

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

Printed 08.11.2013
revision 06.11.2013 (GB) Version 1.7
gleitmo RLC 3100 K2
A01-05311

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

1.1. Product identifier

Name of product gleitmo RLC 3100 K2

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

Recommended intended purpose(s)

siehe Produktinformation!

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor

FUCHS LUBRITECH GMBH
Werner-Heisenberg-Straße 1, D-67661 Kaiserslautern/Germany
Phone +49 (0) 6301 3206 - 0, Fax +49 (0) 6301 3206 - 940
E-Mail reach@fuchs-lubritech.de
Internet www.fuchs-lubritech.com

Advice

Product Safety Management
Phone +49 (0) 6301 3206 - 0
Fax +49 (0) 6301 3206 - 940
E-mail (competent person):
reach@fuchs-lubritech.de

1.4. Emergency telephone number

Emergency advice

+49 (0)171 / 4632154
Phone 06301/3206-808
This number is only available at office times.

**EMERGENCY
TELEPHONE NO.
800-255-3924**

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to 67/548/EEC or 1999/45/EC

Xn; R20

R43

R52/53

R-phrases

20

Harmful by inhalation.

43

May cause sensitisation by skin contact.

52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Labelling according to 1999/45/EC

Remarks for labelling

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances. Classification happened on the basis of calculation methods of preparation directive (1999/45/EC).

Xn Harmful



R-phrases

20

Harmful by inhalation.

43

May cause sensitisation by skin contact.

52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

24

Avoid contact with skin.

37

Wear suitable gloves.

61

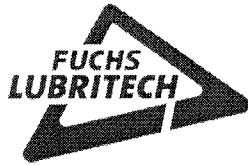
Avoid release to the environment. Refer to special instructions/safety data sheets.

Hazardous ingredients for labeling

Aliphatisches Polysocyanat

2.3. Other hazards

No information available.



SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
		hydrophiles, aliphatisches Polyisocyanat	48 - 52	Xn; R20-37-43-52/53

Additional advice

Contains Isocyanates. Observe manufacturer's instructions.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately, don't leave to dry.
In the event of persistent symptoms receive medical treatment.

In case of inhalation

Ensure of fresh air.
No mouth-to-mouth resuscitation by first aid.
In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off with soap and water.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

Do not induce vomiting.
Call for a doctor immediately.
Rinse out mouth thoroughly with water.
Give plenty of water to drink in small sips.

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

Physician's information / possible dangers

Symptome an den Atemwegen können auch noch einige Stunden nach einer Überexposition auftreten.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam
Dry powder
Carbon dioxide
water mist

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Isocyanate
Nitrogen oxides (NOx)
Carbon monoxide (CO)
Hydrogen cyanide (HCN)

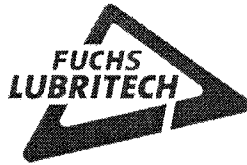
5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.
Wear full protective clothing.

Additional information

Collect contaminated firefighting water separately, must not be discharged into the drains.



SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Keep away personal without protection.
Use personal protective clothing.
Keep away sources of ignition.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.
Prevent spread over a wide area (e.g. by containment or oil barriers).
Alert appropriate regulatory bodies.
Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Take up residues with absorbent material (e.g. sand, sawdust).
Take up mechanically and send for disposal.
Keep container clammy, do not seal for 7 days. Co2 is forming

Additional Information

Informations for disposal see chapter 13.

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Care for suitable extraction / ventilation at processing machines.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Prevent penetration into the ground.

Advice on storage compatibility

Do not store together with food.

Further information on storage conditions

Keep container tightly closed, store at cool and aired place, open and handle carefully.
Protect from atmospheric moisture and water
Take measures against electrostatic charge.
Unter Verschluss aufbewahren.
Do not keep at temperatures above 30°C.

Information on storage stability

Storage stability 12 months maximum.

Storage group 10

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice

As basis for this information served the valid references.

