



Partner für Markenschmierstoffe

# Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

## UNIL Lycos RK 2

Version number: 5.0  
Replaces version of: 25.05.2022 (4)

Revision: 15.07.2022

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

#### 1.1 Product identifier

Trade name **UNIL Lycos RK 2**  
Registration number (REACH) Not relevant (mixture)

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

Relevant identified uses Lubricants, greases, release products

#### 1.3 Details of the supplier of the safety data sheet

UNIL Deutschland GmbH  
Liebknechtstraße 50  
70565 Stuttgart  
Germany

Telephone: +49 711 7868-0  
Telefax: +49 711 7868-489  
e-mail: info@unil.de  
Website: www.unil.de

e-mail (competent person) produktsicherheit@scharr.de

#### 1.4 Emergency telephone number

Poison centre			
Country	Name	Postal code/city	Telephone
Germany	Giftinformation Freiburg	79106 Freiburg im Breisgau	+49 (0)761 19240

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

#### 2.2 Label elements

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

- signal word not required

- pictograms not required

- supplemental hazard information

EUH208 Contains Polysulfides, di-tert-dodecyl, Naphthenic acids, zinc salts. May produce an allergic reaction.

#### 2.3 Other hazards

Special danger of slipping by leaking/spilling product.



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### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not relevant (mixture)

#### 3.2 Mixtures

Hazardous ingredients

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
zinc bis[O,O-bis(2-ethyl-hexyl)] bis(dithiophosphate)	CAS No 4259-15-8  EC No 224-235-5  REACH Reg. No 01-2119493635-27-xxxx	1 – < 5	Eye Dam. 1 / H318 Aquatic Chronic 2 / H411	 
Polysulfides, di-tert-do-decyl	CAS No 68425-15-0  EC No 270-335-7  REACH Reg. No 01-2119540516-41-xxxx	1 – < 5	Skin Sens. 1B / H317	
Naphthenic acids, zinc salts	CAS No 12001-85-3  EC No 234-409-2  REACH Reg. No 01-2120783834-41-xxxx	< 1	Eye Irrit. 2 / H319 Skin Sens. 1B / H317 Aquatic Chronic 2 / H411	 

Name of substance	Specific Conc. Limits	M-Factors	ATE	Exposure route
zinc bis[O,O-bis(2-ethyl-hexyl)] bis(dithiophosphate)	Eye Dam. 1; H318: C ≥ 50 %	-	-	
Polysulfides, di-tert-do-decyl	-	M-factor (chronic) = 100	-	

Hazardous ingredients acc. to EU regulation, Consideration of other advice

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

For full text of abbreviations: see SECTION 16.



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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Self-protection of the first aider.

##### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

##### Following skin contact

Wash with plenty of soap and water.

##### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

##### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Call a physician immediately.

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

Breathing difficulties. Headache. Vertigo.

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

Subsequent observance for pneumonia and pulmonary oedema. Supervise the blood circulation.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO<sub>2</sub>), Sand

##### Unsuitable extinguishing media

Water jet

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

Danger of bursting container.

##### Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

#### 5.3 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.



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### SECTION 6: Accidental release measures

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

For non-emergency personnel

Remove persons to safety. Ventilate affected area. Avoidance of ignition sources.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Provision of sufficient ventilation.

#### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

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

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

#### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Recommendations

- measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

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.

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

- Recommended storage temperature 5 – 40 °C

Shelf-life. >6 Monate.

- Lagerklasse (storage class according to TRGS 510, 10 (combustible liquids)  
Germany)

#### 7.3 Specific end use(s)

See section 16 for a general overview.



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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)								
Country	Name of substance	CAS No	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Source
CH	Polysulfides, di-tert-dodecyl	68425-15-0	MAK		10		40	SUVA
DE	Polysulfides, di-tert-dodecyl	68425-15-0	MAK		5		20	DFG
DE	Polysulfides, di-tert-dodecyl	68425-15-0	AGW		5		20	TRGS 900

#### Notation

STEL

short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA

time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours  
time-weighted average (unless otherwise specified)

Relevant DNELs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	4259-15-8	DNEL	6,6 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	4259-15-8	DNEL	9,6 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Polysulfides, di-tert-dodecyl	68425-15-0	DNEL	32,9 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
Polysulfides, di-tert-dodecyl	68425-15-0	DNEL	46,7 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Naphthenic acids, zinc salts	12001-85-3	DNEL	1,18 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
Naphthenic acids, zinc salts	12001-85-3	DNEL	3,3 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects



