

Page 1 of 31
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 21.09.2017 / 0013
Replacing version dated / version: 07.03.2017 / 0012
Valid from: 21.09.2017
PDF print date: 22.09.2017
Universalkleber 750 ml
Art.: 29297

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

Universalkleber 750 ml
Art.: 29297

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

Relevant identified uses of the substance or mixture:

Adhesive

Sector of use [SU]:

SU 0 - Other

SU 1 - Agriculture, forestry, fishery

SU19 - Building and construction work

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Chemical product category [PC]:

PC 1 - Adhesives, sealants

Process category [PROC]:

PROC19 - Manual activities involving hand contact

Article Categories [AC]:

AC99 - Not required.

Environmental Release Category [ERC]:

ERC99 - Not required.

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

GB

Albert Berner Deutschland GmbH, Bernerstrasse 4, 74653 Künzelsau, Germany
Phone: +49 79 40 12 10, Fax: +49 79 40 12 13 00
info@berner.de, www.berner.de

Details of the supplier of the safety data sheet see section 16 of this safety data sheet.

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 21.09.2017 / 0013

Replacing version dated / version: 07.03.2017 / 0012

Valid from: 21.09.2017

PDF print date: 22.09.2017

Universalkleber 750 ml

Art.: 29297

Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (BRC)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)

Hazard class Hazard category Hazard statement

Flam. Liq.	2	H225-Highly flammable liquid and vapour.
Eye Irrit.	2	H319-Causes serious eye irritation.
Skin Irrit.	2	H315-Causes skin irritation.
STOT SE	3	H336-May cause drowsiness or dizziness.
Aquatic Chronic	2	H411-Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)



Danger

H225-Highly flammable liquid and vapour. H319-Causes serious eye irritation. H315-Causes skin irritation. H336-May cause drowsiness or dizziness. H411-Toxic to aquatic life with long lasting effects.

P210-Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243-Take action to prevent static discharges. P261-Avoid breathing vapours or spray. P273-Avoid release to the environment. P280-Wear protective gloves and eye protection / face protection.

P312-Call a POISON CENTRE / doctor if you feel unwell.

P403+P233-Store in a well-ventilated place. Keep container tightly closed.

EUH208-Contains Rosin. May produce an allergic reaction.

Butanone

Ethyl acetate

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 21.09.2017 / 0013

Replacing version dated / version: 07.03.2017 / 0012

Valid from: 21.09.2017

PDF print date: 22.09.2017

Universalkleber 750 ml

Art.: 29297

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a.

3.2 Mixture

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane	
Registration number (REACH)	01-2119475514-35-XXXX
Index	---
EINECS, ELINCS, NLP	921-024-6 (REACH-IT List-No.)
CAS	---
content %	20-30
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411
Butanone	Substance for which an EU exposure limit value applies.
Registration number (REACH)	01-2119457290-43-XXXX
Index	606-002-00-3
EINECS, ELINCS, NLP	201-159-0
CAS	78-93-3
content %	15-25
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Ethyl acetate	Substance for which an EU exposure limit value applies.
Registration number (REACH)	01-2119475103-46-XXXX
Index	607-022-00-5
EINECS, ELINCS, NLP	205-500-4
CAS	141-78-6
content %	10-20
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Rosin	
Registration number (REACH)	01-2119480418-32-XXXX
Index	650-015-00-7

GB

Page 4 of 31
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 21.09.2017 / 0013
 Replacing version dated / version: 07.03.2017 / 0012
 Valid from: 21.09.2017
 PDF print date: 22.09.2017
 Universalkleber 750 ml
 Art.: 29297

EINECS, ELINCS, NLP	232-475-7
CAS	8050-09-7
content %	0,1-<1
Classification according to Regulation (EC) 1272/2008 (CLP)	Skin Sens. 1, H317

Zinc oxide	
Registration number (REACH)	01-2119463881-32-XXXX
Index	030-013-00-7
EINECS, ELINCS, NLP	215-222-5
CAS	1314-13-2
content %	0,1-<0,5
Classification according to Regulation (EC) 1272/2008 (CLP)	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)

2,6-di-tert-butyl-p-cresol	
Registration number (REACH)	01-2119555270-46-XXXX
Index	---
EINECS, ELINCS, NLP	204-881-4
CAS	128-37-0
content %	0,1-<0,5
Classification according to Regulation (EC) 1272/2008 (CLP)	Acute Tox. 4, H302 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.
 The substances named in this section are given with their actual, appropriate classification!
 For substances that are listed in appendix VI, table 3.1/3.2 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aiders should ensure they are protected!
 Never pour anything into the mouth of an unconscious person!

Inhalation

Remove person from danger area.
 Supply person with fresh air and consult doctor according to symptoms.
 If the person is unconscious, place in a stable side position and consult a doctor.

Skin contact

Wipe off residual product carefully with a soft, dry cloth.
 Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye contact

Remove contact lenses.
 Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

Rinse the mouth thoroughly with water.
 Do not induce vomiting. Consult doctor immediately.

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 21.09.2017 / 0013

Replacing version dated / version: 07.03.2017 / 0012

Valid from: 21.09.2017

PDF print date: 22.09.2017

Universalkleber 750 ml

Art.: 29297

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

The following may occur:

Product removes fat.

Dermatitis (skin inflammation)

Allergic reaction possible.

Inhalation:

Irritation of the respiratory tract

Dizziness

Headaches

Effects/damages the central nervous system

Unconsciousness

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

CO₂

Extinction powder

Water jet spray

Alcohol resistant foam

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Toxic gases

Explosive vapour/air mixture

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

Cool container at risk with water.

Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove possible causes of ignition - do not smoke.

Ensure sufficient supply of air.

Avoid inhalation, and contact with eyes or skin.

6.2 Environmental precautions

Prevent from entering drainage system.

If leakage occurs, dam up.

GB

Page 6 of 31

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 21.09.2017 / 0013

Replacing version dated / version: 07.03.2017 / 0012

Valid from: 21.09.2017

PDF print date: 22.09.2017

Universalkleber 750 ml

Art.: 29297

Resolve leaks if this possible without risk.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Ensure good ventilation.

Avoid inhalation of the vapours.

Keep away from sources of ignition - Do not smoke.

Take precautions against electrostatic charges.

Avoid contact with eyes or skin.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.

Store product closed and only in original packing.

Not to be stored in gangways or stair wells.

Do not store with flammable or self-igniting materials.

Observe special storage conditions.

Protect from direct sunlight and warming.

Store in a well ventilated place.

Store cool.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40):

600 mg/m³

GB

GB

Page 7 of 31
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 21.09.2017 / 0013
 Replacing version dated / version: 07.03.2017 / 0012
 Valid from: 21.09.2017
 PDF print date: 22.09.2017
 Universalkleber 750 ml
 Art.: 29297

Chemical Name	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane	Content %:	20-30
WEL-TWA: 600 mg/m ³	WEL-STEL: ---	---	
Monitoring procedures:	<ul style="list-style-type: none"> - Draeger - Hydrocarbons 2/a (81 03 581) - Draeger - Hydrocarbons 0,1%/c (81 03 571) - Compur - KITA-187 S (551 174) 		
BMGV: ---	Other information: ---		

Chemical Name	Butanone	Content %:	15-25
WEL-TWA: 200 ppm (600 mg/m ³) (WEL, EU)	WEL-STEL: 300 ppm (899 mg/m ³) (WEL), 300 ppm (900 mg/m ³) (EU)	---	
Monitoring procedures:	<ul style="list-style-type: none"> - Compur - KITA-122 SA(C) (549 277) - Compur - KITA-139 SB (549 731) - Compur - KITA-139 U (549 749) - MTA/MA-031/A96 (Determination of ketones (acetone, methyl ethyl ketone, methyl isobutyl ketone) in air - Charcoal tube method / Gas chromatography) - 1996 - EU project - BC/CEN/ENTR/000/2002-16 card 105-1 (2004) - MDHS 72 (Volatile organic compounds in air – Laboratory method using pumped solid sorbent tubes, thermal desorption and gas chromatography) - 1993 - DFG (D) (Loesungsmittelgemische 2), DFG (E) (Solvent mixtures 2) - 1998, 2002 - DFG (D) (Loesungsmittelgemische 3), DFG (E) (Solvent mixtures 3) - 1998, 2002 - DFG (D) (Loesungsmittelgemische 4), DFG (E) (Solvent mixtures 4) - 1998, 2002 - DFG (D) (Loesungsmittelgemische 5), DFG (E) (Solvent mixtures 5) - 1998, 2002 - DFG (D) (Loesungsmittelgemische 6), DFG (E) (Solvent mixtures 6) - 1998, 2002 		
BMGV: 70 µmol butan-2-one/l in urine, post shift (BMGV)	Other information: Sk		

Chemical Name	Ethyl acetate	Content %:	10-20
WEL-TWA: 200 ppm (WEL-TWA), 200 ppm (734 mg/m ³) (EU)	WEL-STEL: 400 ppm (WEL-STEL), 400 ppm (1468 mg/m ³) (EU)	---	
Monitoring procedures:	<ul style="list-style-type: none"> - Compur - KITA-111 SA (549 160) - Compur - KITA-111 U(C) (549 178) - Draeger - Ethyl Acetate 200/a (CH 20 201) - DFG (D) (Loesungsmittelgemische 2), DFG (E) (Solvent mixtures 2) - 1998, 2002 - DFG (D) (Loesungsmittelgemische 3), DFG (E) (Solvent mixtures 3) - 1998, 2002 - DFG (D) (Loesungsmittelgemische 4), DFG (E) (Solvent mixtures 4) - 1998, 2002 - DFG (D) (Loesungsmittelgemische 5), DFG (E) (Solvent mixtures 5) - 1998, 2002 		
BMGV: ---	Other information: ---		

Chemical Name	Rosin	Content %:	0,1-<1
---------------	-------	------------	--------

Ⓢ

Page 8 of 31
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 21.09.2017 / 0013
 Replacing version dated / version: 07.03.2017 / 0012
 Valid from: 21.09.2017
 PDF print date: 22.09.2017
 Universalkleber 750 ml
 Art.: 29297

WEL-TWA: 0,05 mg/m3 (Rosin-based solder flux fume)	WEL-STEL: 0,15 mg/m3 (Rosin-based solder flux fume)	---
Monitoring procedures: ---		
BMGV: ---	Other information: Sen (Rosin-based solder flux fume)	

Ⓢ	Chemical Name	2,6-di-tert-butyl-p-cresol	Content %:0,1-<0,5
WEL-TWA: 10 mg/m3	WEL-STEL: ---	---	
Monitoring procedures: ---			
BMGV: ---	Other information: ---		

Ⓢ WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). (8) = Inhalable fraction (2017/164/EU). (9) = Respirable fraction (2017/164/EU). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). (8) = Inhalable fraction (2017/164/EU). (9) = Respirable fraction (2017/164/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.
 ** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

