Revision date / version: 13.10.2023 / 0012

Revision date / version: 13.10.2023 / 0012 Replacing version dated / version: 19.10.2022 / 0011 Valid from: 13.10.2023 PDF print date: 16.10.2023 GU-PLAST PVC Kleber Transparent Art.: H-00012-00-0-0 GU-PLAST PVC Kleber weiß Art.: 9-38968-00-0-7

## 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

**GU-PLAST PVC Kleber Transparent** 

Art.: H-00012-00-0-0

**GU-PLAST PVC Kleber weiß** 

Art.: 9-38968-00-0-7

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

Relevant identified uses of the substance or mixture:

Uses advised against:

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

Tel: +49 (0)7156-301-0 Fax: +49 (0)7156-301-293 Frank.Schuele@g-u.de

www.g-u.com

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

Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (WIC) +1 872 5888271 (WIC)

### **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. H225-Highly flammable liquid and vapour. Eye Irrit. 2 H319-Causes serious eye irritation. STOT SE 3 H335-May cause respiratory irritation. STOT SE 3 H336-May cause drowsiness or dizziness. H351-Suspected of causing cancer.

### 2.2 Label elements

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







## Danger

H225-Highly flammable liquid and vapour. H319-Causes serious eye irritation. H335-May cause respiratory irritation. H336-May cause drowsiness or dizziness. H351-Suspected of causing cancer.

P201-Obtain special instructions before use. P210-Keep away from heat, hot surfaces, sparks. open flames and other ignition sources. No smoking. P261-Avoid breathing vapours or spray. P280-Wear protective gloves / protective clothing and eye protection / face protection. P403+P213-Texposed or concerned: Get medical advice / attention. P403+P233-Store in a well-ventilated place. Keep container tightly closed.

EUH019-May form explosive peroxides.

Acetone Tetrahydrofuran

# 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 %).

The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %). Dangerous vapours heavier than air. In case of spreading near the ground, flashback to distance sources of ignition is possible.

## **SECTION 3: Composition/information on ingredients**

## 3.1 Substances

## 3.2 Mixtures

Tetrahydrofuran	Substance for which an EU exposure limit value applies.
Registration number (REACH)	01-2119444314-46-XXXX
Index	603-025-00-0
EINECS, ELINCS, NLP, REACH-IT List-No.	203-726-8
CAS	109-99-9
content %	50-70
Classification according to Regulation (EC) 1272/2008	EUH019
(CLP), M-factors	Flam. Liq. 2, H225
	Acute Tox. 4, H302
	Eye Irrit. 2, H319
	Carc. 2, H351
	STOT SE 3, H335
	STOT SE 3, H336
Specific Concentration Limits and ATE	Eye Irrit. 2, H319: >=25 %
•	STOT SE 3, H335: >=25 %

Acetone	Substance for which an EU exposure limit value applies.
Registration number (REACH)	01-2119471330-49-XXXX
Index	606-001-00-8
EINECS, ELINCS, NLP, REACH-IT List-No.	200-662-2
CAS	67-64-1
content %	1-10
Classification according to Regulation (EC) 1272/2008	EUH066
(CLP), M-factors	Flam. Liq. 2, H225
	Eye Irrit. 2, H319
	STOT SE 3, H336

Titanium dioxide (in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 μm)	
Registration number (REACH)	01-2119489379-17-XXXX
Index	022-006-002
EINECS, ELINCS, NLP, REACH-IT List-No.	236-675-5
CAS	13463-67-7
content %	<1
Classification according to Regulation (EC) 1272/2008	Carc. 2, H351 (as inhalation)
(CLP), M-factors	

Impurities, test data and additional information may have been taken into account in classifying and labelling

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

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 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. The addition of the highest concentrations listed here can result in a classification. Only when this classification is listed in Section 2 does it apply. In all other cases the total concentration is below the

## **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

First-aiders should ensure they are prot

Never pour anything into the mouth of an unconscious person!

### Inhalation

classification

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.

Unsuitable cleaning product:

### Eve 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.

# 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. In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours. If solvent components are inhaled above the air threshold-value:

Irritation of the respiratory tract Coughing Headaches

Dizziness

Effects/damages the central nervous system Coordination disorders

4.3 Indication of any immediate medical attention and special treatment needed

### **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media Suitable extinguishing media

Extinction powder

Water jet spray Alcohol resistant foam

# Unsuitable extinguishing media

# 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 or gas/air mixtures

# 5.3 Advice for firefighters

For personal protective equipment see Section 8. In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire Full protection, if necessary.

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

**6.1.1 For non-emergency personnel**In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination.

Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

Leave the danger zone if possible, use existing emergency plans if necessary.

Keep non-essential personnel away.

Remove possible causes of ignition - do not smoke.