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Relevant PNECs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	4259-15-8	PNEC	8,33 mg/kg	aquatic organisms	water	short-term (single instance)
zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	4259-15-8	PNEC	44 µg/l	aquatic organisms	water	intermittent release
zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	4259-15-8	PNEC	4 µg/l	aquatic organisms	freshwater	short-term (single instance)
zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	4259-15-8	PNEC	4,6 µg/l	aquatic organisms	marine water	short-term (single instance)
zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	4259-15-8	PNEC	3,8 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	4259-15-8	PNEC	0,322 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	4259-15-8	PNEC	0,032 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	4259-15-8	PNEC	0,062 mg/kg	terrestrial organisms	soil	short-term (single instance)
Polysulfides, di-tert-dodecyl	68425-15-0	PNEC	66,7 mg/kg	aquatic organisms	water	short-term (single instance)
Polysulfides, di-tert-dodecyl	68425-15-0	PNEC	1 g/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Polysulfides, di-tert-dodecyl	68425-15-0	PNEC	3,85 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Polysulfides, di-tert-dodecyl	68425-15-0	PNEC	0,385 mg/kg	aquatic organisms	marine sediment	short-term (single instance)

## 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.



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### Skin protection

#### - hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. 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.

#### - type of material

PE: polyethylene, CR: chloroprene (chlorobutadiene) rubber, IIR: isobutene-isoprene (butyl) rubber

#### - material thickness

> 0,35 mm

#### - breakthrough times of the glove material

0,4 mm

>120 minutes (permeation: level 4)

#### - other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

### Respiratory protection

[In case of inadequate ventilation] wear respiratory protection. Type: AX (gas filters and combined filters against low-boiling point organic compounds, colour code: Brown).

### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	liquid (paste)
Colour	beige
Odour	characteristic
Melting point/freezing point	>190 °C at 1.013 hPa
Boiling point or initial boiling point and boiling range	not determined
Evaporation rate	not determined
Flammability	this material is combustible, but will not ignite readily
Lower and upper explosion limit	not determined
Flash point	>200 °C
Auto-ignition temperature	240 °C
Decomposition temperature	>240 °C



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pH (value)	not determined
Solubility(ies)	not determined

### Partition coefficient

Partition coefficient n-octanol/water (log value)	this information is not available
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Vapour pressure	not determined
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### Density and/or relative density

Density	0,94 g/cm <sup>3</sup> at 20 °C
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Particle characteristics	not relevant (liquid)
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## 9.2 Other information

Information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant
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### Other safety characteristics

Temperature class (EU, acc. to ATEX)	T3 (maximum permissible surface temperature on the equipment: 200°C)
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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials

Oxidisers

### 10.6 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.





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### 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)

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

##### Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity of components of the mixture					
Name of substance	CAS No	Exposure route	Endpoint	Value	Species
zinc bis[O,O-bis(2-ethylhexyl)] bis(di-thiophosphate)	4259-15-8	oral	LD50	3.100 mg/kg	rat
zinc bis[O,O-bis(2-ethylhexyl)] bis(di-thiophosphate)	4259-15-8	dermal	LD50	>5.000 mg/kg	rabbit
Naphthenic acids, zinc salts	12001-85-3	oral	LD50	>2.000 mg/kg	rat

##### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

##### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

##### Respiratory or skin sensitisation

Contains Polysulfides, di-tert-dodecyl, Naphthenic acids, zinc salts. May produce an allergic reaction.

##### 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.

#### 11.2 Information on other hazards

There is no additional information.



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### SECTION 12: Ecological information

#### 12.1 Toxicity

Acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment.  
Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK 1, slightly hazardous to water (Germany)

Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
zinc bis[O,O-bis(2-ethylhexyl)] bis(dithio-phosphate)	4259-15-8	LL50	4,4 mg/l	fish	96 h
zinc bis[O,O-bis(2-ethylhexyl)] bis(dithio-phosphate)	4259-15-8	LC50	46 mg/l	fish	96 h
zinc bis[O,O-bis(2-ethylhexyl)] bis(dithio-phosphate)	4259-15-8	EL50	75 mg/l	aquatic invertebrates	48 h
Polysulfides, di-tert-dodecyl	68425-15-0	LL50	>100 mg/l	fish	96 h
Naphthenic acids, zinc salts	12001-85-3	LL50	>100 mg/l	fish	96 h
Naphthenic acids, zinc salts	12001-85-3	EL50	35 mg/l	aquatic invertebrates	48 h

Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
zinc bis[O,O-bis(2-ethylhexyl)] bis(dithio-phosphate)	4259-15-8	EC50	380 mg/l	microorganisms	16 h
Naphthenic acids, zinc salts	12001-85-3	EC50	5,2 mg/l	microorganisms	3 h

#### Biodegradation

Data are not available.

#### 12.2 Persistence and degradability

Data are not available.

#### 12.3 Bioaccumulative potential

Data are not available.

#### 12.4 Mobility in soil

Data are not available.

#### 12.5 Results of PBT and vPvB assessment

Data are not available.



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### 12.6 Endocrine disrupting properties

None of the ingredients are listed.

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packageings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

### Relevant provisions relating to waste

Spent waxes and fats ASN 12 01 12

### 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.

## 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 | The cargo is not intended to be carried in bulk.                      |

### Information for each of the UN Model Regulations

#### Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - additional information

Not subject to ADR, RID and ADN.