Butanone						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	55,8	mg/l	
	Environment - marine		PNEC	55,8	mg/l	
	Environment - sediment, freshwater		PNEC	284,74	mg/kg	
	Environment - sediment, marine		PNEC	287,7	mg/kg	
	Environment - soil		PNEC	22,5	mg/kg	
	Environment - sewage treatment plant		PNEC	709	mg/l	
	Environment - sporadic (intermittent) release		PNEC	55,8	mg/l	
Consumer	Human - dermal	Long term	DNEL	412	mg/kg	
Consumer	Human - inhalation	Long term	DNEL	106	mg/m3	
Consumer	Human - oral	Long term	DNEL	31	mg/kg	
Workers / employees	Human - dermal	Long term	DNEL	1161	mg/kg	
Workers / employees	Human - inhalation	Long term	DNEL	600	mg/m3	

Ethyl acetate

GB

Page 9 of 31
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 21.09.2017 / 0013
 Replacing version dated / version: 07.03.2017 / 0012
 Valid from: 21.09.2017
 PDF print date: 22.09.2017
 Universalkleber 750 ml
 Art.: 29297

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,26	mg/l	
	Environment - marine		PNEC	0,026	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	1,65	mg/l	
	Environment - sediment, freshwater		PNEC	0,34	mg/kg	
	Environment - sediment, marine		PNEC	0,125	mg/kg	
	Environment - soil		PNEC	0,22	mg/kg	
	Environment - sewage treatment plant		PNEC	650	mg/l	
	Environment - oral (animal feed)		PNEC	200	mg/kg	
Consumer	Human - oral	Long term, systemic effects	DNEL	4,5	mg/kg	
Consumer	Human - dermal	Long term, systemic effects	DNEL	37	mg/kg	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	367	mg/m3	
Consumer	Human - inhalation	Long term, local effects	DNEL	367	mg/m3	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	734	mg/m3	
Consumer	Human - inhalation	Short term, local effects	DNEL	734	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	63	mg/kg	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	734	mg/m3	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	734	mg/m3	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	1468	mg/m3	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	1468	mg/m3	

Zinc oxide

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	20,6	µg/l	
	Environment - marine		PNEC	6,1	µg/l	
	Environment - sewage treatment plant		PNEC	52	µg/l	

GB

Page 10 of 31
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 21.09.2017 / 0013
 Replacing version dated / version: 07.03.2017 / 0012
 Valid from: 21.09.2017
 PDF print date: 22.09.2017
 Universalkleber 750 ml
 Art.: 29297

	Environment - sediment, freshwater		PNEC	118	mg/kg	
	Environment - sediment, marine		PNEC	56,5	mg/kg	
	Environment - soil		PNEC	35,6	mg/kg	
Consumer	Human - inhalation	Short term, local effects	DNEL	3,1	mg/m3	
Consumer	Human - inhalation	Long term, local effects	DNEL	1,5	mg/m3	
Consumer	Human - dermal	Long term, systemic effects	DNEL	83	mg/kg	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	2,5	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	0,83	mg/kg bw/day	
Workers / employees	Human - dermal	Short term, local effects	DNEL	6223	mg/kg bw/day	
Workers / employees	Human - dermal	Long term, local effects	DNEL	83	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	1,2	mg/m3	
Workers / employees	Human - oral	Short term, local effects	DNEL	62,2	mg/kg bw/day	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	6,2	mg/m3	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	5	mg/m3	

Rosin

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,005	mg/l	
	Environment - marine		PNEC	0,0005	mg/l	
	Environment - sewage treatment plant		PNEC	1000	mg/l	
	Environment - soil		PNEC	21,4	mg/kg	
Consumer	Human - dermal	Long term, systemic effects	DNEL	15	mg/kg bw/d	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	52,174	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	15	mg/kg bw/d	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	25	mg/kg bw/d	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	176,32	mg/m3	

8.2 Exposure controls

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 21.09.2017 / 0013

Replacing version dated / version: 07.03.2017 / 0012

Valid from: 21.09.2017

PDF print date: 22.09.2017

Universalkleber 750 ml

Art.: 29297

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.

These are specified by e.g. EN 14042.

EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:

Solvent resistant protective gloves (EN 374).

Recommended

Protective gloves in butyl rubber (EN 374).

Minimum layer thickness in mm:

0,7

Permeation time (penetration time) in minutes:

15

Protective hand cream recommended.

The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:

If OES or MEL is exceeded.

Gas mask filter A (EN 14387), code colour brown

At high concentrations:

Respiratory protection appliance (insulation device) (e.g. EN 137 or EN 138)

Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:

Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.



Page 12 of 31

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 21.09.2017 / 0013

Replacing version dated / version: 07.03.2017 / 0012

Valid from: 21.09.2017

PDF print date: 22.09.2017

Universalkleber 750 ml

Art.: 29297

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Viscous
Colour:	Amber
Odour:	Characteristic
Odour threshold:	Not determined
pH-value:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	77 °C
Flash point:	-19 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Lower explosive limit:	0,6 Vol-%
Upper explosive limit:	11,5 Vol-%
Vapour pressure:	160 hPa (20°C)
Vapour density (air = 1):	Not determined
Density:	0,86 g/cm ³ (20°C)
Bulk density:	Not determined
Solubility(ies):	Not determined
Water solubility:	partially
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	200 °C (Ignition temperature)
Decomposition temperature:	Not determined
Viscosity:	3200 mPas (20°C)
Explosive properties:	Product is not explosive. Possible build up of explosive/highly flammable vapour/air mixture.
Oxidising properties:	Not determined

9.2 Other information

Miscibility:	Not determined
Fat solubility / solvent:	Not determined
Conductivity:	Not determined
Surface tension:	Not determined
Solvents content:	75,1 %

SECTION 10: Stability and reactivity

10.1 Reactivity

The product has not been tested.