(B) Page 2 of 7 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II	WEL-TWA: 10 mg/m 4 mg/m3 (res. dust)	3 (total inh. dust), W	/EL-STEL:				
Revision date / version: 13.10.2023 / 0012 Replacing version dated / version: 19.10.2022 / 0011	Monitoring procedures BMGV:	:		Other is	nformation	n:	
Valid from: 13.10.2023 PDF print date: 16.10.2023 GU-PLAST PVC Kleber Transparent							
Art.: H-00012-00-0-0 GU-PLAST PVC Kleber weiß Art.: 9-38968-00-0-7	Tetrahydrofuran Area of application	Exposure route / Environmental	Effect on health	Descri ptor	Valu e	Unit	Note
Ensure sufficient supply of air. Avoid inhalation, and contact with eyes or skin.		Environment - freshwater		PNEC	4,32	mg/l	
If applicable, caution - risk of slipping.		Environment - marine		PNEC	0,43	mg/l	
<b>6.1.2 For emergency responders</b> See section 8 for suitable protective equipment and material specifications.		Environment - sediment, freshwater		PNEC	23,3	mg/kg	
6.2 Environmental precautions If leakage occurs, dam up.		Environment - sediment, marine		PNEC	2,33	mg/kg	
Resolve leaks if this possible without risk.  Prevent surface and ground-water infiltration, as well as ground penetration.		Environment - soil Environment - oral		PNEC PNEC	2,13 67	mg/kg mg/kg	
Prevent from entering drainage system.  If accidental entry into drainage system occurs, inform responsible authorities.		(animal feed) Environment -		PNEC	4,6	mg/l	
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		sewage treatment plant				_	
according to Section 13.  6.4 Reference to other sections	Consumer	Human - inhalation	Short term, systemic effects	DNEL	52	mg/m3	
For personal protective equipment see Section 8 and for disposal instructions see Section 13.	Consumer	Human - inhalation	Short term, local effects	DNEL	150	mg/m3	
SECTION 7: Handling and storage	Consumer	Human - dermal Human - inhalation	Long term, systemic effects	DNEL	1,5	mg/kg bw/d	
In addition to information given in this section, relevant information can also be found in section 8 and 6.1.	Consumer	Human - inhalation	Long term, systemic effects Long term,	DNEL	75	mg/m3	
7.1 Precautions for safe handling 7.1.1 General recommendations	Consumer	Human - oral	local effects Long term,	DNEL	1,5	mg/kg	
Avoid inhalation of the vapours. Ensure good ventilation.	Workers /	Human - inhalation	systemic effects Short term,	DNEL	96	bw/d mg/m3	
If applicable, suction measures at the workstation or on the processing machine necessary.  Keep away from sources of ignition - Do not smoke.	employees Workers /	Human - inhalation	systemic effects Short term,	DNEL	300	mg/m3	
Take measures against electrostatic charging, if appropriate. Avoid contact with eyes or skin.	employees Workers /	Human - dermal	local effects Long term,	DNEL	12,6	mg/kg	
Handle and open container with care. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.	employees Workers /	Human - inhalation	systemic effects Long term,	DNEL	72,4	bw/d mg/m3	
Observe directions on label and instructions for use. Use working methods according to operating instructions. 7.1.2 Nates on general byginne most large at the workplace.	employees Workers /	Human - inhalation	systemic effects Long term,	DNEL	150	mg/m3	
7.1.2 Notes on general hygiene measures at the workplace General hygiene measures for the handling of chemicals are applicable.	employees		local effects				
Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs.	Acetone	Evmanus vauta /	Effect on	Deceri	Valu	Hait	Nata
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.  7.2 Conditions for safe storage, including any incompatibilities	Area of application	Exposure route / Environmental	health	Descri ptor	e valu	Unit	Note
Keep out of access to unauthorised individuals.  Not to be stored in gangways or stair wells.		Environment - marine		PNEC	1,06	mg/l	Asses
Store product closed and only in original packing. Observe special storage conditions. Do not store with flammable or self-igniting materials.		marine					factor 500
Solvent resistant floor Protect from direct sunlight and warming.		Environment - freshwater		PNEC	10,6	mg/l	Asses ment
Store cool. Store in a dry place.							factor 50
7.3 Specific end use(s) Adhesive		Environment - sediment, freshwater		PNEC	30,4	mg/kg dw	
Observe the instructions for good working practice and the recommendations for risk assessment.  Consult hazardous substance information systems, e.g. from the professional associations, the chemical		Environment - sediment, marine		PNEC	3,04	mg/kg dw	
industry or different industries, depending on the application (building materials, wood, chemistry, laboratory, leather, metal).		Environment - soil		PNEC	29,5	mg/kg dw	
SECTION 8: Exposure controls/personal protection		Environment - sewage treatment plant		PNEC	19,5	mg/l	
8.1 Control parameters		Environment - sporadic (intermittent) release		PNEC	21	mg/l	Asses ment factor
(B) Chemical Name Tetrahydrofuran	Consumer	Human - oral	Long term,	DNEL	62	mg/kg	100 Overall
WEL-TWA: 50 ppm (150 mg/m3) WEL-STEL: 100 ppm (300 mg/m3) (WEL, EU) (WEL, EU)			systemic effects			bw/day	asses ment
Monitoring procedures: - Compur - KITA-102 SA(C) (548 534) - Compur - KITA-162 U (550 366) DFG (D) MethNr. 2 (Tetrahydrofuran), DFG (E) (Tetrahydrofuran)	Consumer	Human - dermal	Long term, systemic effects	DNEL	62	mg/kg bw/day	factor 2 Overall
<ul> <li>- 2014, 1999</li> <li>INSHT MTA/MA-049/A01 (Determination of tetrahydrofuran in air - Charcoal tube method / Gas chromatography) - 2001 - EU project</li> <li>BC/CEN/ENTR/000/2002-16 card 24-1 (2004)</li> </ul>			systemic enects			DW/day	asses ment factor 20
- NIOSH 1609 (TETRAHYDROFURAN) - 1994 NIOSH 3800 (ORGANIC AND INORGANIC GASES BY	Consumer	Human - inhalation	Long term, systemic effects	DNEL	200	mg/m3	Overall asses
- EXTRACTIVE FTIR SPECTROMETRY) - 2016  BMGV: Other information: Sk (WEL)							ment factor
Chemical Name	Workers /	Human - dermal	Long term, systemic effects	DNEL	186	mg/kg bw/day	5
WEL-1VA: 500 ppm (1210 mg/m3)   WEL-51EL: 1500 ppm (3620 mg/m3)   (WEL, EU)   (WEL)   Monitoring procedures: - Draeger - Acetone 100/b (CH 22 901)	employees Workers / employees	Human - inhalation	Short term, local effects	DNEL	242 0	mg/m3	
- Draeger - Acetone 40/a (5) (81 03 381) - Compur - KITA-102 SA (548 534)	Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	121 0	mg/m3	
- Compur - KITA-102 SC (548 550) - Compur - KITA-102 SD (551 109)	. , . ,						
INSHT MTA/MA-031/A96 (Determination of ketones (acetone, methyl ethyl ketone, methyl isobutyl ketone) in air - Charcoal tube	μm)	oowder form containing	· · · · · · · · · · · · · · · · · · ·				
method / Gas chromatography) - 1996 - EU project - BC/CEN/ENTR/000/2002-16 card 67-1 (2004)	Area of application	Exposure route / Environmental	Effect on health	Descri ptor	Valu e	Unit	Note
MDHS 72 (Volatile organic compounds in air – Laboratory method using pumper solid soften tubes, thermal desorption and gas		compartment Environment -		PNEC	0,18	mg/l	
- chromatography) - 1993 - NIOSH 1300 (KETONES I) - 1994 NIOSH 2549 (VOLATILE ORGANIC COMPOUNDS		freshwater Environment - marine		PNEC	0,01 84	mg/l	
- (SCREENING)) - 1996 - NIOSH 2555 (KETONES I) - 2003		Environment - water, sporadic		PNEC	0,19	mg/l	
NIOSH 3800 (ORGANIC AND INORGANIC GASES BY - EXTRACTIVE FTIR SPECTROMETRY) - 2016		(intermittent) release Environment -		PNEC	100	mg/l	
- OSHA 69 (Acetone) - 1988 BMGV: Other information:		sewage treatment				.5.	
(B) Chemical Name Titanium dioxide (in powder form containing 1 % or more of		Environment - sediment, freshwater		PNEC	100 0	mg/kg dw	
particles with aerodynamic diameter <= 10 μm)  WEL-TWA: 10 mg/m3 (total inhalable dust), 4 mg/m3 (respirable dust)		Environment - sediment, marine		PNEC	100	mg/kg dw	
dusty, 4 mg/m3 (respiratole dust)  Monitoring procedures:  BMGV:  Other information:		Environment - soil		PNEC	100	mg/kg dw	
(GB) Chemical Name Silicon dioxide	Conguest	Environment - oral (animal feed)	Longton	PNEC	166 7	mg/kg feed	
WEL-TWA: 6 mg/m3 (total inh. dust), WEL-STEL: 2,4 mg/m3 (resp. dust)	Consumer Workers /	Human - oral Human - inhalation	Long term, systemic effects Long term,	DNEL	700	mg/kg bw/d mg/m3	
Monitoring procedures: BMGV: Other information:	employees	Traman - imidiation	local effects	DINEL	10	mynno	
(GB) Chemical Name Poly vinyl chloride	Silicon dioxide						
0	Silicon dioxide						

