

. (B)

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ET/PU-9024 - 2K PU ADHESIVE BLACK Component A

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

1.1 Product identifier

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

Adhesive

UFI: U5C0-2021-U00K-UPNA

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

ETALON is a brand of Alexport Company. Industrial Area Sindos, P.C. 570 22, Thessaloniki, Greece Tel: +30 2310 501814, info@alexport.gr www.alexport.gr, www.etalon-refinish.com

1.4 Emergency telephone number

Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:

112 or call your local doctor/poison center

SECTION 2: Hazards identification

Hazard statement

2.1 Classification of the substance or mixture

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

Hazard category

Acute Tox. 4 H332-Harmful if inhaled.

Eye Irrit. 2 H319-Causes serious eye irritation.

STOT SE 3 H335-May cause respiratory irritation.

Skin Sens. 1 H317-May cause an allergic skin reaction.

2.2 Label elements

Hazard class

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

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H332-Harmful if inhaled. H319-Causes serious eye irritation. H335-May cause respiratory irritation. H317-May cause an allergic skin reaction.

P261-Avoid breathing vapours or spray. P280-Wear protective gloves / eye protection / face protection. P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312-Call a POISON CENTRE / doctor if you feel unwell.

EUH204-Contains isocyanates. May produce an allergic reaction.

Hexamethylene-di-isocyanate Calcium oxide Polyisocyanate, aliphatic

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 %).

SECTION 3: Composition/information on ingredients

3.1 Substances

n.a.

3.2 Mixtures

Polyisocyanate, aliphatic	
Registration number (REACH)	01-2119485796-17-XXXX
Index	
EINECS, ELINCS, NLP, REACH-IT List-No.	931-274-8
CAS	28182-81-2
content %	70-<100
Classification according to Regulation (EC) 1272/2008 (CLP), M-	Acute Tox. 4, H332
factors	Skin Sens. 1, H317
	STOT SE 3, H335
Specific Concentration Limits and ATE	ATE (as inhalation, Dusts or mist): 1,5 mg/l/4h
	ATE (as inhalation, Vapours): 11 mg/l/4h

Calcium oxide	Substance for which an EU exposure limit value applies.
Registration number (REACH)	01-2119475325-36-XXXX
Index	
EINECS, ELINCS, NLP, REACH-IT List-No.	215-138-9
CAS	1305-78-8
content %	1-<2,5

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Classification according to Regulation (EC) 1272/2008 (CLP), M-	Skin Irrit. 2, H315
factors	Eye Dam. 1, H318
	STOT SE 3, H335

Hexamethylene-di-isocyanate	
Registration number (REACH)	01-2119457571-37-XXXX
Index	615-011-00-1
EINECS, ELINCS, NLP, REACH-IT List-No.	212-485-8
CAS	822-06-0
content %	<0,1
Classification according to Regulation (EC) 1272/2008 (CLP), M-	Acute Tox. 1, H330
factors	Acute Tox. 4, H302
	Skin Irrit. 2, H315
	Eye Irrit. 2, H319
	Skin Sens. 1, H317
	Resp. Sens. 1, H334
	STOT SE 3, H335
Specific Concentration Limits and ATE	Skin Sens. 1, H317: >=0,5 %
	Resp. Sens. 1, H334: >=0,5 %
	ATE (oral): 746 mg/kg
	ATE (as inhalation, Mist): 0,005 mg/l/4h
	ATE (as inhalation, Vapours): 0,124 mg/l/4h

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 classification.

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.

Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

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 - give copious water to drink. 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.

eyes, reddened

watering eyes

reddening of the skin

Allergic reaction

coughing

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

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5.1 Extinguishing media

Suitable extinguishing media

Adapt to the nature and extent of fire. Water jet spray/foam/CO2/dry extinguisher

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 Oxides of nitrogen

Toxic gases

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 unprotected persons away.

Avoid contact with eyes or skin.

6.1.2 For emergency responders

See section 8 for suitable protective equipment and material specifications.

