration	Method	Remark
ethanol	23390 N/m	25	/	/	/

Adsorption/Desorption

For components

Name	Type	Criterion	value	Evaluation	Method	Remark
ethanol	Soil	log KOC	-0.31	/	/	/

12.5 Results of PBT and vPvB assessment

No evaluation.

12.6 Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

12.7 Other adverse effects

No information.

12.8 Additional information

For product

Product is not classified as dangerous for environment. Do not allow to reach ground water, water courses or sewage system.

For components

ethanol

Product is easily biodegradable.

2-(2-butoxyethoxy)ethanol

Water solubility: 1000 - 10000 mg/l.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / Packaging disposal
Waste chemical

Do not allow product to reach drains/sewage systems. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

Waste codes / waste designations according to LoW
No information.

Packaging
Deliver completely emptied containers to approved waste disposal authorities. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents. Uncleaned containers should not be perforated, cut or welded. Empty containers represent a fire hazard as they may contain flammable product residues and vapours.

Waste codes / waste designations according to LoW
No information.

Waste treatment-relevant information
No information.

Sewage disposal-relevant information
No information.

Other disposal recommendations
No information.

SECTION 14: TRANSPORT INFORMATION

ADR/RID	IMDG	IATA	ADN
14.1 UN number or ID number			
Not dangerous according to transport regulations.	Not dangerous according to transport regulations.	Not dangerous according to transport regulations.	Not dangerous according to transport regulations.
14.2 UN proper shipping name			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.3 Transport hazard class(es)			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.4 Packing group			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.5 Environmental hazards			
NO	NO	NO	NO
14.6 Special precautions for user			
Limited quantities Not given/not applicable	Limited quantities Not given/not applicable		Limited quantities Not given/not applicable
14.7 Maritime transport in bulk according to IMO instruments			
	Not given/not applicable		

SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)
- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)
not applicable

Ingredients according to Regulation (EC) No 648/2004 on detergents
No information.

Special instructions

Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION**Indication of changes**

No information.

Key literature references and sources for data

No information.

Abbreviations and acronyms

ATE - Acute Toxicity Estimate
 ADR - Agreement concerning the International Carriage of Dangerous Goods by Road
 ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 CEN - European Committee for Standardisation
 C&L - Classification and Labelling
 CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
 CAS# - Chemical Abstracts Service number
 CMR - Carcinogen, Mutagen, or Reproductive Toxicant
 CSA - Chemical Safety Assessment
 CSR - Chemical Safety Report
 DMEL - Derived Minimal Effect Level
 DNEL - Derived No Effect Level
 DPD - Dangerous Preparations Directive 1999/45/EC
 DSD - Dangerous Substances Directive 67/548/EEC
 DU - Downstream User
 EC - European Community
 ECHA - European Chemicals Agency
 EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
 EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
 EEC - European Economic Community
 EINECS - European Inventory of Existing Commercial Substances
 ELINCS - European List of notified Chemical Substances
 EN - European Standard
 EQS - Environmental Quality Standard
 EU - European Union
 Euphrac - European Phrase Catalogue
 EWC - European Waste Catalogue (replaced by LoW – see below)
 GES - Generic Exposure Scenario
 GHS - Globally Harmonized System
 IATA - International Air Transport Association
 ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
 IMDG - International Maritime Dangerous Goods
 IMSBC - International Maritime Solid Bulk Cargoes
 IT - Information Technology

IUCLID - International Uniform Chemical Information Database
IUPAC - International Union for Pure Applied Chemistry
JRC - Joint Research Centre
Kow - octanol-water partition coefficient
LC50 - Lethal Concentration to 50 % of a test population
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
LE - Legal Entity
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)
LR - Lead Registrant
M/I - Manufacturer / Importer
MS - Member States
MSDS - Material Safety Data Sheet
OC - Operational Conditions
OECD - Organization for Economic Co-operation and Development
OEL - Occupational Exposure Limit
OJ - Official Journal
OR - Only Representative
OSHA - European Agency for Safety and Health at work
PBT - Persistent, Bioaccumulative and Toxic substance
PEC - Predicted Effect Concentration
PNEC(s) - Predicted No Effect Concentration(s)
PPE - Personal Protection Equipment
(Q)SAR - Qualitative Structure Activity Relationship
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP - REACH Implementation Project
RMM - Risk Management Measure
SCBA - Self-Contained Breathing Apparatus
SDS - Safety data sheet
SIEF - Substance Information Exchange Forum
SME - Small and Medium sized Enterprises
STOT - Specific Target Organ Toxicity
(STOT) RE - Repeated Exposure
(STOT) SE - Single Exposure
SVHC - Substances of Very High Concern
UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative

List of relevant H phrases

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.