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 21.09.2017 / 0013

Replacing version dated / version: 07.03.2017 / 0012

Valid from: 21.09.2017

PDF print date: 22.09.2017

Universalkleber 750 ml

Art.: 29297

10.2 Chemical stability

Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

See also section 7.

Heating, open flame, ignition sources

10.5 Incompatible materials

See also section 7.

Avoid contact with oxidizing agents.

10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Possibly more information on health effects, see Section 2.1 (classification).

Universalkleber 750 ml

Art.: 29297

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes

GB

Page 14 of 31
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 21.09.2017 / 0013
 Replacing version dated / version: 07.03.2017 / 0012
 Valid from: 21.09.2017
 PDF print date: 22.09.2017
 Universalkleber 750 ml
 Art.: 29297

Acute toxicity, by inhalation:	LC50	>25,2	mg/l/4 h	Rat	OECD 403 (Acute Inhalation Toxicity)	Vapours
Skin corrosion/irritation:					OECD 404 (Acute Dermal Irritation/Corrosion)	Irritant
Serious eye damage/irritation:					OECD 405 (Acute Eye Irritation/Corrosion)	Mild irritant (Analogous conclusion)
Respiratory or skin sensitisation:					OECD 406 (Skin Sensitisation)	Analogous conclusion, No (inhalation and skin contact)
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Analogous conclusion, Negative
Carcinogenicity:						Analogous conclusion, Negative
Reproductive toxicity:					OECD 414 (Prenatal Developmental Toxicity Study)	Analogous conclusion, Negative
Specific target organ toxicity - single exposure (STOT-SE):						May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure (STOT-RE):						Negative
Aspiration hazard:						Yes
Symptoms:						drowsiness, unconsciousness, heart/circulatory disorders, headaches, cramps, drowsiness, mucous membrane irritation, dizziness, nausea and vomiting.

GB

Page 15 of 31
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 21.09.2017 / 0013
 Replacing version dated / version: 07.03.2017 / 0012
 Valid from: 21.09.2017
 PDF print date: 22.09.2017
 Universalkleber 750 ml
 Art.: 29297

Specific target organ toxicity - single exposure (STOT-SE), inhalative:						Not irritant (respiratory tract).
---	--	--	--	--	--	-----------------------------------

Butanone						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	3300	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	5000	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LC50	34,5	mg/l/4 h	Rat		
Skin corrosion/irritation:						Mild irritant, Repeated exposure may cause skin dryness or cracking.
Serious eye damage/irritation:						Irritant
Respiratory or skin sensitisation:						Not sensitising
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Symptoms:						respiratory distress, drowsiness, unconsciousness, drop in blood pressure, coughing, headaches, cramps, intoxication, drowsiness, mucous membrane irritation, dizziness, nausea and vomiting, mental confusion

Ethyl acetate						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes

GB

Page 16 of 31

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 21.09.2017 / 0013

Replacing version dated / version: 07.03.2017 / 0012

Valid from: 21.09.2017

PDF print date: 22.09.2017

Universalkleber 750 ml

Art.: 29297

Acute toxicity, by oral route:	LD50	4934	mg/kg	Rabbit	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>20000	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LC50	>28,6	mg/l/4 h	Rat		
Acute toxicity, by inhalation:	LCLo	>6000	ppm/6 h	Rat		Multi-Substance Rule for the Testing of Neurotoxicity 40 CFR Part 799 (58 FR 40262)
Acute toxicity, by inhalation:	LC0	29,3	mg/l/4 h	Rat		Vapours
Skin corrosion/irritation:		24	h	Rabbit		Not irritant, Repeated exposure may cause skin dryness or cracking.
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Irritant
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Not sensitising
Germ cell mutagenicity:				Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:				Mammalian	OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Germ cell mutagenicity:				Mammalian	OECD 474 (Mammalian Erythrocyte Micronucleus Test)	Negative
Carcinogenicity:						Negative
Reproductive toxicity:						Negative

GB

Page 17 of 31
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 21.09.2017 / 0013
 Replacing version dated / version: 07.03.2017 / 0012
 Valid from: 21.09.2017
 PDF print date: 22.09.2017
 Universalkleber 750 ml
 Art.: 29297

Symptoms:						lack of appetite, breathing difficulties, drowsiness, unconsciousness, drop in blood pressure, cornea opacity, coughing, headaches, gastrointestinal disturbances, intoxication, drowsiness, mucous membrane irritation, dizziness, salivation, nausea and vomiting.
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAEL	900	mg/kg bw/d	Rat	Regulation (EC) 440/2008 B.26 (SUB-CHRONIC ORAL TOXICITY TEST REPEATED DOSE 90 - DAY (RODENTS))	
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAEL	0,002	mg/kg	Rat	Regulation (EC) 440/2008 B.29 (SUB-CHRONIC INHALATION TOXICITY STUDY 90-DAY REPEATED (RODENTS))	

Rosin

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	2800	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rat		
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant

GB

Page 18 of 31
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 21.09.2017 / 0013
 Replacing version dated / version: 07.03.2017 / 0012
 Valid from: 21.09.2017
 PDF print date: 22.09.2017
 Universalkleber 750 ml
 Art.: 29297