#### 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.



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### 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)

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

none of the ingredients are listed

##### Seveso Directive

2012/18/EU (Seveso III)			
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes
	not assigned		

##### VOC Deco-Paint Directive 2004/42/EC

VOC content	3 %
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##### Industrial Emissions Directive (IED)

VOC content	1 %
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##### Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

##### Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

##### Water Framework Directive (WFD)

none of the ingredients are listed

##### Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

##### National regulations (Austria)

Ordinance on combustible liquids (VbF) not assigned (flash point higher than 100 °C)

##### National regulations (Germany)

##### Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)

Wassergefährdungsklasse, WGK 1 slightly hazardous to water  
(water hazard class)

##### National regulations Switzerland

##### Ordinance on the incentive tax on volatile organic compounds (VOCV)

The product is exempt from the tax. Product in which the VOC content does not exceed 3 per cent (% by weight).



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### National inventories

Country	Inventory	Status
AU	AIIC	not all ingredients are listed
CA	DSL	not all ingredients are listed
CN	IECSC	not all ingredients are listed
EU	ECSI	all ingredients are listed
EU	REACH Reg.	all ingredients are listed
JP	CSCL-ENCS	not all ingredients are listed
KR	KECI	not all ingredients are listed
NZ	NZIoC	not all ingredients are listed
PH	PICCS	not all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	not all ingredients are listed
US	TSCA	not all ingredients are listed

#### Legend

AIIC	Australian Inventory of Industrial Chemicals
CICR	Chemical Inventory and Control Regulation
CSCL-ENCS	List of Existing and New Chemical Substances (CSCL-ENCS)
DSL	Domestic Substances List (DSL)
ECSI	EC Substance Inventory (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
KECI	Korea Existing Chemicals Inventory
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

### 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)
2.1	Classification according to Regulation (EC) No 1272/2008 (CLP)	Classification according to Regulation (EC) No 1272/2008 (CLP): This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.
2.1		Classification according to Regulation (EC) No 1272/2008 (CLP): change in the listing (table)
2.2	- signal word: warning	- signal word: not required
2.2	- pictograms	- pictograms: not required



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Section	Former entry (text/value)	Actual entry (text/value)
2.2		- pictograms: change in the listing (table)
2.2		- hazard statements: change in the listing (table)
2.2		- precautionary statements: change in the listing (table)
2.2	- hazardous ingredients for labelling: Polysulfides, di-tert-dodecyl, Naphthenic acids, zinc salts	
2.2		- supplemental hazard information: change in the listing (table)
3.2		Hazardous ingredients: change in the listing (table)
3.2		Hazardous ingredients: change in the listing (table)
3.2		Hazardous ingredients acc. to EU regulation, Consideration of other advice: This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC. For full text of abbreviations: see SECTION 16.
8.1		Relevant DNELs of components of the mixture: change in the listing (table)
8.1		Relevant PNECs of components of the mixture: change in the listing (table)
11.1	Classification according to GHS (1272/2008/EC, CLP)	Classification according to GHS (1272/2008/EC, CLP): This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.
11.1	Respiratory or skin sensitisation: May cause an allergic skin reaction.	Respiratory or skin sensitisation: Contains Polysulfides, di-tert-dodecyl, Naphthenic acids, zinc salts. May produce an allergic reaction.
12.1	Toxicity: Acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment. Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK 3, highly hazardous to water (Germany)	Toxicity: Acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment. Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK 1, slightly hazardous to water (Germany)
12.1		Aquatic toxicity (acute) of components of the mixture: change in the listing (table)
15.1	Wassergefährdungsklasse, WGK (water hazard class): 3 highly hazardous to water	Wassergefährdungsklasse, WGK (water hazard class): 1 slightly hazardous to water



Partner für Markenschmierstoffe

# Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

## UNIL Lycos RK 2

Version number: 5.0  
Replaces version of: 25.05.2022 (4)

Revision: 15.07.2022

### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
AGW	Workplace exposure limit
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
DFG	Deutsche Forschungsgemeinschaft MAK-und BAT-Werte-Liste, Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Wiley-VCH, Weinheim
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
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)
EINECS	European Inventory of Existing Commercial Chemical Substances
EL50	Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms
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)
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
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
LL50	Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality



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Abbr.	Descriptions of used abbreviations
M-factor	Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to the aquatic environment acute category 1 or chronic category 1, and is used to derive by the summation method the classification of a mixture in which the substance is present
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
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 Sens.	Skin sensitisation
STEL	Short-term exposure limit
SUVA	Grenzwerte am Arbeitsplatz, Suva
SVHC	Substance of Very High Concern
TRGS	Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany)
TRGS 900	Arbeitsplatzgrenzwerte (TRGS 900)
TWA	Time-weighted average
VOC	Volatile Organic Compounds
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.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). 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).

### List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	Toxic 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.