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Area of application	Exposure route / Environmental compartment	Effect on health	Descri ptor	Valu e	Unit	Note
	Environment - oral		PNEC	600	mg/kg	
	(animal feed)			00	feed	
Workers /	Human - inhalation	Long term,	DNEL	4	mg/m3	
employees		local effects				

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 (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction, Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).

(8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute

(a) = Imitiation (activities) = Respiration (act the goal of revision.

(13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE). (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

### 8.2 Exposure controls

### 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.

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 ISO 374). With short-term contact: Protective gloves made of butyl (EN ISO 374).

Minimum layer thickness in mm

>= 0.70

Permeation time (penetration time) in minutes:

>= 10

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical

The recommended maximum wearing time is 50% of breakthrough time

Protective hand cream recommended.

Skin protection - Other: Solvent resistant protection clothing (EN 13034)

Respiratory protection:

Trespiratory protection.

If OES or MEL is exceeded.

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

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

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

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

## 8.2.3 Environmental exposure controls

No information available at pre

## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties Physical state:

Colour: Odour:

Melting point/freezing point:
Boiling point or initial boiling point and boiling range:
Flammability:
Lower explosion limit:

Upper explosion limit:

Flash point: Auto-ignition temperature: Decomposition temperature:

. Kinematic viscosity:

Solubility: Partition coefficient n-octanol/water (log value):

Vapour pressure:
Density and/or relative density:
Relative vapour density:
Particle characteristics:

9.2 Other information

Aerosols - Chemical heat of combustion: Oxidising liquids

According to specification Characteristic

There is no information available on this parameter. There is no information available on this parameter

Flammable 1,5 Vol-% 12 Vol-% -14 °C

There is no information available on this parameter There is no information available on this parameter. There is no information available on this parameter. n.a. 3500 - 4500 mPas (Dynamic viscosity)

Mixable

Does not apply to mixtures There is no information available on this parameter.

~0,99 g/cm3 (20°C)
There is no information available on this parameter.
Does not apply to liquids.

Product is not explosive. When using: development of explosive vapour/air mixture possible There is no information available on this parameter.

inhalat.:

Bulk density: Molar mass: Metal content

There is no information available on this parameter. There is no information available on this parameter.

## **SECTION 10: Stability and reactivity**

10.1 Reactivity

10.2 Chemical stability
Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

See also section 7.

Heating, open flame, ignition sources Electrostatic charge

10.5 Incompatible materials

10.6 Hazardous decomposition products See also section 5.2

No decomposition when used as directed.

# **SECTION 11: Toxicological information**

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

Possibly more information on health effects, see Section 2.1 (classification) GU-PLAST PVC Kleber Transparent

wielter I effect	Endno	Value	
t.: 9-38968-00-0-7			
J-PLAST PVC Kleber	wells		

Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes
Acute toxicity, by oral	ATE	>2000	mg/k			calculated
route:			g			value
Acute toxicity, by						n.d.a.
dermal route:						
Acute toxicity, by						n.d.a.
inhalation:						
Skin						n.d.a.
corrosion/irritation:						
Serious eye						n.d.a.
damage/irritation:						
Respiratory or skin						n.d.a.
sensitisation:						
Germ cell						n.d.a.
mutagenicity:						
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ						n.d.a.
toxicity - single						
exposure (STOT-SE):						
Specific target organ						n.d.a.
toxicity - repeated						
exposure (STOT-RE):						
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.
Tetrahydrofuran	For days	Malara	11-11	0	To at an ath a d	N-t