6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent from entering drainage system.

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

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, sawdust) 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 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

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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.

Not to be stored in gangways or stair wells.

Store product closed and only in original packing.

Store at room temperature.

Protect from humidity.

Store in a dry place.

7.3 Specific end use(s)

No information available at present.

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 industry or different industries

depending on the application (building materials, wood, chemistry, laboratory, leather, metal).

Observe special requirements for isocyanates, also within the framework of the risk assessment and definition of protective measures.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

© Chemical Name	Polyisocyanate,	alinhatic		
WEL-TWA: 0,02 mg/m3 (Isocya NCO))			g/m3 (Isocyanates, all (as -	
Monitoring procedures:	ad diamina/mal an		and of Other information.	Can (languageten all)
BMGV: 1 µmol isocyanate-derive the period of exposure)	red diamine/moi ci	eatmine in unine (At the t	end of Other information:	Sen (Isocyanates, all)
© Chemical Name	Calcium oxide			
WEL-TWA: 1 mg/m3 (9) (WEL-	TWA, EU)	WEL-STEL: 4 mg/m	n3 (9) (WEL-STEL, EU)	
Monitoring procedures:				
BMGV:			Other information:	
Chemical Name	Hexamethylene-			
WEL-TWA: 0,02 mg/m3 (Isocya		1	g/m3 (Isocyanates, all (as -	
NCO)) (WEL-TWA), 10 μg/m3 (u		NCO)) (WEL-STEL)		
6 μg/m3 (from 01.01.2029) (meas	sured as NCO,			
diisocyanates) (EU)				
Monitoring procedures:			air quality - determination of to	
			nenylpiperazine and liquid chro	
			cyanates in air – Laboratory m	
			phenylpiperazine coated glass	
			o impingers and analysis using	
		0 . ,,	- EU project BC/CEN/ENTR/0	00/2002-16 card 110-4
		(2004)		
			ATES, MONOMERIC) - 1994	
		NIOSH 5522 (ISOCYAN		
DMOV 4 1:			ATES, TOTAL (MAP)) - 2003	0 (1 1)
BMGV: 1 µmol isocyanate-derive the period of exposure) (BMGV)	/ed diamine/moi cr	eatinine in urine (At the o	end of Other information: (WEL) / (13), (15) (Sen (Isocyanates, all) diisocyanates) (EU)
Chemical Name	Talc			
WEL-TWA: 1 mg/m3 (res. dust)		WEL-STEL:		
Monitoring procedures:				
BMGV:		-	Other information:	
Chemical Name	Silicon dioxide			
WEL-TWA: 6 mg/m3 (total inh.		WEL-STEL:		
(resp. dust)	,, , 3			
Monitoring procedures:				

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BMGV:			Other information: -	
Chemical Name	Silicon dioxide - amorp	hous		
WEL-TWA: 6 mg/m3 (total inh.	dust), 2,4 mg/m3 WE	L-STEL:		
(resp. dust)				
Monitoring procedures:				
BMGV:			Other information: -	

Polyisocyanate, aliphat	ic					
Area of application	Exposure route / Environmental	Effect on health	Descripto r	Value	Unit	Note
	compartment					
	Environment - freshwater		PNEC	0,127	mg/l	
	Environment - marine		PNEC	0,0127	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	1,27	mg/l	
	Environment - sediment, freshwater		PNEC	266700	mg/kg dry weight	
	Environment - sediment, marine		PNEC	26670	mg/kg dry weight	
	Environment - sewage treatment plant		PNEC	38,3	mg/l	
	Environment - soil		PNEC	53182	mg/kg dry weight	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	0,5	mg/m3	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	1	mg/m3	

