

PICO Amplification Core Kit

Kit cover sheet

Date of compilation: 2026-02-12

Composition/information on ingredients

Hazardous components (including safety data sheet)

Components	Product number	Number of pieces	Classification acc. to. GHS	Pictograms	Page
Additive L	PICO-000010 D	5	Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Aquatic Chronic 3 / H412		2-20

Ungefährliche Komponenten (kein Sicherheitsdatenblatt beigefügt)

Components	Product number	Number of pieces
Additive T	PICO-000010 A	1
Additive C	PICO-000010 B	5
BSA	PICO-000010 C	5
Coupling dPCR Mix	PICO-000010 E	1

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Additive L

Version number: 1.0

Revision: 2026-02-12

Replaces version of: -

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

1.1	Product identifier	
	Trade name	Additive L
	Registration number (REACH)	not relevant (mixture)
	Article number	PICO-000010 D
1.2	Relevant identified uses of the substance or mixture and uses advised against	
	Relevant identified uses	Professional use
1.3	Details of the supplier of the safety data sheet	
	PICO BioScience GmbH Georges-Köhler-Allee 103 79110 Freiburg Deutschland	
	Telefon: +49 761 21630500 E-Mail: info@actome.de	
	E-Mail (competent person)	info@actome.de
1.4	Emergency telephone number	
	Emergency information service	+49 761 21630500 This number is only available during the following office hours: Mon-Fri 09:00 am - 05:00 pm

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Additive L

Version number: 1.0

Revision: 2026-02-12

Replaces version of: -

SECTION 2: Hazards identification

2.1	<p>Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 (CLP)</p> <table border="1"> <thead> <tr> <th>Section</th> <th>Hazard class</th> <th>Category</th> <th>Hazard class and category</th> <th>Hazard statement</th> </tr> </thead> <tbody> <tr> <td>3.2</td> <td>skin corrosion/irritation</td> <td>2</td> <td>Skin Irrit. 2</td> <td>H315</td> </tr> <tr> <td>3.3</td> <td>serious eye damage/eye irritation</td> <td>1</td> <td>Eye Dam. 1</td> <td>H318</td> </tr> <tr> <td>4.1C</td> <td>hazardous to the aquatic environment - chronic hazard</td> <td>3</td> <td>Aquatic Chronic 3</td> <td>AH412</td> </tr> </tbody> </table> <p>For full text of H-phrases: see SECTION 16</p> <p>The most important adverse physicochemical, human health and environmental effects Spillage and fire water can cause pollution of watercourses.</p>	Section	Hazard class	Category	Hazard class and category	Hazard statement	3.2	skin corrosion/irritation	2	Skin Irrit. 2	H315	3.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318	4.1C	hazardous to the aquatic environment - chronic hazard	3	Aquatic Chronic 3	AH412
Section	Hazard class	Category	Hazard class and category	Hazard statement																	
3.2	skin corrosion/irritation	2	Skin Irrit. 2	H315																	
3.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318																	
4.1C	hazardous to the aquatic environment - chronic hazard	3	Aquatic Chronic 3	AH412																	
2.2	<p>Label elements Labelling according to Regulation (EC) No 1272/2008 (CLP)</p> <table border="1"> <tr> <td>- signal word</td> <td>Danger</td> </tr> <tr> <td>- Pictograms</td> <td></td> </tr> <tr> <td>GHS05</td> <td></td> </tr> </table> <table border="1"> <tr> <td>- hazard statements</td> <td></td> </tr> <tr> <td>H315</td> <td>Causes skin irritation.</td> </tr> <tr> <td>H318</td> <td>Causes serious eye damage.</td> </tr> <tr> <td>H412</td> <td>Harmful to aquatic life with long lasting effects.</td> </tr> </table>	- signal word	Danger	- Pictograms		GHS05		- hazard statements		H315	Causes skin irritation.	H318	Causes serious eye damage.	H412	Harmful to aquatic life with long lasting effects.						
- signal word	Danger																				
- Pictograms																					
GHS05																					
- hazard statements																					
H315	Causes skin irritation.																				
H318	Causes serious eye damage.																				
H412	Harmful to aquatic life with long lasting effects.																				