Serious eye damage/irritation:						Mechanical irritation possible.
Respiratory or skin sensitisation:				Mouse	OECD 429 (Skin Sensitisation - Local Lymph Node Assay)	Negative, Does not conform with EU classification
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Reproductive toxicity:	NOEL	3000	ppm	Rat	OECD 421 (Reproduction/Developmental Toxicity Screening Test)	No indications of such an effect.
Specific target organ toxicity - repeated exposure (STOT-RE):	NOAEL	600	mg/kg/d	Rat	OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)	
Aspiration hazard: Symptoms:						No asthmatic symptoms, headaches, gastrointestinal disturbances, dizziness, nausea

Zinc oxide

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>15000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by inhalation:	LC50	>5,7	mg/l/4 h	Rat	OECD 403 (Acute Inhalation Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Not sensitizing
Germ cell mutagenicity:					(Ames-Test)	Negative

GB

Page 19 of 31
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 21.09.2017 / 0013
 Replacing version dated / version: 07.03.2017 / 0012
 Valid from: 21.09.2017
 PDF print date: 22.09.2017
 Universalkleber 750 ml
 Art.: 29297

Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Symptoms:						breathing difficulties, chest pain (thorax pain), diarrhoea, fever, joint pain, coughing, headaches, circulatory disorders, metal fume fever, muscle pains, mucous membrane irritation, nausea and vomiting.

2,6-di-tert-butyl-p-cresol

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	
Skin corrosion/irritation:						Slightly irritant
Serious eye damage/irritation:				Rabbit	(Draize-Test)	Slightly irritant
Respiratory or skin sensitisation:				Human being		Not sensitising
Germ cell mutagenicity:				Mammalia		Negative
Reproductive toxicity:	NOAEL	100	mg/kg	Rat		
Symptoms:						mucous membrane irritation

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

Universalkleber 750 ml
Art.: 29297

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
-------------------	----------	------	-------	------	----------	-------------	-------

GB

Page 20 of 31
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 21.09.2017 / 0013
 Replacing version dated / version: 07.03.2017 / 0012
 Valid from: 21.09.2017
 PDF print date: 22.09.2017
 Universalkleber 750 ml
 Art.: 29297

12.1. Toxicity to fish:							n.d.a.
12.1. Toxicity to daphnia:							n.d.a.
12.1. Toxicity to algae:							n.d.a.
12.2. Persistence and degradability:							n.d.a.
12.3. Bioaccumulative potential:							n.d.a.
12.4. Mobility in soil:							n.d.a.
12.5. Results of PBT and vPvB assessment							n.d.a.
12.6. Other adverse effects:							n.d.a.
Other information:							According to the recipe, contains no AOX.
Other information:							DOC-elimination degree(comp lexing organic substance) > = 80%/28d: n.a.

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.2. Persistence and degradability:		28d	81	%			Analogous conclusion
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance

Butanone

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	1690	mg/l	Lepomis macrochirus		
12.1. Toxicity to daphnia:	EC50	48h	308	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	

GB

Page 21 of 31
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 21.09.2017 / 0013
 Replacing version dated / version: 07.03.2017 / 0012
 Valid from: 21.09.2017
 PDF print date: 22.09.2017
 Universalkleber 750 ml
 Art.: 29297

12.1. Toxicity to algae:	LC50	72h	1972	mg/l	Pseudokirchneriella subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		28d	98	%		OECD 301 D (Ready Biodegradability - Closed Bottle Test)	Readily biodegradable
12.3. Bioaccumulative potential:	Log Pow		0,29			OECD 117 (Partition Coefficient (n-octanol/water) - HPLC method)	Bioaccumulation is unlikely (LogPow < 1).
12.4. Mobility in soil:	H (Henry)		0,000 0244	atm*m ³ /mol			25°C
Other information:	DOC		>70	%			
Other information:	BOD/COD		>50	%			

Ethyl acetate

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	NOEC/NOEL	32d	>9,65	mg/l	Pimephales promelas		
12.1. Toxicity to fish:	LC50	96h	230	mg/l	Pimephales promelas		
12.1. Toxicity to daphnia:	EC50	48h	610	mg/l	Daphnia magna	DIN 38412 T.11	
12.1. Toxicity to algae:	EC50	48h	5600	mg/l	Desmodesmus subspicatus	DIN 38412 T.9	
12.1. Toxicity to algae:	NOEC/NOEL	96h	2000	mg/l	Scenedesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	EC50	96h	>2000	mg/l	Pseudokirchneriella subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	>100	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:			100	%	0	OECD 301 D (Ready Biodegradability - Closed Bottle Test)	Readily biodegradable

GB

Page 22 of 31
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 21.09.2017 / 0013
 Replacing version dated / version: 07.03.2017 / 0012
 Valid from: 21.09.2017
 PDF print date: 22.09.2017
 Universalkleber 750 ml
 Art.: 29297

12.2. Persistence and degradability:		20d	79	%		OECD 301 D (Ready Biodegradability - Closed Bottle Test)	Readily biodegradable
12.3. Bioaccumulative potential:	BCF	72h	30				(Fish)
12.3. Bioaccumulative potential:	Log Kow		0,6			OECD 107 (Partition Coefficient (n-octanol/water) - Shake Flask Method)	Bioaccumulation is unlikely (LogPow < 1).
12.4. Mobility in soil:	H (Henry)		0,00012	atm*m ³ /mol			
12.4. Mobility in soil:	Koc		3				
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC10	16h	2900	mg/l	Escherichia coli		
Toxicity to bacteria:	EC50	15min	5870	mg/l	Photobacterium phosphoreum		