7 opiration nazara.						m.a.a.
Symptoms:						n.d.a.
Tetrahydrofuran						
Toxicity / effect	Endpo	Value	Unit	Organis m	Test method	Notes
Acute toxicity, by oral route:	LD50	1650	mg/k g	Rat		
Acute toxicity, by dermal route:	LD50	>2000	mg/k g	Rat	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	>14,7	mg/l/ 6h	Rat	TOXICITY)	
Skin corrosion/irritation:				Rabbit		Not irritant
Serious eye damage/irritation:				Rabbit	(Draize-Test)	Intensively irritant
Respiratory or skin sensitisation:				Mouse	OECD 429 (Skin Sensitisation - Local Lymph Node Assay)	No (skin contact)
Germ cell mutagenicity:				Mammali an	OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Germ cell mutagenicity:				Salmonel la typhimuri um	OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:				Mouse	OECD 474 (Mammalian Erythrocyte Micronucleus Test)	Negative
Germ cell mutagenicity:				Mammali an	OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Carcinogenicity:	NOAE C	1800	ppm	Rat		
Reproductive toxicity:	NOAE L	1800	ppm	Rat	OECD 414 (Prenatal Developmental Toxicity Study)	
Reproductive toxicity:	NOAE L	9000	mg/k g	Rat	OECD 416 (Two- generation Reproduction Toxicity Study)	
Specific target organ toxicity - single exposure (STOT-SE):						STOT SE 3, H335, STOT SE 3, H336
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAE L	113,3	mg/k g	Rat	OECD 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)	
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAE C	1800	ppm/ 6h/d	Rat	,	(14 d)
Specific target organ toxicity - repeated exposure (STOT-RE),	NOAE C	200	ppm/ 6h/d	Mouse		(14 d)