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Additive L

Version number: 1.0

Revision: 2026-02-12

Replaces version of: -

	<table border="1"> <thead> <tr> <th colspan="2">- precautionary statements</th> </tr> </thead> <tbody> <tr> <td>P264</td> <td>Wash hands thoroughly after handling.</td> </tr> <tr> <td>P280</td> <td>Wear protective gloves/protective clothing/eye protection/face protection.</td> </tr> <tr> <td>P302+P352</td> <td>IF ON SKIN: Wash with plenty of water.</td> </tr> <tr> <td>P305+P351+P338</td> <td>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</td> </tr> <tr> <td>P310</td> <td>Immediately call a POISON CENTER/doctor.</td> </tr> <tr> <td>P501</td> <td>Dispose of contents/container in accordance with local/regional/national/international regulations.</td> </tr> </tbody> </table>	- precautionary statements		P264	Wash hands thoroughly after handling.	P280	Wear protective gloves/protective clothing/eye protection/face protection.	P302+P352	IF ON SKIN: Wash with plenty of water.	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	P310	Immediately call a POISON CENTER/doctor.	P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
- precautionary statements															
P264	Wash hands thoroughly after handling.														
P280	Wear protective gloves/protective clothing/eye protection/face protection.														
P302+P352	IF ON SKIN: Wash with plenty of water.														
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.														
P310	Immediately call a POISON CENTER/doctor.														
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.														
	<table border="1"> <tbody> <tr> <td> <p>- hazardous ingredients for labelling</p> <p>Contains: Poly(oxyethylene) p-(1,1,3,3-tetramethylbutyl)phenyl ether.</p> </td> </tr> </tbody> </table>	<p>- hazardous ingredients for labelling</p> <p>Contains: Poly(oxyethylene) p-(1,1,3,3-tetramethylbutyl)phenyl ether.</p>													
<p>- hazardous ingredients for labelling</p> <p>Contains: Poly(oxyethylene) p-(1,1,3,3-tetramethylbutyl)phenyl ether.</p>															
2.3	<p>Other hazards</p> <p>Results of PBT and vPvB assessment</p> <p>Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.</p> <p>Endocrine disrupting properties</p> <p>Contains an endocrine disruptor (ED) in a concentration of $\geq 0,1\%$. (Section 11 & 12).</p>														

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Additive L

Version number: 1.0

Revision: 2026-02-12

Replaces version of: -

SECTION 3: Composition/information on ingredients

3.1	Substances Not relevant (mixture).																			
3.2	Mixtures The product does not contain (other) ingredients which are classified according to present knowledge of the supplier and contribute to the classification of the product and hence require reporting in this section.																			
	<table border="1"> <thead> <tr> <th>Name of substance</th> <th>Identifier</th> <th>Wt%</th> <th>Classification acc. to GHS</th> <th>Pictograms</th> <th>Notes</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>Poly(oxyethylene) p-(1,1,3,3-tetra methylbutyl) phenyl ether</td> <td>CAS-Nr. 9002-93-1 EG-Nr. 618-344-0</td> <td>10-20</td> <td>Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Aquatic Chronic 2 / H411</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms	Notes	Remarks	Poly(oxyethylene) p-(1,1,3,3-tetra methylbutyl) phenyl ether	CAS-Nr. 9002-93-1 EG-Nr. 618-344-0	10-20	Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Aquatic Chronic 2 / H411			
Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms	Notes	Remarks														
Poly(oxyethylene) p-(1,1,3,3-tetra methylbutyl) phenyl ether	CAS-Nr. 9002-93-1 EG-Nr. 618-344-0	10-20	Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Aquatic Chronic 2 / H411																	
	<table border="1"> <thead> <tr> <th>Name of substance</th> <th>Identifier</th> <th>Specific Conc. limits</th> <th>M-Factors</th> <th>ATE</th> <th>Exposure route</th> </tr> </thead> <tbody> <tr> <td>Poly(oxyethylene) p-(1,1,3,3-tetra methylbutyl) phenyl ether</td> <td>CAS-Nr. 9002-93-1 EG-Nr. 618-344-0</td> <td>-</td> <td>-</td> <td>500 mg/kg</td> <td>oral</td> </tr> </tbody> </table>						Name of substance	Identifier	Specific Conc. limits	M-Factors	ATE	Exposure route	Poly(oxyethylene) p-(1,1,3,3-tetra methylbutyl) phenyl ether	CAS-Nr. 9002-93-1 EG-Nr. 618-344-0	-	-	500 mg/kg	oral		
Name of substance	Identifier	Specific Conc. limits	M-Factors	ATE	Exposure route															
Poly(oxyethylene) p-(1,1,3,3-tetra methylbutyl) phenyl ether	CAS-Nr. 9002-93-1 EG-Nr. 618-344-0	-	-	500 mg/kg	oral															
	Remarks All the percentages given are percentages by weight unless stated otherwise. For full text of H-phrases: see SECTION 16.																			