Calcium oxide						
Area of application	Exposure route / Environmental compartment	Effect on health	Descripto r	Value	Unit	Note
	Environment - freshwater		PNEC	0,37	mg/l	
	Environment - marine		PNEC	0,24	mg/l	
	Environment - soil		PNEC	817,4	mg/kg dry weight	
	Environment - sewage treatment plant		PNEC	2,27	mg/l	
Consumer	Human - inhalation	Short term, local effects	DNEL	4	mg/m3	
Consumer	Human - inhalation	Long term, local effects	DNEL	1	mg/m3	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	4	mg/m3	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	1	mg/m3	

Hexamethylene-di-isocyanate							
Exposure route /	Effect on health	Descripto	Value	Unit	Note		
Environmental		r					
compartment							
Environment - freshwater		PNEC	0,0774	mg/l			
Environment - marine		PNEC	0,00774	mg/l			
Environment - water,		PNEC	0,774	mg/l			
sporadic (intermittent)							
release							
	Exposure route / Environmental compartment Environment - freshwater Environment - marine Environment - water, sporadic (intermittent)	Exposure route / Environmental compartment Environment - freshwater Environment - marine Environment - water, sporadic (intermittent)	Exposure route / Environmental compartment Environment - freshwater Environment - marine Environment - water, sporadic (intermittent)	Exposure route / Environmental compartment Effect on health r Descripto r Value r Environment - freshwater PNEC 0,0774 Environment - marine PNEC 0,00774 Environment - water, sporadic (intermittent) PNEC 0,774	Exposure route / Environmental compartment Effect on health r Descripto r Value r Unit Environment - freshwater PNEC 0,0774 mg/l Environment - marine PNEC 0,00774 mg/l Environment - water, sporadic (intermittent) PNEC 0,774 mg/l		

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	Environment - sewage treatment plant		PNEC	8,42	mg/l	
	Environment - sediment, freshwater		PNEC	0,01334	mg/kg dw	
	Environment - sediment, marine		PNEC	0,00134 4	mg/kg dw	
	Environment - soil		PNEC	0,0026	mg/kg dw	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	0,035	mg/m3	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	0,035	mg/m3	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	0,07	mg/m3	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	0,07	mg/m3	

Silicon dioxide - amorphous						
Area of application	Exposure route /	Effect on health	Descripto	Value	Unit	Note
	Environmental		r			
	compartment					
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	4	mg/m3	

- United Kingdom | WEL-TWA = Workplace Exposure Limit Long-term exposure limit 8-hour TWA (= time weighted average) reference period (EH40/2005 Workplace exposure limits (Fourth Edition 2020)).
- (EU) = Directive 91/322/EEC, 98/24/EC, 2000/39/EC, 2004/37/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU or 2019/1831/EU: (8) = Inhalable fraction (2004/37/CE, 2017/164/EU). (9) = Respirable fraction (2004/37/CE, 2017/164/EU). (11) = Inhalable fraction (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 (2004/37/CE). | WEL-STEL = Workplace Exposure Limit Short-term exposure limit 15-minute reference period (EH40/2005 Workplace exposure limits (Fourth Edition 2020)).
- $(EU) = Directive\ 91/322/EEC,\ 98/24/EC,\ 2000/39/EC,\ 2004/37/EC,\ 2006/15/EC,\ 2009/161/EU,\ 2017/164/EU\ or\ 2019/1831/EU:\ 2017/184/EU\ or\ 2019/1831/EU:\ 2017/184/EU\ or\ 2019/184/EU\ or\ 2019/184/EU\$
- (8) = Inhalable fraction (2004/37/EC, 2017/164/EU). (9) = Respirable fraction (2004/37/EC, 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 (EH40/2005 Workplace exposure limits (Fourth Edition 2020)).
- (EU) = Directive 98/24/EC or 2004/37/EC or SCOEL (Biological Limit Value BLV, Recommendation from the Scientific Committee on Occupational Exposure Limits (SCOEL)) |
- | Other information (EH40/2005 Workplace exposure limits (Fourth Edition 2020)): Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.
- (EU) = Directive 91/322/EEC, 98/24/EC, 2000/39/EC, 2004/37/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, 2019/1831/EU or 2024/869/EU:
- (13) = The substance can cause sensitisation of the skin and of the respiratory tract (98/24/EC, 2004/37/CE), (14) = The substance can cause sensitisation of the skin (2004/37/CE), (15) = Substantial contribution to the total body burden via dermal exposure possible.