~ ———													
Page 4 of 7	ling to Bogu	lation (EC) N	o 1007/200	ne Appoy II			Germ cell				Mouse	OECD 474 (Mammalian	Negative
Safety data sheet accord Revision date / version:	13.10.2023	/ 0012		o, Annex II			mutagenicity:					Erythrocyte	
Replacing version dated Valid from: 13.10.2023	/ version: 19	9.10.2022 / 0	011									Micronucleus Test)	
PDF print date: 16.10.20 GU-PLAST PVC Kleber							Germ cell mutagenicity:				Mammali an	OECD 473 (In Vitro	Negative
Art.: H-00012-00-0-0	•						mutagenicity.				an	Mammalian	
GU-PLAST PVC Kleber Art.: 9-38968-00-0-7	weils											Chromosome Aberration Test)	
Symptoms:				I		respiratory	Germ cell mutagenicity:				Salmonel	(Ames-Test)	Negative
Symptoms.						distress,	mutagemony.				typhimuri		
						chest pain (thorax	Germ cell				um	OECD 476 (In	Negative
						pain), coughing,	mutagenicity:					Vitro Mammalian Cell	
						itching,						Gene Mutation	
						headaches, ear	Germ cell					Test) OECD 471	Negative
						noises, drowsiness	mutagenicity:					(Bacterial Reverse	
						, mucous membrane	Reproductive toxicity				Rat	Mutation Test) OECD 414	No
						irritation,	(Developmental				Ivai	(Prenatal	indications
						dizziness, visual	toxicity):					Developmental Toxicity Study)	of such an effect.
						disturbance s, nausea	Specific target organ toxicity - single						Not irritant (respiratory
						and	exposure (STOT-SE):	NOAE	2500		Det		tract).
	l		1			vomiting.	Specific target organ toxicity - repeated	NOAE L	3500	mg/k g/d	Rat		(90d)
Acetone Toxicity / effect	Endpo	Value	Unit	Organis	Test method	Notes	exposure (STOT-RE), oral:						
	int			m			Specific target organ	NOAE C	10	mg/m 3	Rat		(90d)
Acute toxicity, by oral route:	LD50	5800	mg/k g	Rat	OECD 401 (Acute Oral		toxicity - repeated exposure (STOT-RE),			3			
Acute toxicity, by	LD50	>15800	mg/k	Rat	Toxicity)		inhalat.: Symptoms:						mucous
dermal route: Acute toxicity, by	LC50	76	g	Rat									membrane irritation,
inhalation:	LC30	70	mg/l/ 4h			N. C. S.							coughing,
Skin corrosion/irritation:				Guinea pig	_	Not irritant, Repeated							respiratory distress,
-						exposure may cause							drying of the skin.
						skin dryness or	Silicon dioxide						
				5.11.5	0500 105	cracking.	Toxicity / effect	Endpo	Value	Unit	Organis	Test method	Notes
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye	Eye Irrit. 2	Acute toxicity, by oral	int LD50	>5000	mg/k	m Rat	OECD 401	Analogous
					Irritation/Corrosio		route:			g		(Acute Oral Toxicity)	conclusion
Respiratory or skin				Guinea	OECD 406 (Skin	Not	Acute toxicity, by	LD50	>5000	mg/k	Rabbit	- CAIGNY)	References
sensitisation:				pig	Sensitisation)	sensitizisin g	dermal route: Acute toxicity, by	LC50	>0,139	mg/l/	Rat		References
Germ cell mutagenicity:				Mouse	OECD 476 (In Vitro	Negative	inhalation:			4h			, Maximum achievable
5 - 7					Mammalian Cell Gene Mutation								concentrati on.
0				0.:	Test)	N. C	Skin				Rabbit	OECD 404	Not irritant
Germ cell mutagenicity:				Salmonel la	OECD 471 (Bacterial	Negative	corrosion/irritation:					(Acute Dermal Irritation/Corrosio	
				typhimuri um	Reverse Mutation Test)		Serious eye				Rabbit	n)	Not irritant,
Germ cell				Mammali	OECD 473 (In Vitro	Negative	damage/irritation:						Mechanical
mutagenicity:				an	Mammalian								irritation possible.,
					Chromosome Aberration Test)		Respiratory or skin				Guinea	OECD 406 (Skin	References Not
Carcinogenicity:				Mouse	,	Negative, References	sensitisation:				pig	Sensitisation)	sensitizisin
Specific target organ						STOT SE	Germ cell					OECD 471	g Negative
toxicity - single exposure (STOT-SE):						3, H336	mutagenicity:					(Bacterial Reverse	
Reproductive toxicity (Developmental				Rat	OECD 414 (Prenatal	Negative	Carcinogenicity:					Mutation Test)	No
toxicity):					Developmental		Caromogornony.						indications
Symptoms:					Toxicity Study)	unconsciou							of such an effect.
						sness, vomiting,	Reproductive toxicity (Developmental						No indications
						headaches,	toxicity):						of such an
						gastrointes tinal	Symptoms:						effect. eyes,
						disturbance s, fatigue,							reddened
						mucous membrane	11.2. Information						
						irritation,	GU-PLAST PVC Klebe Art.: H-00012-00-0-0	•	ıt				
						dizziness, nausea,	GU-PLAST PVC Klebe Art.: 9-38968-00-0-7	er weiß					
Specific target organ	NOAE	900	mg/k	Rat	OECD 408	drowsiness	Toxicity / effect	Endpo	Value	Unit	Organis	Test method	Notes
toxicity - repeated exposure (STOT-RE),	L	-	g bw/d		(Repeated Dose 90-Day Oral		Endocrine disrupting	int			m		Does not
exposure (STOT-RE), oral:			Jw/u		Toxicity Study in		properties:						apply to mixtures.
				<u> </u>	Rodents)		Other information:						No other
	wder form	containing 1	% or more	e of particles	with aerodynamic di	ameter <= 10							relevant information
		Value	Unit	Organis	Test method	Notes							available on adverse
μm)	Endpo		1	m	OECD 425								effects on health.
µm) Toxicity / effect	Endpo int LD50	>5000	mg/k	Rat			i .				1		noaiui.
μm) Toxicity / effect  Acute toxicity, by oral	int	>5000	mg/k g	Rat	(Acute Oral								
μm) Toxicity / effect  Acute toxicity, by oral	int	>5000		Rat	(Acute Oral Toxicity - Up- and-Down			SECTIO	ON 12: E	coloai	ical infor	mation	
μm) Toxicity / effect Acute toxicity, by oral route: Acute toxicity, by	int	>5000		Rat	(Acute Oral Toxicity - Up-			SECTIO	ON 12: E	Cologi	ical infor	mation	
pm) Toxicity / effect  Acute toxicity, by oral route:  Acute toxicity, by dermal route:	LD50	>5000	g mg/k g	Rabbit	(Acute Oral Toxicity - Up- and-Down		Possibly more informat	tion on enviror	nmental effec				
nm) Toxicity / effect  Acute toxicity, by oral route:  Acute toxicity, by dermal route:  Acute toxicity, by halation:	int LD50		g	Rabbit Rat	(Acute Oral Toxicity - Up- and-Down Procedure)		GU-PLAST PVC Klebe Art.: H-00012-00-0-0	tion on enviror er Transparei	nmental effec				
Toxicity / effect  Acute toxicity, by oral route:  Acute toxicity, by dermal route: Acute toxicity, by dermal route: Acute toxicity, by nhalation: Skin	LD50	>5000	g mg/k g mg/l/	Rabbit	(Acute Oral Toxicity - Up- and-Down Procedure)	Not irritant	GU-PLAST PVC Klebe Art.: H-00012-00-0-0 GU-PLAST PVC Klebe	tion on enviror er Transparei	nmental effec				
Toxicity / effect  Acute toxicity, by oral route:  Acute toxicity, by dermal route: Acute toxicity, by dermal route: Acute toxicity, by nhalation: Skin	LD50	>5000	g mg/k g mg/l/	Rabbit Rat	(Acute Oral Toxicity - Up- and-Down Procedure)  OECD 404 (Acute Dermal Irritation/Corrosio	Not irritant	GU-PLAST PVC Klebe Art.: H-00012-00-0-0 GU-PLAST PVC Klebe Art.: 9-38968-00-0-7 Toxicity / effect	tion on enviror er Transparei er weiß Endpoin	nmental effect	ts, see Sec		ification).	Notes
pm) Toxicity / effect  Acute toxicity, by oral route:  Acute toxicity, by dermal route:  Acute toxicity, by inhalation: Skin corrosion/irritation:  Serious eye	LD50	>5000	g mg/k g mg/l/	Rabbit Rat	(Acute Oral Toxicity - Up- and-Down Procedure)  OECD 404 (Acute Dermal Irritation/Corrosio n) OECD 405	Not irritant,	GU-PLAST PVC Klebe Art.: H-00012-00-0-0 GU-PLAST PVC Klebe Art.: 9-38968-00-0-7 Toxicity / effect E t	tion on enviror er Transparei er weiß Endpoin	nmental effec	ts, see Sec	ction 2.1 (class	ification).	Notes n.d.a.
Titanium dioxide (in poum) Toxicity / effect  Acute toxicity, by oral route:  Acute toxicity, by dermal route: Acute toxicity, by inhalation: Skin corrosion/irritation:  Serious eye damage/irritation:	LD50	>5000	g mg/k g mg/l/	Rabbit Rat Rabbit	(Acute Oral Toxicity - Up- and-Down Procedure)  OECD 404 (Acute Dermal Irritation/Corrosio n)  OECD 405 (Acute Eye Irritation/Corrosio	Not irritant, Mechanical irritation	GU-PLAST PVC Klebe Art.: H-00012-00-0-0 GU-PLAST PVC Klebe Art.: 9-38968-00-0-7 Toxicity / effect E t 12.1. Toxicity to fish:	tion on enviror er Transparei er weiß Endpoin	nmental effec	ts, see Sec	ction 2.1 (class	ification).	n.d.a.
Toxicity / effect  Acute toxicity, by oral route:  Acute toxicity, by dermal route:  Acute toxicity, by dermal route: Acute toxicity, by inhalation: Skin corrosion/irritation:  Serious eye damage/irritation:	LD50	>5000	g mg/k g mg/l/	Rabbit Rat Rabbit	(Acute Oral Toxicity - Up- and-Down Procedure)  OECD 404 (Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n)	Not irritant, Mechanical	GU-PLAST PVC Klebe Art.: H-00012-00-0-0 GU-PLAST PVC Klebe Art.: 9-38968-00-0-7 Toxicity / effect  t 12.1. Toxicity to fish: 12.1. Toxicity to daphnia:	tion on enviror er Transparei er weiß Endpoin	nmental effec	ts, see Sec	ction 2.1 (class	ification).	n.d.a.
Toxicity / effect  Acute toxicity, by oral route:  Acute toxicity, by oral route:  Acute toxicity, by dermal route:  Acute toxicity, by inhalation:  Skin corrosion/irritation:  Serious eye damage/irritation:  Respiratory or skin	LD50	>5000	g mg/k g mg/l/	Rabbit Rat Rabbit Rabbit	(Acute Oral Toxicity - Up- and-Down Procedure)  OECD 404 (Acute Dermal Irritation/Corrosio n) OECD 405 (Acute Eye Irritation/Corrosio n) OECD 429 (Skin Sensitisation -	Not irritant, Mechanical irritation possible. Not sensitizisin	GU-PLAST PVC Klebe Art.: H-00012-00-0-0 GU-PLAST PVC Klebe Art.: 9-38968-00-0-7 Toxicity / effect t 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to algae:	tion on enviror er Transparei er weiß Endpoin	nmental effec	ts, see Sec	ction 2.1 (class	ification).	n.d.a. n.d.a. n.d.a.
mm) Toxicity / effect  Acute toxicity, by oral route:  Acute toxicity, by dermal route:  Acute toxicity, by inhalation: Skin corrosion/irritation:  Serious eye	LD50	>5000	g mg/k g mg/l/	Rabbit Rat Rabbit Rabbit	(Acute Oral Toxicity - Up- and-Down Procedure)  OECD 404 (Acute Dermal Irritation/Corrosio n)  OECD 405 (Acute Eye Irritation/Corrosio n)  OECD 429 (Skin	Not irritant, Mechanical irritation possible. Not	GU-PLAST PVC Klebe Art.: H-00012-00-0-0 GU-PLAST PVC Klebe Art.: 9-38968-00-0-7 Toxicity / effect E 12.1. Toxicity to fish: 12.1. Toxicity to daphnia: 12.1. Toxicity to	tion on enviror er Transparei er weiß Endpoin	nmental effec	ts, see Sec	ction 2.1 (class	ification).	n.d.a.