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Additive L

Version number: 1.0

Revision: 2026-02-12

Replaces version of: -

SECTION 4: First aid measures

4.1	<p>Description of first aid measures</p> <p>General notes Do not leave affected person unattended. Remove victim out of the danger area. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.</p> <p>Following inhalation Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.</p> <p>Following skin contact Wash with plenty of soap and water. Call a POISON CENTER/doctor.</p> <p>Following eye contact Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.</p> <p>Following ingestion Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Call a POISON CENTER/doctor.</p>
4.2	<p>Most important symptoms and effects, both acute and delayed Symptoms and effects are not known to date.</p>
4.3	<p>Indication of any immediate medical attention and special treatment needed For specialist advice physicians should contact the poison centre.</p>

SECTION 5: Firefighting measures

5.1	<p>Extinguishing media</p> <p>Suitable extinguishing media Water spray; Dry extinguishing powder; Carbon dioxide (CO₂); Co-ordinate firefighting measures to the fire surroundings.</p> <p>Unsuitable extinguishing media Water jet.</p>
5.2	<p>Special hazards arising from the substance or mixture</p> <p>Hazardous combustion products During fire hazardous fumes/smoke could be produced. Nitrogen oxides (NO_x). Carbon monoxide (CO). Carbon dioxide (CO₂).</p>
5.3	<p>Advice for firefighters In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.</p> <p>Special protective equipment for firefighters Self-contained breathing apparatus (EN 133). Standard protective clothing for firefighters.</p>

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Additive L

Version number: 1.0

Revision: 2026-02-12

Replaces version of: -

SECTION 6: Accidental release measures

6.1	<p>Personal precautions, protective equipment and emergency procedures</p> <p>For non-emergency personnel Remove persons to safety. Ventilate affected area.</p> <p>For emergency responders Wear breathing apparatus if exposed to vapours/dust/spray/gases. Use personal protective equipment as required.</p>
6.2	<p>Environmental precautions</p> <p>Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.</p>
6.3	<p>Methods and material for containment and cleaning up</p> <p>Advice on how to contain a spill Covering of drains.</p> <p>Advice on how to clean up a spill Wipe up with absorbent material (e.g. cloth, fleece).</p> <p>Appropriate containment techniques Use of adsorbent materials.</p> <p>Other information relating to spills and releases Place in appropriate containers for disposal. Ventilate affected area.</p>
6.4	<p>Reference to other sections</p> <p>Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.</p>

SECTION 7: Handling and storage

7.1	<p>Precautions for safe handling</p> <p>Recommendations</p> <ul style="list-style-type: none"> - measures to prevent fire as well as aerosol and dust generation Use local and general ventilation. Use only in well-ventilated areas. <p>Advice on general occupational hygiene Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.</p>
7.2	<p>Conditions for safe storage, including any incompatibilities</p> <p>Managing of associated risks</p> <ul style="list-style-type: none"> - flammability hazards Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. - incompatible substances or mixtures Keep away from alkalis, oxidising substances, acids.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Additive L

Version number: 1.0

Revision: 2026-02-12

Replaces version of: -

	<p>Control of effects</p> <p>Protect against external exposure, such as High temperatures. UV-radiation/sunlight.</p> <p>Consideration of other advice</p> <p>Store in a well-ventilated place. Keep container tightly closed.</p> <p>- packaging compatibilities Keep only in original container.</p>
7.3	<p>Specific end use(s)</p> <p>There is no additional information.</p>