Rosin

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	NOELR	96h	1	mg/l	Brachydanio rerio		
12.1. Toxicity to daphnia:	LC0	48h	3,8-5,4	mg/l		OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	EC50	72h	400-410	mg/l	Scenedesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		28d	89	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	Readily biodegradable
12.3. Bioaccumulative potential:	BCF		<=130				Oncorhynchus mykiss
Toxicity to bacteria:	EC50	3h	>10000	mg/l	activated sludge	DIN EN ISO 11348-2	

GB

Page 23 of 31
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 21.09.2017 / 0013
 Replacing version dated / version: 07.03.2017 / 0012
 Valid from: 21.09.2017
 PDF print date: 22.09.2017
 Universalkleber 750 ml
 Art.: 29297

Water solubility:			<1	mg/l			20°C
-------------------	--	--	----	------	--	--	------

Zinc oxide

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	1,1-2,5	ppm	Oncorhynchus mykiss		
12.1. Toxicity to fish:	LC50	96h	3,31-8,062	mg/l	Brachydanio rerio		
12.1. Toxicity to fish:	LC50	96h	>320	mg/l	Lepomis macrochirus		
12.1. Toxicity to daphnia:	EC50	48h	1	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	EC50	72h	0,136	mg/l	Selenastrum capricornutum		
12.1. Toxicity to algae:	EC50	72h	0,17	mg/l	Selenastrum capricornutum		
12.1. Toxicity to algae:	NOEC/NOEL	72h	0,017	mg/l	Pseudokirchneriella subcapitata		
12.1. Toxicity to algae:	EC50	72h	0,17	mg/l	Selenastrum capricornutum		
12.2. Persistence and degradability:							Readily biodegradable
12.4. Mobility in soil:			158,5	L/kg			

2,6-di-tert-butyl-p-cresol

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.2. Persistence and degradability:		28d	4,5	%		OECD 301 C (Ready Biodegradability - Modified MITI Test (I))	Not readily biodegradable
12.3. Bioaccumulative potential:			230-2500		Cyprinus caprio	OECD 305 (Bioconcentration - Flow-Through Fish Test)	56d
12.3. Bioaccumulative potential:	Log Pow		5,1				
12.5. Results of PBT and vPvB assessment							No PBT substance
Toxicity to bacteria:	EC50	3h	>10000	mg/l	activated sludge		

GB

Page 24 of 31
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 21.09.2017 / 0013
 Replacing version dated / version: 07.03.2017 / 0012
 Valid from: 21.09.2017
 PDF print date: 22.09.2017
 Universalkleber 750 ml
 Art.: 29297

Other information:							Does not contain any organically bound halogens which can contribute to the AOX value in waste water.
--------------------	--	--	--	--	--	--	---

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

08 04 09 waste adhesives and sealants containing organic solvents or other hazardous substances

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

Implement substance recycling.

E.g. suitable incineration plant.

For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Untampered packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

SECTION 14: Transport information

General statements

14.1. UN number: 1133

Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:

UN 1133 ADHESIVES

14.3. Transport hazard class(es):

3

14.4. Packing group:

III

Classification code:

F1

LQ:

5 L

14.5. Environmental hazards:

environmentally hazardous

Tunnel restriction code:

E

Transport by sea (IMDG-code)

14.2. UN proper shipping name:

ADHESIVES(HYDROCARBONS, C6-C7)

14.3. Transport hazard class(es):

3



GB

Page 25 of 31
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 21.09.2017 / 0013
 Replacing version dated / version: 07.03.2017 / 0012
 Valid from: 21.09.2017
 PDF print date: 22.09.2017
 Universalkleber 750 ml
 Art.: 29297

14.4. Packing group: III
 EmS: F-E, S-D
 Marine Pollutant: Yes
 14.5. Environmental hazards: environmentally hazardous

Transport by air (IATA)

14.2. UN proper shipping name: Adhesives
 14.3. Transport hazard class(es): 3
 14.4. Packing group: III
 14.5. Environmental hazards: Not applicable



14.6. Special precautions for user

Persons employed in transporting dangerous goods must be trained.
 All persons involved in transporting must observe safety regulations.
 Precautions must be taken to prevent damage.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Freighted as packaged goods rather than in bulk, therefore not applicable.
 Minimum amount regulations have not been taken into account.
 Danger code and packing code on request.
 Comply with special provisions.

SECTION 15: Regulatory information

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

Observe restrictions:
 Comply with national regulations/laws governing maternity protection and the protection of young people at work!
 Comply with trade association/occupational health regulations.

Directive 2012/18/EU ("Seveso III"), Annex I, Part 1 - The following categories apply to this product (others may also need to be considered according to storage, handling etc.):

Hazard categories	Notes to Annex I	Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of - Lower-tier requirements	Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of - Upper-tier requirements
P5c		5000	50000
E2		200	500

The Notes to Annex 1 of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, must be taken into account when assigning categories and qualifying quantities.

Directive 2010/75/EU (VOC): 74,36 %

Observe incident regulations.

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

Page 26 of 31
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 21.09.2017 / 0013
 Replacing version dated / version: 07.03.2017 / 0012
 Valid from: 21.09.2017
 PDF print date: 22.09.2017
 Universalkleber 750 ml
 Art.: 29297

SECTION 16: Other information

Revised sections: 3, 8, 9, 11, 12, 15
 Employee training in handling dangerous goods is required.
 These details refer to the product as it is delivered.
 Employee instruction/training in handling hazardous materials is required.