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. 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.

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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:

Chemical resistant protective gloves (EN ISO 374).

If applicable

Protective gloves made of butyl (EN ISO 374).

Protective Neoprene® / polychloroprene gloves (EN ISO 374).

Protective nitrile gloves (EN ISO 374).

Protective PVC gloves (EN ISO 374). Minimum layer thickness in mm:

0,5

Permeation time (penetration time) in minutes:

480

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

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

Protective hand cream recommended.

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.

Filter A (EN 14387), code colour brown

Filter B (EN 14387), code colour grey

Filter P (EN 143), code colour white

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

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: Paste, liquid. White Colour: Odour: Characteristic

Melting point/freezing point: There is no information available on this parameter.

Boiling point or initial boiling point and boiling range: There is no information available on this parameter. Flammability: There is no information available on this parameter.

Lower explosion limit: There is no information available on this parameter. Upper explosion limit: There is no information available on this parameter.

There is no information available on this parameter. Flash point: There is no information available on this parameter. Auto-ignition temperature:

Decomposition temperature: There is no information available on this parameter.

pH: Mixture is non-soluble (in water).

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There is no information available on this parameter. Kinematic viscosity:

Insoluble Solubility:

Partition coefficient n-octanol/water (log value): Does not apply to mixtures.

There is no information available on this parameter. Vapour pressure: Density and/or relative density: There is no information available on this parameter. Relative vapour density: There is no information available on this parameter.

Particle characteristics: Does not apply to liquids.

9.2 Other information

No information available at present.

SECTION 10: Stability and reactivity

10.1 Reactivity

The product has not been tested.

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

Moisture

10.5 Incompatible materials

Amines

Alcohols

Oxidizing agents

Reducing agent

Acids Water

10.6 Hazardous decomposition products

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).

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	-					n.d.a.
Acute toxicity, by dermal						n.d.a.
route:						
Acute toxicity, by inhalation:	ATE	12,3	mg/l/4h			calculated
						value, Vapours
Skin corrosion/irritation:						n.d.a.
Serious eye						n.d.a.
damage/irritation:						
Respiratory or skin						n.d.a.
sensitisation:						
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity -						n.d.a.
single exposure (STOT-SE):						
Specific target organ toxicity -						n.d.a.
repeated exposure (STOT-						
RE):						
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

Polyisocyanate, aliphatic

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Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2500	mg/kg	Rat	OECD 423 (Acute	Female
					Oral Toxicity - Acute	
					Toxic Class Method)	
Acute toxicity, by dermal	LD50	>2000	mg/kg	Rat	OECD 402 (Acute	
route:					Dermal Toxicity)	
Acute toxicity, by inhalation:	ATE	1,5	mg/l/4h			Dusts or mist
Acute toxicity, by inhalation:	ATE	11	mg/l/4h			Vapours
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Slightly irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Slightly irritant
Respiratory or skin				Guinea pig	OECD 406 (Skin	Yes (skin
sensitisation:					Sensitisation)	contact)
Germ cell mutagenicity:					OECD 473 (In Vitro	Negative
0 ,					Mammalian`	
					Chromosome	
					Aberration Test)	
Germ cell mutagenicity:				Salmonella	OECD 471 (Bacterial	Negative
Ç ,				typhimurium	Reverse Mutation	
				*'	Test)	
Reproductive toxicity:						Negative
Specific target organ toxicity -						May cause
single exposure (STOT-SE),						respiratory
inhalative:						irritation.
Specific target organ toxicity -	NOEL	4,3	mg/m3	Rat	OECD 412 (Subacute	
repeated exposure (STOT-					Inhalation Toxicity -	
RE), inhalat.:					28-Day Study)	
Specific target organ toxicity -	NOAEL	3,3	mg/m3	Rat	OECD 413	Aerosol
repeated exposure (STOT-					(Subchronic Inhalation	
RE), inhalat.:					Toxicity - 90-Day	
·					Study)	

