

Safety Data Sheet

according to UK REACH Regulation

Universal-Silikon transparent 300ml

Revision date: 23.09.2021

Product code: ZKR153LO

Page 1 of 11

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

1.1. Product identifier

Universal-Silikon transparent 300ml

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

Use of the substance/mixture

Suitable for gluing and sealing indoors and outdoors. The construction adhesive with a high adhesion power is used for gluing metal, stone and wooden structures, as well as for general construction works where an especially strong connection is required. Adheres well to most construction materials such as wood, bricks, concrete, glass, copper, galvanizes steel, aluminium, etc. The gluing and sealing mass StrongFix 707 has good vibration and noise-suppressing properties.

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Company name:	Lorencic GmbH Nfg. & Co KG	
Street:	Puchstraße 208	
Place:	A-8055 Graz	
Telephone:	+43 (0) 316 / 47 25 64 32	Telefax: +43 (0) 316 / 47 25 64 78
Responsible Department:	Dr. Gans-Eichler Chemieberatung GmbH Otto-Hahn-Str. 36 D-48161 Münster	e-mail: info@tge-consult.de Tel.: +49(0)2534 6441185 www.tge-consult.de

1.4. Emergency telephone number:

Poison Control Centre Vienna: +43 (0) 1 406 43 43

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

2.2. Label elements

GB CLP Regulation

Special labelling of certain mixtures

EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains 3-aminopropyltriethoxysilane. May produce an allergic reaction.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
No risks worthy of mention. Please observe the information on the safety data sheet at all times.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Safety Data Sheet

according to UK REACH Regulation

Universal-Silikon transparent 300ml

Revision date: 23.09.2021

Product code: ZKR153LO

Page 2 of 11

Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	GHS Classification			
	Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics			10 - < 20 %
	920-107-4		01-2119453414-43	
	Asp. Tox. 1; H304 EUH066			
919-30-2	3-aminopropyltriethoxysilane			0.1 - < 0.2 %
	213-048-4	612-108-00-0	01-2119480479-24	
	Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1; H302 H314 H317			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity	
	Specific Conc. Limits, M-factors and ATE			
	920-107-4	Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics	10 - < 20 %	
	dermal: LD50 = > 3160 mg/kg; oral: LD50 = > 15000 mg/kg			
919-30-2	213-048-4	3-aminopropyltriethoxysilane	0.1 - < 0.2 %	
	dermal: LD50 = 3800 mg/kg; oral: LD50 = 530 mg/kg			

Further information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

After contact with skin

Change contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

If swallowed, immediately drink: Water. Never give anything by mouth to an unconscious person or a person with cramps. Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

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

No known symptoms to date.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Safety Data Sheet

according to UK REACH Regulation

Universal-Silikon transparent 300ml

Revision date: 23.09.2021

Product code: ZKR153LO

Page 3 of 11

Suitable extinguishing media

Foam. Carbon dioxide. Extinguishing powder. Water spray.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon dioxide (CO₂). Carbon monoxide Nitrogen oxides (NO_x)

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

Safe handling: see section 7

For non-emergency personnel

Wear personal protection equipment (refer to section 8).

For emergency responders

No special measures are necessary.

6.2. Environmental precautions

Discharge into the environment must be avoided.

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear suitable protective clothing. (See section 8.)

Advice on protection against fire and explosion

Usual measures for fire prevention.

Advice on general occupational hygiene

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Take off contaminated clothing. Street clothing should be stored separately from work clothing. Contaminated work clothing should not be allowed out of the workplace. Protect skin by using skin protective cream.

Further information on handling

General protection and hygiene measures: See section 8.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Keep container dry. Keep/Store only in original container.

Safety Data Sheet

according to UK REACH Regulation

Universal-Silikon transparent 300ml

Revision date: 23.09.2021

Product code: ZKR153LO

Page 4 of 11

Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

Further information on storage conditions

Recommended storage temperature: 5-25°C.
Maximum period of storage (time): 18 months.