8.2. Exposure controls

Respiratory protection

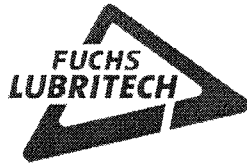
Not necessary with good room ventilation
at short term or marginal exposure use respiration filter; at long term or extensive exposure use independant respiratory mask
Breathing apparatus with combination filter A2/P2

Hand protection

As the product is a preparation of several substances, the actual resistance of the materials used for gloves cannot be scientifically calculated; it is therefore mandatory to check this before using the product.
The break through time depends on the mechanical stress imposed and must therefore be checked individually.
butyl rubber gloves

Eye protection

tightly fitting goggles



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Skin protection

Usual working clothes for chemical industries

General protective measures

Avoid contact with eyes and skin
Do not inhale gases/vapours/aerosols.

Hygiene measures

At work do not eat, drink, smoke or take drugs.
Remove soiled or soaked clothing immediately.
Keep away from food and drink.
Wash hands before breaks and after work.

Additional advice on system design

Care for good room ventilation, exhaust system at workshop place if necessary

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Colour	Odour
liquid	farblos - gelb	hardly recognizable

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value in delivery state					not applicable
boiling point	> 190 °C		1013 hPa	DIN 53171	
Flash point	86 °C			closed cup	
Relative density	1,10 g/cm ³				
Solubility in water					insoluble
Viscosity dynamic	20 - 70 mPa*s				

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Risk of bursting.

10.5. Incompatible materials

Materials to avoid

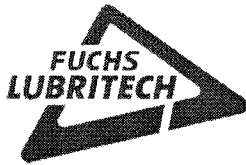
Reactions with water.
Reactions with alcohols.
Reactions with amines.

10.6. Hazardous decomposition products

none at appropriate handling and storage

Thermal decomposition

Remark No decomposition if used as directed.



SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 2000 mg/kg	rat		
LC50 acute inhalation	390 mg/m3 (4 h)	Rat (female)	OECD 403	
Irritability skin	non-irritant	rabbit		
Irritability eye	non-irritant	rabbit eye		
Skin sensitization	sensitizing		OECD 406	

Additional information

Analogous to product of similar composition.

The product was classified on the basis of the calculation procedure of the directive 67/548/EEC (conventional method).

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 > 10 - 100 mg/l (96 h)	Brachidanio rerio		
Daphnia	EC50 >= 100 mg/l (48 h)	Daphnia magna		

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

Behaviour in sewage plant

Product gets duly not into waste water before it is not treated according to the local regulations.

General regulation

May cause long-term adverse effects in the aquatic environment.

Analogous to a product of similar composition

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendations for the product

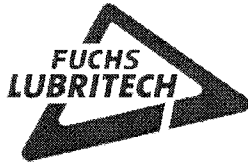
Waste disposal in accordance with the relevant regulations.

Recommendations for packaging

Dispose one-trip container according to local authority prescriptions

General information

Ultimately responsible for correct classification is the waste producer, as the EWC names different codes for different origins of same waste



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SECTION 14: Transport information

Land and inland navigation transport ADR/RID

No dangerous goods as defined by these transport regulations.

Marine transport IMDG

No hazardous goods as defined by prescriptions

Air transport ICAO/IATA-DGR

No hazardous goods as defined by prescriptions

Special precautions for user

No information available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

SECTION 15: Regulatory information

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

VOC standard

VOC content 0 %

National regulations

Water hazard class 1 Mixture-WGK according to VwVwS (GER)

15.2. Chemical Safety Assessment

No information available.

! SECTION 16: Other information

Training advice

Use information in this MSDS

Recommended uses and restrictions

usage only according to instructions for use and observance of warning notes

National and local regulations concerning chemicals shall be observed.

! Further information

Substantial changes to the former version are marked by "!" on the left margin of the paper.

All the raw materials in this product are listed in TSCA.

All the raw materials in this product are listed in DSL.

All the raw materials in this product are listed in AICS.

All the raw materials in this product are listed in PICCS.

All the raw materials in this product are listed in IECSC.

All the raw materials in this product are listed in ECL.

All the raw materials in this product are listed in KECL.

Refer to product information paper.

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions.

It does not represent a guarantee of the properties of the product.

! Sources of key data used

Material Safety Data Sheets of raw materials

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 20 Harmful by inhalation.

R 37 Irritating to respiratory system.

R 43 May cause sensitisation by skin contact.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.