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Flam. Liq. 2, H225	Classification based on test data.
Eye Irrit. 2, H319	Classification according to calculation procedure.
Skin Irrit. 2, H315	Classification according to calculation procedure.
STOT SE 3, H336	Classification according to calculation procedure.
Aquatic Chronic 2, H411	Classification according to calculation procedure.

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

- H225 Highly flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

- Flam. Liq. — Flammable liquid
- Eye Irrit. — Eye irritation
- Skin Irrit. — Skin irritation
- STOT SE — Specific target organ toxicity - single exposure - narcotic effects
- Aquatic Chronic — Hazardous to the aquatic environment - chronic
- Asp. Tox. — Aspiration hazard
- Skin Sens. — Skin sensitization
- Aquatic Acute — Hazardous to the aquatic environment - acute
- Acute Tox. — Acute toxicity - oral

Page 27 of 31

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 21.09.2017 / 0013

Replacing version dated / version: 07.03.2017 / 0012

Valid from: 21.09.2017

PDF print date: 22.09.2017

Universalkleber 750 ml

Art.: 29297

Albert Berner Deutschland GmbH
Bernerstrasse 4
D - 74653 Künzelsau
Tel +49 79 40 12 10
Fax +49 79 40 12 13 00
info@berner.de
www.berner.de

Berner Gesellschaft m.b.H.
Industriezeile 36
A - 5280 Braunau / Inn
Tel +43 77 22 800 508
Fax +43 77 22 800 184
berner@berner.co.at
www.berner.co.at

Berner Belgien NV/SA
Bernerstraat 1
B - 3620 Lanaken
Tel +31 45 533 93 133(8.00h-
16.00h)
Tel +31 6 290 27 464 (16.00h-
8.00h)
Fax +31 455 33 92 43
info@berner.be
www.berner.be

Montagetechnik Berner AG
Kägenstraße 8
CH - 4153 Reinach / Bl. 1
Tel +41 61 71 59 222
Fax +41 61 71 59 333
berner-ag@berner-ag.ch
www.berner-ag.ch

Berner A/S
Stenholm 2
DK - 9400 Nørresundby
Tel +45 99 36 15 00
Fax +45 98 19 24 14
info@berner.dk
www.berner.dk

Berner Montaje y Fijación, S.L.
P.I. "La Rosa VI"
C/Albert Berner, 2
E - 18330 Chauchina-Granada-
España
Tel +34 90 21 03 504
Fax +34 90 21 13 190
berner-spain@berner.es
www.berner.es

Berner Kft.
Táblás u. 34
H - 1097 Budapest
Tel +36 (1) 347 1059
Fax +36 (1) 347 1045
info@berner.hu
www.berner.hu

Frimann-Berner AS
Holmaveien 25
N - 1339 Vøyenenga
Tel +47 66 76 55 80
Fax +47 66 76 55 81
info@berner.no
www.berner.no

Berner Succ. Luxembourg
105, Rue des Bruyères
L - 1274 Howald
Tel +31 45 533 93 133 (8.00h-
16.00h)
Tel +31 6 290 27 464 (16.00h-
8.00h)
Fax +31 455 33 92 43
info@berner.lu
www.berner.lu

Berner spol. s r.o.
Jinonická 80
CZ - 158 00 Praha 5
Tel +420 225 390 666
Fax +420 225 390 660
berner@berner.cz
www.berner.cz

Berner,S.A.
Av. Amália Rodrigues,3510
Manique de Baixo
P - 2785-738 São Domingos de Rana
Tel ++351 21 448 90 60
Fax ++351 21 448 90 69
marketing.pt@berner.pt
www.berner.pt

Berner Polska Sp. z o.o.
Ul. Puzkarska 7J
30-644 Kraków
Tel +48 12 297 62 40
Fax +48 12 297 62 02
office@berner.pl
www.berner.pl

Albert Berner UAB
Kalvarijø 29B, LT09313,
Vilnius, Lithuania
Tel +370-52104355
Fax +370-52350020
info@berner.lt

Berner SK
Berner s r.o.
Jesenského 1
SK - 962 12 Detva
Tel (+421) 45 5410 245
Fax (+421) 45 5410 255
berner@berner.sk
www.berner.sk

Albert Berner Montagetechnik AB
Elektravägen 53
S - 126 30 Hägersten
Tel +46 85 78 77 800
Fax +46 85 78 77 805
info@berner.se
www.berner.se

Page 28 of 31

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 21.09.2017 / 0013

Replacing version dated / version: 07.03.2017 / 0012

Valid from: 21.09.2017

PDF print date: 22.09.2017

Universalkleber 750 ml

Art.: 29297

Berner Pultti Oy
Volltikatu 6
FI - 70700 Kuopio
Tel +358-207-590 220
Fax +358-207-590 221
kuopio@berner-pultti.com
www.berner-pultti.com

Mitras d.o.o
Brdnikova ulica 34e
SL-1000 Ljubljana
Tel +386-1-256-62-46
Fax +386-1-256-62-45
mitras@siol.com

BERNER d.o.o
CPM Savčica Šanci
Trgovačka 2
HR - 10000 Zagreb
Tel +38512 499 470
Fax +38512 499 480
e-mail: safetydata-hr@berner.co.at

Berner Endüstriyel Ürünler
Sanayi ve Ticaret A.Ş.
Ferhatpaşa Mah. G 7 Sok. 31/2
TR - 34858 Kartal-Samandıra /
İSTANBUL
Tel +90 (0) 216-4713077
Fax +90 (0) 216-4719625
info@berner.com.tr
www.berner.com.tr