7.3. Specific end use(s)

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
919-30-2	3-aminopropyltriethoxysilane			
Worker DNEL, long-term		inhalation	systemic	59 mg/m ³
Worker DNEL, acute		inhalation	systemic	59 mg/m ³
Worker DNEL, long-term		dermal	systemic	8,3 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	8,3 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	17,4 mg/m ³
Consumer DNEL, acute		inhalation	systemic	17,4 mg/m ³
Consumer DNEL, long-term		dermal	systemic	5 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	5 mg/kg bw/day

PNEC values

CAS No	Substance	Value
919-30-2	3-aminopropyltriethoxysilane	
Freshwater		0,33 mg/l
Freshwater (intermittent releases)		3,3 mg/l
Marine water		0,033 mg/l
Freshwater sediment		1,2 mg/kg
Marine sediment		0,12 mg/kg
Micro-organisms in sewage treatment plants (STP)		13 mg/l
Soil		0,05 mg/kg

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls



Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

Individual protection measures, such as personal protective equipment

Safety Data Sheet

according to UK REACH Regulation

Universal-Silikon transparent 300ml

Revision date: 23.09.2021

Product code: ZKR153LO

Page 5 of 11

Eye/face protection

not relevant

Hand protection

not relevant

Skin protection

not relevant

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Thermal hazards

No special precautionary measures are necessary.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid, Paste
Colour:	colourless
Odour:	characteristic

Changes in the physical state

Melting point/freezing point:	N/A
Boiling point or initial boiling point and boiling range:	284 °C
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	>60 °C

Explosive properties

none

Lower explosion limits:	N/A
Upper explosion limits:	N/A
Auto-ignition temperature:	N/A

Self-ignition temperature

Gas:	235 °C
Decomposition temperature:	N/A

Oxidizing properties

none

pH-Value:	N/A
Viscosity / dynamic:	N/A
Viscosity / kinematic: (at 40 °C)	>20,5 mm ² /s
Flow time:	not determined
Water solubility:	not determined

Solubility in other solvents

not determined

Partition coefficient n-octanol/water:

SECTION 12: Ecological information

Safety Data Sheet

according to UK REACH Regulation

Universal-Silikon transparent 300ml

Revision date: 23.09.2021

Product code: ZKR153LO

Page 6 of 11

Vapour pressure: (at 20 °C)	0,002085 hPa
Vapour pressure: (at 50 °C)	0,0336 hPa
Density (at 20 °C):	not determined
Relative vapour density:	N/A

9.2. Other information**Information with regard to physical hazard classes**

Sustaining combustion: Not sustaining combustion

Other safety characteristics

Solvent separation test:	not determined
Solvent content:	not determined
Solid content:	not determined
Evaporation rate:	not determined

Further Information

No information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No information available.

10.2. Chemical stability

Stable under normal storage and handling conditions.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Keep away from heat. moisture.

10.5. Incompatible materials

strong alkalis. Strong acid. Water. Alcohols. Amines. Oxidizing agents, strong.

10.6. Hazardous decomposition productsCan be released in case of fire: Carbon dioxide (CO₂). Carbon monoxide Nitrogen oxides (NO_x)**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Toxicokinetics, metabolism and distribution**

No information available.

Acute toxicity

Based on available data, the classification criteria are not met.

Safety Data Sheet

according to UK REACH Regulation

Universal-Silikon transparent 300ml

Revision date: 23.09.2021

Product code: ZKR153LO

Page 7 of 11

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics				
	oral	LD50 > 15000 mg/kg	Rat	Study report (1977)	OECD Guideline 401
	dermal	LD50 > 3160 mg/kg	Rabbit	Study report (1984)	OECD Guideline 402
919-30-2	3-aminopropyltriethoxysilane				
	oral	LD50 530 mg/kg	Mouse	Study report (1972)	
	dermal	LD50 3800 mg/kg	Rabbit	RTECS	

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Contains 3-aminopropyltriethoxysilane. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics:

In vitro mutagenicity/genotoxicity: Method: OECD 471 (Ames test). Result / evaluation: negative.; In vivo mutagenicity/genotoxicity: Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) Result / evaluation: negative.; Carcinogenicity: Method: OECD 453. Species: Rat. Result / evaluation: 138 mg/m³ Air.; Reproductive toxicity: Method: OECD 413. Species: Rat. NOAEC >= 400 ppm. Literature information: ECHA Dossier.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics:

Subacute oral toxicity: Method: OECD 422. Species: Rat. Result / evaluation: NOAEL >= 1000 mg/kg bw/day; Subchronic inhalative toxicity: Method: OECD 413. Species: Rat. NOAEC: > 10400 mg/m³ Air. Literature information: ECHA Dossier.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No information available.

11.2. Information on other hazards

Endocrine disrupting properties

No data available.

SECTION 12: Ecological information

12.1. Toxicity

The product has not been tested.