Page 5 of 7 Safety data sheet a Revision date / vers Replacing version of Valid from: 13.10.2 PDF print date: 16.	sion: 13.10.20 dated / versior 023 10.2023	23 / 0012 i: 19.10.2	2		s, Annex II			12.2. Persistence and degradability:		28d	91	%		OECD 301 A (Ready Biodegradab ility - DOC Die-Away Test)	Readily biodegra ble
GU-PLAST PVC KI Art.: H-00012-00-0- GU-PLAST PVC KI Art.: 9-38968-00-0-	-0 leber weiß	rent						12.2. Persistence and degradability:		28d	91	%		OECD 301 B (Ready Biodegradab ility - Co2 Evolution	Readily biodegra ble
12.3. Bioaccumulative potential:							n.d.a.	12.3. Bioaccumulative	Log Pow		- 0,24			Test) OECD 107 (Partition	
12.4. Mobility in soil: 12.5. Results of							n.d.a.	potential:						Coefficient (n- octanol/wate	
PBT and vPvB assessment 12.6. Endocrine							Does not							r) - Shake Flask Method)	
disrupting properties:							apply to mixtures.	12.3. Bioaccumulative	BCF		0,19				Low
12.7. Other adverse effects:							No information available on other	potential: 12.4. Mobility in soil: 12.5. Results of							No adsorpti in soil. No PBT
							adverse effects on the environmen t.	PBT and vPvB assessment  Toxicity to	EC10	30m	100	mg/l	activated	OECD 209	substant No vPvB substant
Tetrahydrofuran							-	bacteria:	2010	in	0	mg/i	sludge	(Activated Sludge,	
Toxicity / effect 12.1. Toxicity to	Endpoin t LC50	Tim e 96h	<b>Valu e</b> 216	Unit mg/l	Organism Pimephales	Test method OECD 203	Notes							Respiration Inhibition Test	
fish:			0		promelas	(Fish, Acute Toxicity Test)								(Carbon and Ammonium	
12.1. Toxicity to fish:	NOEC/N OEL LC50	33d 48h	216 348	mg/l mg/l	Pimephales promelas Daphnia	OECD 202		Toxicity to bacteria:	BOD/CO D	16h	170 0	mg/l	Pseudomon as putida	Oxidation))	
daphnia:	2500	roil	5		magna	(Daphnia sp. Acute Immobilisati		Other organisms:	EC5 BOD5	72h	28 176	mg/l mg/g	Entosiphon sulcatum		
12.1. Toxicity to algae:	NOEC/N OEL	8d	370 0	mg/l	Scenedesm us	on Test)		information:			0- 190 0				
12.2.		28d	39	%	quadricauda	OECD 301	Not readily	Other information:	AOX		0	%			
Persistence and degradability:						D (Ready Biodegradab ility - Closed Bottle Test)	biodegrada ble	Other information:	COD		207 0- 210 0	mg/g			
12.3. Bioaccumulative	Log Pow		0,45			OECD 107 (Partition	@25°C	Titanium dioxide	in powder fo	rm conta	ining 1 %	6 or more	of particles with	aerodynamic di	ameter <=
potential:						Coefficient (n-		μm) Toxicity / effect	Endpoin t	Tim	Valu	Unit	Organism	Test	Notes
						octanol/wate r) - Shake Flask Method)		12.1. Toxicity to fish:	LC50	96h	>10 0	mg/l	Oncorhynch us mykiss	method OECD 203 (Fish, Acute Toxicity	
12.3. Bioaccumulative	BCF		598, 4			,		12.1. Toxicity to	LC50	48h	>10	mg/l	Daphnia	Test) OECD 202	
potential: 12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB	daphnia:			0		magna	(Daphnia sp. Acute Immobilisati on Test)	
Toxicity to bacteria:	LC50	3h	460	mg/l	activated sludge	OECD 209 (Activated	substance	12.1. Toxicity to algae:	EC50	72h	16	mg/l	Pseudokirch neriella subcapitata	U.S. EPA- 600/9-78- 018	
						Sludge, Respiration Inhibition Test (Carbon		12.2. Persistence and degradability:							Not relevant for inorgani substan
						and Ammonium Oxidation))		12.3. Bioaccumulative potential:	BCF	42d	9,6				Not to b expecte
Acetone Toxicity / effect	Endpoin	Tim	Valu	Unit	Organism	Test	Notes	12.3. Bioaccumulative	BCF	14d	19- 352				Oncorhy hus myk
12.1. Toxicity to fish:	t LC50	<b>e</b> 96h	<b>e</b> 554 0	mg/l	Oncorhynch us mykiss	method		potential: 12.4. Mobility in soil:							Negative
12.1. Toxicity to fish:	LC50	96h	750 0	mg/l	Leuciscus idus			12.5. Results of PBT and vPvB							No PBT substan
12.1. Toxicity to fish:	LC50 EC50	96h 96h	830 0 830	mg/l mg/l	Lepomis macrochirus Lepomis			assessment Toxicity to			>50	mg/l	Escherichia		No vPvE substan
fish: 12.1. Toxicity to fish: daphnia:	NOEC/N OEL	28d	0 221 2	mg/l	macrochirus Daphnia pulex	OECD 211 (Daphnia		bacteria: Toxicity to bacteria:	LC0	24h	00 >10 000	mg/l	coli Pseudomon as		
						magna Reproductio n Test)		Toxicity to annelids:	NOEC/N OEL		>10 00	mg/k g	fluorescens Eisenia foetida		
12.1. Toxicity to daphnia:	EC50	48h	610 0- 127	mg/l	Daphnia magna			Water solubility:							Insolubl °C
12.1. Toxicity to	EC50	48h	00 880	mg/l	Daphnia	OECD 202		Silicon dioxide Toxicity / effect	Endpoin	Tim	Valu	Unit	Organism	Test	Notes
daphnia:			0		pulex	(Daphnia sp. Acute Immobilisati on Test)		12.1. Toxicity to fish:	t LC50	<b>e</b> 96h	>10 000	mg/l	Brachydanio rerio	method OECD 203 (Fish, Acute Toxicity	
12.1. Toxicity to algae:	EC50	48h	474 0	mg/l	Pseudokirch neriella subcapitata	/ 500/		12.1. Toxicity to daphnia:	EC50	24h	>10 000	mg/l	Daphnia magna	Test) OECD 202 (Daphnia	
12.1. Toxicity to algae:	NOEC/N OEL	48h	340 0	mg/l	Pseudokirch neriella subcapitata									sp. Acute Immobilisati on Test)	
12.1. Toxicity to algae:	NOEC/N OEL	8d	530	mg/l	,	DIN 38412 T.9	Test organism: M. aeruginosa	12.1. Toxicity to algae:	EL50	72h	>10 000	mg/l		OECD 201 (Alga, Growth Inhibition	
12.2. Persistence and degradability:		30d	81- 92	%		Regulation (EC) 440/2008	Readily biodegrada ble	12.2. Persistence and						Test)	Abiotica degrada
- /						C.4-E (DETERMIN ATION OF		degradability: 12.3. Bioaccumulative							Not to b expecte
						'READY' BIODEGRA		potential: 12.4. Mobility in							Not to b
						DABILITY - CLOSED BOTTLE		soil: 12.5. Results of PBT and vPvB							No PBT substant
						TEST)		assessment							No vPvE