Berner S.p.A.
Via dell'Elettronica 15
I - 37139 Verona
Tel +39 04 58 67 01 11
Fax +39 04 58 67 01 34
info@berner.it
www.berner.it

Albert Berner srl
Str. Vrancei Nr. 51 - 55
RO - 310315 Arad
Tel +40 257 212291
Fax +40 257 250460
office@berner-romania.ro
www.berner-romania.ro

Berner Produkten b.v.
Vogelzankweg 175
NL - 6374 AC Landgraaf
+31 45 53 39 133 (8.00h-16.00h)
+31 6 290 27 464 (16.00h-8.00h)
info@berner.nl
www.berner.nl

Berner s.a.r.l.
ZI Les Manteaux
F - 89331 Saint-Julien-du-Sault Cedex
Tel +33 38 69 94 400
Fax +33 38 69 94 444
contact@berner.fr
www.berner.fr

Albert Berner SIA
Liliju 20, Marupe, Mārupes novads,
LV-2167, Latvija
Tel +37167840007
Fax +371678440008
info@berner.lv

(c) COPYRIGHT 1987 - 2050 ALL
RIGHTS RESERVED

Any abbreviations and acronyms used in this document:

AC Article Categories

acc., acc. to according, according to

ACGIH American Conference of Governmental Industrial Hygienists

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)

AOEL Acceptable Operator Exposure Level

AOX Adsorbable organic halogen compounds

approx. approximately

Art., Art. no. Article number

ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)

BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)

BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)

BCF Bioconcentration factor

Page 29 of 31

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 21.09.2017 / 0013

Replacing version dated / version: 07.03.2017 / 0012

Valid from: 21.09.2017

PDF print date: 22.09.2017

Universalkleber 750 ml

Art.: 29297

BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)

BHT Butylhydroxytoluol (= 2,6-Di-*t*-butyl-4-methyl-phenol)

BMGV Biological monitoring guidance value (EH40, UK)

BOD Biochemical oxygen demand

BSEF Bromine Science and Environmental Forum

bw body weight

CAS Chemical Abstracts Service

CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids

CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques

CIPAC Collaborative International Pesticides Analytical Council

CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)

CMR carcinogenic, mutagenic, reproductive toxic

COD Chemical oxygen demand

CTFA Cosmetic, Toiletry, and Fragrance Association

DMEL Derived Minimum Effect Level

DNEL Derived No Effect Level

DOC Dissolved organic carbon

DT50 Dwell Time - 50% reduction of start concentration

DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)

dw dry weight

e.g. for example (abbreviation of Latin 'exempli gratia'), for instance

EC European Community

ECHA European Chemicals Agency

EEA European Economic Area

EEC European Economic Community

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

EN European Norms

EPA United States Environmental Protection Agency (United States of America)

ERC Environmental Release Categories

ES Exposure scenario

etc. et cetera

EU European Union

EWC European Waste Catalogue

Fax. Fax number

gen. general

GHS Globally Harmonized System of Classification and Labelling of Chemicals

GWP Global warming potential

HET-CAM Hen's Egg Test - Chorionallantoic Membrane

HGWP Halocarbon Global Warming Potential

IARC International Agency for Research on Cancer

IATA International Air Transport Association

IBC Intermediate Bulk Container

IBC (Code) International Bulk Chemical (Code)

IC Inhibitory concentration

IMDG-code International Maritime Code for Dangerous Goods

incl. including, inclusive

IUCLID International Uniform Chemical Information Database

LC lethal concentration

LC50 lethal concentration 50 percent kill

Page 30 of 31

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 21.09.2017 / 0013

Replacing version dated / version: 07.03.2017 / 0012

Valid from: 21.09.2017

PDF print date: 22.09.2017

Universalkleber 750 ml

Art.: 29297

LCLo lowest published lethal concentration

LD Lethal Dose of a chemical

LD50 Lethal Dose, 50% kill

LDLo Lethal Dose Low

LOAEL Lowest Observed Adverse Effect Level

LOEC Lowest Observed Effect Concentration

LOEL Lowest Observed Effect Level

LQ Limited Quantities

MARPOL International Convention for the Prevention of Marine Pollution from Ships

n.a. not applicable

n.av. not available

n.c. not checked

n.d.a. no data available

NIOSH National Institute of Occupational Safety and Health (United States of America)

NOAEC No Observed Adverse Effective Concentration

NOAEL No Observed Adverse Effect Level

NOEC No Observed Effect Concentration

NOEL No Observed Effect Level

ODP Ozone Depletion Potential

OECD Organisation for Economic Co-operation and Development

org. organic

PAH polycyclic aromatic hydrocarbon

PBT persistent, bioaccumulative and toxic

PC Chemical product category

PE Polyethylene

PNEC Predicted No Effect Concentration

POCP Photochemical ozone creation potential

ppm parts per million

PROC Process category

PTFE Polytetrafluorethylene

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)

REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.

RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)

SADT Self-Accelerating Decomposition Temperature

SAR Structure Activity Relationship

SU Sector of use

SVHC Substances of Very High Concern

Tel. Telephone

ThOD Theoretical oxygen demand

TOC Total organic carbon

TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)

UN RTDG United Nations Recommendations on the Transport of Dangerous Goods

VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))

VOC Volatile organic compounds

vPvB very persistent and very bioaccumulative

WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).

WHO World Health Organization

GB

Page 31 of 31

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 21.09.2017 / 0013

Replacing version dated / version: 07.03.2017 / 0012

Valid from: 21.09.2017

PDF print date: 22.09.2017

Universalkleber 750 ml

Art.: 29297

wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.