Safety Data Sheet

according to UK REACH Regulation

Universal-Silikon transparent 300ml

Revision date: 23.09.2021

Product code: ZKR153LO

Page 8 of 11

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
	Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics					
	Acute algae toxicity	ErC50 mg/l	> 1000	72 h	Pseudokirchneriella subcapitata	REACH Registration Dossier
	Fish toxicity	NOEC mg/l	> 1000	28 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2010)
	Crustacea toxicity	NOEC mg/l	> 1000	21 d	Daphnia magna	REACH Registration Dossier
919-30-2	3-aminopropyltriethoxysilane					
	Acute fish toxicity	LC50 mg/l	> 934	96 h	Danio rerio	Study report (1994)
	Acute algae toxicity	ErC50 mg/l	> 1000	72 h	Desmodesmus subspicatus	Study report (1994)
	Acute crustacea toxicity	EC50	331 mg/l	48 h	Daphnia magna	Study report (1993)

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
919-30-2	3-aminopropyltriethoxysilane				
	EU Method C.4-A	67%	28	ECHA Dossier	
	Not readily biodegradable (according to OECD criteria)				

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
	Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics	>= 5,03
919-30-2	3-aminopropyltriethoxysilane	1,7

BCF

CAS No	Chemical name	BCF	Species	Source
	Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics	>= 207,7	calculated	REACH Registration D
919-30-2	3-aminopropyltriethoxysilane	3,4	Cyprinus carpio	Other company data (

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

Safety Data Sheet

according to UK REACH Regulation

Universal-Silikon transparent 300ml

Revision date: 23.09.2021

Product code: ZKR153LO

Page 9 of 11

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.
Non-contaminated packages may be recycled.
According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.
Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

List of Wastes Code - residues/unused products

080410 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants other than those mentioned in 08 04 09

List of Wastes Code - used product

080410 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants other than those mentioned in 08 04 09

List of Wastes Code - contaminated packaging

150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); mixed packaging

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number or ID number:	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name:	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es):	No dangerous good in sense of these transport regulations.
14.4. Packing group:	No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)

14.1. UN number or ID number:	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name:	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es):	No dangerous good in sense of these transport regulations.
14.4. Packing group:	No dangerous good in sense of these transport regulations.

Marine transport (IMDG)

14.1. UN number or ID number:	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name:	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es):	No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name:	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es):	No dangerous good in sense of these transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Safety Data Sheet

according to UK REACH Regulation

Universal-Silikon transparent 300ml

Revision date: 23.09.2021

Product code: ZKR153LO

Page 10 of 11

14.6. Special precautions for user

Refer to section 6-8

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2010/75/EU (VOC):	No information available.
2004/42/EC (VOC):	No information available.
Information according to 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

Additional information

Safety Data Sheet according to UK-REACH Regulation
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].
UK REACH Appendix XVII, No (mixture): not relevant

National regulatory information

Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).
Water hazard class (D):	1 - slightly hazardous to water

15.2. Chemical safety assessment

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

SECTION 16: Other information**Changes**

Rev. 1,0 Initial release 04.06.2014
Rev. 2,0 Initial release 08.06.2018
Rev. 3,0 Initial release 23.09.2021

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
AGW: Arbeitsplatzgrenzwert
CAS: Chemical Abstracts Service
CLP: Classification, Labelling and Packaging of substances and mixtures
DNEL: Derived No Effect Level
d: day(s)
EINECS: European Inventory of Existing Commercial chemical Substances
ELINCS: European List of Notified Chemical Substances
ECHA: European Chemicals Agency
EWC: European Waste Catalogue
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
h: hour
LOAEL: Lowest observed adverse effect level

Safety Data Sheet

according to UK REACH Regulation

Universal-Silikon transparent 300ml

Revision date: 23.09.2021

Product code: ZKR153LO

Page 11 of 11

LOAEC: Lowest observed adverse effect concentration
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NOAEL: No observed adverse effect level
NOAEC: No observed adverse effect concentration
NLP: No-Longer Polymers
N/A: not applicable
OECD: Organisation for Economic Co-operation and Development
PNEC: predicted no effect concentration
PBT: Persistent bioaccumulative toxic
RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
REACH: Registration, Evaluation, Authorisation of Chemicals
SVHC: substance of very high concern
TRGS: Technische Regeln für Gefahrstoffe
UN: United Nations
VOC: Volatile Organic Compounds

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains 3-aminopropyltriethoxysilane. May produce an allergic reaction.

Further Information

Classification according to Regulation (EC) No 1272/2008 [CLP] - Classification procedure:
Health hazards: Calculation method.
Environmental hazards: Calculation method.
Physical hazards: On basis of test data and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)