(B)
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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 13.10.2023 / 0012
Replacing version dated / version: 19.10.2022 / 0011
Valid from: 13.10.2023
PDF print date: 16.10.2023
GU-PLAST PVC Kleber Transparent
Art: H-00012-00-00
GU-PLAST PVC Kleber verifices

GU-PLAST PVC Kleber weiß Art.: 9-38968-00-0-7

Poly vinyl chloride								
Toxicity / effect	Endpoin	Tim	Valu	Unit	Organism	Test	Notes	
	t	е	е			method		
12.2.							Not	
Persistence and							biodegrada	
degradability:							ble	
12.5. Results of							No PBT	
PBT and vPvB							substance,	
assessment							No vPvB	
							substance	

### **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:

Recommendations.

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

E.g. suitable incineration plant.

Hardened product:

E.g. dispose at suitable refuse site

## For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

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

Do not perforate, cut up or weld uncleaned container.

Residues may present a risk of explosion.
15 01 10 packaging containing residues of or contaminated by hazardous substances

# **SECTION 14: Transport information**

### **General statements**

Transport by road/by rail (ADR/RID)

14.1. UN number or ID numb 1133 14.1. UN number of ID number:
14.2. UN proper shipping name:
UN 1133 ADHESIVES
14.3. Transport hazard class(es):
14.4. Packing group:
14.5. Environmental hazards: Not applicable Tunnel restriction code: Classification code

Transport by sea (IMDG-code)
14.1. UN number or ID number:
14.2. UN proper shipping name:
UN 1133 ADHESIVES 1133 14.3. Transport hazard class(es): 3

14.4. Packing group: 14.5. Environmental hazards: Marine Pollutant: Not applicable Not applicable F-E, S-D EmS:

Transport by air (IATA)

1133 14.1. UN number or ID number 14.2. UN proper shipping name: UN 1133 Adhesives

14.3. Transport hazard class(es): 14.4. Packing group: 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. Maritime transport in bulk according to IMO instruments

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

Observe restrictions:

Comply with national regulations/laws governing the protection of young people at work (national implementation of the Directive 94/33/EC)!