SECTION 8: Exposure controls/personal protection

8.1	<p>Control parameters</p> <p>National limit values No information available.</p> <p>Relevant DNELs/DMELs/PNECs and other threshold levels No data available.</p>
8.2	<p>Exposure controls</p> <p>Appropriate engineering controls General ventilation. Provide eyewash stations and safety showers at the workplace.</p> <p>Individual protection measures (personal protective equipment)</p> <p>Eye/face protection  Use safety goggle with side protection (EN 166).</p> <p>Skin protection  Protective clothing (EN 340 & EN ISO 13688).</p> <p>Hand protection </p> <p>Wear suitable gloves. Check leak-tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Chemical protection gloves are suitable, which are tested according to EN 374. 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</p>

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Additive L

Version number: 1.0

Revision: 2026-02-12

Replaces version of: -

	<p>- type of material Nitrile rubber</p> <p>- material thickness Use gloves with a minimum material thickness: $\geq 0,38$ mm.</p> <p>- breakthrough time of the glove material Use gloves with a minimum breakthrough time of the glove material: >480 minutes (permeation: level 6).</p> <p>- other protection measures Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.</p> <p>Respiratory protection In case of inadequate ventilation wear respiratory protection. Full face mask/half mask/quarter mask (EN 136/140).</p> <p>Environmental exposure controls Take appropriate precautions to avoid uncontrolled release into the environment. Keep away from drains, surface and ground water.</p>
--	--

SECTION 9: Physical and chemical properties

9.1	Information on basic physical and chemical properties	
	Physical state	liquid
	Colour	colourless
	Odour	characteristic
	Melting point/freezing point	not determined
	Boiling point or initial boiling point and boiling range	288 °C at 101.6 kPa calculated value, referring to a component of the mixture
	Flammability	this material is combustible, but will not ignite readily
	Lower and upper explosion limit	LEL: UEL: not determined
	Flash point	no data available
	Auto-ignition temperature	not determined
	Decomposition temperature	no data available
	pH (value)	7.5
	Kinematic viscosity	not determined
	Solubility	not determined

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Additive L

Version number: 1.0

Revision: 2026-02-12

Replaces version of: -

	<table border="1"> <tr> <td>Partition coefficient n-octanol/water (log value)</td> <td>this information is not available</td> </tr> <tr> <td>Vapour pressure</td> <td>not determined</td> </tr> <tr> <td colspan="2">Density and/or relative density</td> </tr> <tr> <td>Density</td> <td>not determined</td> </tr> <tr> <td>Relative vapour density</td> <td>information on this property is not available</td> </tr> <tr> <td>Particle characteristics</td> <td>not relevant (liquid)</td> </tr> </table>	Partition coefficient n-octanol/water (log value)	this information is not available	Vapour pressure	not determined	Density and/or relative density		Density	not determined	Relative vapour density	information on this property is not available	Particle characteristics	not relevant (liquid)
Partition coefficient n-octanol/water (log value)	this information is not available												
Vapour pressure	not determined												
Density and/or relative density													
Density	not determined												
Relative vapour density	information on this property is not available												
Particle characteristics	not relevant (liquid)												
9.2	<p>Other information</p> <table border="1"> <tr> <td>Information with regard to physical hazard classes</td> <td>hazard classes acc. to GHS (physical hazards): not relevant</td> </tr> <tr> <td>Other safety characteristics</td> <td>there is no additional information</td> </tr> </table>	Information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant	Other safety characteristics	there is no additional information								
Information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant												
Other safety characteristics	there is no additional information												

SECTION 10: Stability and reactivity

10.1	<p>Reactivity This material is not reactive under normal ambient conditions.</p>
10.2	<p>Chemical stability The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.</p>
10.3	<p>Possibility of hazardous reactions No known hazardous reactions.</p>
10.4	<p>Conditions to avoid There are no specific conditions known which have to be avoided.</p>
10.5	<p>Incompatible materials Oxidisers.</p>
10.6	<p>Hazardous decomposition products Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.</p>

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Additive L

Version number: 1.0

Revision: 2026-02-12

Replaces version of: -

SECTION 11: Toxicological information

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

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components

Name of substance	CAS No	Exposure route	ATE
Poly(oxyethylene) p-(1,1,3,3-tetramethylbutyl) phenyl ether	9002-93-1	oral	500 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Additive L