This product is regulated by Regulation (EU) 2019/1148. All suspicious transactions, and significant disappearances and theffs should be reported to the relevant national contact point.

For exceptions see Regulation (EU) 2019/1148 and guidelines for the implementation of Regulation (EU) 2019/1148

Comply with national regulations/laws governing maternity protection (national implementation of the Directive 92/85/EEC)!

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.):

	may also need to be denotative according to delago; nanaling etc.).										
I	Hazard categories	Notes to Annex I	Qualifying quantity	Qualifying quantity							
ı			(tonnes) of dangerous	(tonnes) of dangerous							
ı			substances as referred	substances as referred							
ı			to in Article 3(10) for	to in Article 3(10) for							
ı			the application of -	the application of -							
ı			Lower-tier requirements	Upper-tier requirements							
ı	P5c		5000	50000							

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):

National requirements/regulations on safety and health protection must be applied when using work equipment.

### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures

## **SECTION 16: Other information**

Revised sections:

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.
STOT SE 3, H335	Classification according to calculation procedure.
STOT SE 3, H336	Classification according to calculation procedure.
Carc. 2, H351	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. H225 Highly flammable liquid and vapour. H351 Suspected of causing cancer by inhalation.

H302 Harmful if swallowed. H319 Causes serious eve irritation.

H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
EUH066 Repeated exposure may cause skin dryness or cracking.
EUH019 May form explosive peroxides.

Flam. Liq. — Flammable liquid Eye Irrit. — Eye irritation STOT SE — Specific target organ toxicity - single exposure - respiratory tract irritation STOT SE — Specific target organ toxicity - single exposure - narcotic effects

Carc. — Carcinogenicity
Acute Tox. — Acute toxicity - oral

### Key literature references and sources

### for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended. Guidelines for the preparation of safety data sheets as amended (ECHA). Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA). Safety data sheets for the constituent substances.

ECHA Homepage - Information about chemicals.
GESTIS Substance Database (Germany).
German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germans).

EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.

National Lists of Occupational Exposure Limits for each country as amended.

Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as

# Any abbreviations and acronyms used in this document:

acc., acc, to according, according to

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (=

European Agreement concerning the International Carriage of Dangerous Goods by Road)
AOX Adsorbable organic halogen compounds

AOX approx approximately

Art. no. Article number ASTM ASTM International (American Society for Testing and Materials)

ATF

Acute Toxicity Estimate
Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and BAM many) Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health

Testing, Ge BAuA

and Safety, Germany)
BCF Bioconcer Bioconcentration factor BSEF The International Bromine Council

but body weight
CAS Chemical Abstracts Service
CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)

carcinogenic, mutagenic, reproductive toxic Derived Minimum Effect Level Derived No Effect Level Dissolved organic carbon CMR DMEL

DNEL DOC

dry weight

for example (abbreviation of Latin 'exempli gratia'), for instance (x, E) = (x + 1), the sum of the biomass (x + 1) is the biomass (x + 1) is the sum of the biomass (x + 1) is the biomass (x + 1) is e.g. for example (apple EbCx, EyCx, EbLx (x = 10, 50)

(algae, plants)

EC European Community

ECHA European Chemicals Agency

ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100)

Effect Concentration/Level for x % effect

(algae, plants)

et cetera European Union Ethylene-vinyl alcohol copolymer Fax number FII EVAL Fax.

gen. GHS general
Globally Harmonized System of Classification and Labelling of Chemicals Global warming potential
Adsorption coefficient of organic carbon in the soil
octanol-water partition coefficient
International Agency for Research on Cancer
International Air Transport Association GWP Koc Kow IARC

IATA

IATA	International Air Transport Association
IBC (Code)	International Bulk Chemical (Code)
IMDG-code	International Bulk Chemical (Code)
IMDG-code	International Maritime Code for Dangerous Goods
Including, Inclusive	International Uniform Chemical Information Database
IUPAC	International Uniform Chemical Information Database
IUPAC	International Uniform Chemical Information Database
IUPAC	International Uniform for Pure Applied Chemistry
Lethal Concentration to 50 % of a test population (Median Lethal Dose)	
Log Kow Log Comparithm of a test population (Median Lethal Dose)	
Log Kow Log Pow Logarithm of octanol-water partition coefficient	
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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 13.10.2023 / 0012
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GU-PLAST PVC Kleber Transparent
Art: H-00012-00-0-0
GU-PLAST PVC Kleber weiß
Art: 9-3886-00-0-7
Art: 9-3886-00-0-7 Art.: 9-38968-00-0-7 not applicable not available n.a. n.av. n.c. n.d.a. NIOSH NLP not checked no data available National Institute for Occupational Safety and Health (USA) NOSH National institute for Occupational Safety and reality (0SA)
NLP No-longer-Polymer
NOEC, NOEL No Observed Effect Concentration/Level
OECD Organisation for Economic Co-operation and Development org. OSHA PBT PE PNEC organic organic Occupational Safety and Health Administration (USA) persistent, bioaccumulative and toxic Polyethylene Predicted No Effect Concentration PVC Polyvin/chloride
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-xv. 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)
SVHC Substances of Very High Concern
Tel. Telephone
TOC Total organic carbon
Un RTDG United Nations Recommendations on the Transport of Dangerous Goods
VOC Voltatile organic compounds
VPVB Very persistent and very biogeocernication. ppm PVC parts per million Polyvinylchloride Volatile organic compounds very persistent and very bioaccumulative wet weight vPvB The statements made here should describe the product with regard to the necessary safety precautions - they not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.

These statements were made by:

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