Version number: 1.0

Revision: 2026-02-12

Replaces version of: -

11.2	<p>Information on other hazards</p> <p>Endocrine disrupting properties Contains an endocrine disruptor (ED) in a concentration of $\geq 0,1\%$.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5">Endocrine Disruptor lists</th> </tr> <tr style="background-color: #1a3d4d; color: white;"> <th>Name of substance</th> <th>CAS No</th> <th>Endocrine disruptor for human health</th> <th>Endocrine disruptor for the environment</th> <th>Listed in</th> </tr> </thead> <tbody> <tr> <td>Poly(oxyethylene) p-(1,1,3,3-tetramethylbutyl) phenyl ether</td> <td>9002-93-1</td> <td></td> <td>yes</td> <td>List I</td> </tr> </tbody> </table> <p><u>Legend</u> List I Substances identified as endocrine disruptors at EU level</p> <p>Other information There is no additional information.</p>	Endocrine Disruptor lists					Name of substance	CAS No	Endocrine disruptor for human health	Endocrine disruptor for the environment	Listed in	Poly(oxyethylene) p-(1,1,3,3-tetramethylbutyl) phenyl ether	9002-93-1		yes	List I
Endocrine Disruptor lists																
Name of substance	CAS No	Endocrine disruptor for human health	Endocrine disruptor for the environment	Listed in												
Poly(oxyethylene) p-(1,1,3,3-tetramethylbutyl) phenyl ether	9002-93-1		yes	List I												

SECTION 12: Ecological information

12.1	<p>Toxicity Harmful to aquatic life with long lasting effects.</p>
12.2	<p>Persistence and degradability Data are not available.</p>
12.3	<p>Bioaccumulative potential Data are not available.</p>
12.4	<p>Mobility in soil Data are not available.</p>
12.5	<p>Results of PBT and vPvB assessment Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.</p>

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Additive L

Version number: 1.0

Revision: 2026-02-12

Replaces version of: -

12.6	<p>Endocrine disrupting properties Contains an endocrine disruptor (ED) in a concentration of $\geq 0,1\%$.</p> <table border="1" style="width: 100%;"> <thead> <tr> <th colspan="5">Endocrine Disruptor lists</th> </tr> <tr> <th style="background-color: #1a3d4d; color: white;">Name of substance</th> <th style="background-color: #1a3d4d; color: white;">CAS No</th> <th style="background-color: #1a3d4d; color: white;">Endocrine disruptor for human health</th> <th style="background-color: #1a3d4d; color: white;">Endocrine disruptor for the environment</th> <th style="background-color: #1a3d4d; color: white;">Listed in</th> </tr> </thead> <tbody> <tr> <td>Poly(oxyethylene) p-(1,1,3,3-tetramethylbutyl) phenyl ether</td> <td>9002-93-1</td> <td></td> <td>yes</td> <td>List I</td> </tr> </tbody> </table> <p><u>Legend</u> List I Substances identified as endocrine disruptors at EU level</p>	Endocrine Disruptor lists					Name of substance	CAS No	Endocrine disruptor for human health	Endocrine disruptor for the environment	Listed in	Poly(oxyethylene) p-(1,1,3,3-tetramethylbutyl) phenyl ether	9002-93-1		yes	List I
Endocrine Disruptor lists																
Name of substance	CAS No	Endocrine disruptor for human health	Endocrine disruptor for the environment	Listed in												
Poly(oxyethylene) p-(1,1,3,3-tetramethylbutyl) phenyl ether	9002-93-1		yes	List I												
12.7	<p>Other adverse effects Data are not available.</p>															

SECTION 13: Disposal considerations

13.1	<p>Waste treatment methods</p> <p>Sewage disposal-relevant information Do not empty into drains. Avoid release to the environment.</p> <p>Waste treatment of containers/packagings Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.</p> <p>Remarks Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.</p>
-------------	--

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Additive L

Version number: 1.0

Revision: 2026-02-12

Replaces version of: -

SECTION 14: Transport information

14.1	UN number or ID number	not subject to transport regulations
14.2	UN proper shipping name	not relevant
14.3	Transport hazard class(es)	none
14.4	Packing group	not assigned
14.5	Environmental hazards	non-environmentally hazardous acc. to the dangerous goods regulations
14.6	Special precautions for user There is no additional information.	
14.7	Maritime transport in bulk according to IMO instruments No data available.	
	<u>Additional information for each of the UN Model Regulations</u> International Maritime Dangerous Goods Code (IMDG) - additional information Not subject to IMDG. International Civil Aviation Organization (ICAO-IATA/DGR) - additional information Not subject to ICAO-IATA.	

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Additive L

Version number: 1.0

Revision: 2026-02-12

Replaces version of: -

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

Name	Name acc. to inventory	Restriction	No
Additive L	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC	R3	3

Legend

R3

1. Shall not be used in:
 - ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
 - tricks and jokes,
 - games for one or more participants, or any article intended to be used as such, even with ornamental aspects,
2. Articles not complying with paragraph 1 shall not be placed on the market.
3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
 - can be used as fuel in decorative oil lamps for supply to the general public, and
 - present an aspiration hazard and are labelled with H304.
4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).
5. Without prejudice to the implementation of other Union provisions relating to the classification, labelling and packaging of substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
 - (a) lamp oils, labelled with H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil – or even sucking the wick of lamps – may lead to life-threatening lung damage";
 - (b) grill lighter fluids, labelled with H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: 'Just a sip of grill lighter fluid may lead to life threatening lung damage';
 - (c) lamps oils and grill lighters, labelled with H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.;

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

None of the ingredients are listed.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Additive L

Version number: 1.0

Revision: 2026-02-12

Replaces version of: -

	<p>Seveso Directive</p> <p>2012/18/EU (Seveso III)</p> <table border="1" data-bbox="296 562 1326 781"> <thead> <tr> <th data-bbox="296 624 360 725">No</th> <th data-bbox="360 624 638 725">Dangerous substance/hazard categories</th> <th data-bbox="638 624 1133 725">Qualifying quantity (tonnes) for the application of lower and upper-tier requirements</th> <th data-bbox="1133 624 1326 725">Notes</th> </tr> </thead> <tbody> <tr> <td data-bbox="296 725 360 781"></td> <td data-bbox="360 725 638 781">not assigned</td> <td data-bbox="638 725 1133 781"></td> <td data-bbox="1133 725 1326 781"></td> </tr> </tbody> </table> <p>Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR) None of the ingredients are listed.</p> <p>Water Framework Directive (WFD) None of the ingredients are listed.</p> <p>Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013 None of the ingredients are listed.</p> <p>Regulation on persistent organic pollutants (POP) None of the ingredients are listed.</p>	No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes		not assigned		
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes						
	not assigned								
15.2	<p>Chemical safety assessment No Chemical Safety Assessment has been carried out for this mixture by the supplier.</p>								

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Additive L

Version number: 1.0

Revision: 2026-02-12

Replaces version of: -

SECTION 16: Other information

Indication of changes (revised safety data sheet)		
Section	Former entry (text/value)	Actual entry (text/value)
Abbreviations and acronyms		
Abbr.	Descriptions of used abbreviations	
Acute Tox.	Acute toxicity	
ADR	Accord relatif au transport international des marchandises dangereuses par route (Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße)	
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard	
ATE	Acute Toxicity Estimate	
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)	
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures	
DGR	Dangerous Goods Regulations (see IATA/DGR)	
DMEL	Derived Minimal Effect Level	
DNEL	Derived No-Effect Level	
EC No.	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)	
ED	Endocrine disruptor	
EINECS	European Inventory of Existing Commercial Chemical Substances	
ELINCS	European List of Notified Chemical Substances	
Eye Dam.	Seriously damaging to the eye	
Eye Irrit.	Irritant to the eye	
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations	
IATA	International Air Transport Association	
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)	

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Additive L

Version number: 1.0

Revision: 2026-02-12

Replaces version of: -

Abbr.	Descriptions of used abbreviations
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
Index No.	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
LEL	Lower explosion limit (LEL)
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
SVHC	Substance of Very High Concern
UEL	Upper explosion limit (UEL)
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data
 Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
 Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure
 Physical and chemical properties: The classification is based on tested mixture. Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Additive L

Version number: 1.0

Revision: 2026-02-12

Replaces version of: -

List of relevant phrases (code and full text as stated in section 2 and 3)	
Code	Text
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Disclaimer
This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.