Calcium oxide	_					
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat	OECD 425 (Acute Oral Toxicity - Up-and- Down Procedure)	
Acute toxicity, by dermal route:	LD50	>2500	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	Calcium dihydroxide, The results are applicable to calcium oxide, sinde in contact with moisture calcium hydroxide is formed.
Skin corrosion/irritation:					OECD 431 (In Vitro Skin Corrosion - Human Skin Model Test)	Non-caustic, Analogous conclusion, Calcium dihydroxide
Skin corrosion/irritation:				Rabbit		Irritant, in vivo
Serious eye				Rabbit		Risk of serious
damage/irritation:						damage to eyes., in vivo
Respiratory or skin						Not to be
sensitisation:						expected

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Germ cell mutagenicity: Germ cell mutagenicity:				OECD 471 (Bacterial Reverse Mutation Test)	Negative, Analogous conclusion, Calcium dihydroxide
Germ cell mutagenicity:				Test)	conclusion, Calcium dihydroxide
Germ cell mutagenicity:				,	Calcium dihydroxide
Germ cell mutagenicity:				0500 470 (1.17)	dihydroxide
Germ cell mutagenicity:				OFOD 470 (L. \)"	
Germ cell mutagenicity:				OFOD 470 // \//	
				OECD 473 (In Vitro	Negative,
				Mammalian `	Analogous
				Chromosome	conclusion,
				Aberration Test)	Calcium
				7.5011441011 1000)	dihydroxide
Germ cell mutagenicity:		+		OECD 476 (In Vitro	Negative,
Germ cen mutagemony.				Mammalian Cell Gene	Analogous
				Mutation Test)	conclusion,
					Calcium
					dihydroxide
Carcinogenicity:			Rat		Analogous
					conclusion,
					Negative,
					administered
					as Ca-lactate
Reproductive toxicity:			Mouse		Analogous
					conclusion,
					Negative,
					administered
					as Ca-
					carbonate
Charific target argen tavicity					Irritation of the
Specific target organ toxicity -					
single exposure (STOT-SE):					respiratory tract
Specific target organ toxicity -	36	mg/kg			(UL by SCF)
repeated exposure (STOT-		bw/d			
RE), oral:					N 1 (1)
Specific target organ toxicity -					Negative
repeated exposure (STOT-					
RE), dermal:					
Aspiration hazard:					No
Symptoms:					breathing
					difficulties,
					respiratory
					distress.
					drowsiness,
					diarrhoea,
					thirst, vomiting,
					cornea opacity,
					coughing,
					headaches,
		1	1	Ì	mucous
	l				
					membrane

Hexamethylene-di-isocyanate									
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes			
Acute toxicity, by oral route:	LD50	746	mg/kg	Rat	OECD 401 (Acute				
					Oral Toxicity)				
Acute toxicity, by oral route:	ATE	746	mg/kg						
Acute toxicity, by dermal	LD50	>7000	mg/kg	Rabbit	OECD 402 (Acute				
route:					Dermal Toxicity)				
Acute toxicity, by inhalation:	LC50	0,124	mg/l/4h	Rat	OECD 403 (Acute	Vapours			
					Inhalation Toxicity)				
Acute toxicity, by inhalation:	ATE	0,124	mg/l/4h			Vapours			
Acute toxicity, by inhalation:	ATE	0,005	mg/l/4h			Dust, Mist			

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Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal	Skin Irrit. 2
					Irritation/Corrosion)	
Serious eye				Rabbit	OECD 405 (Acute	Eye Irrit. 2
damage/irritation:					Eye	
3					Irritation/Corrosion)	
Respiratory or skin				Guinea pig	OECD 406 (Skin	Yes (skin
sensitisation:					Sensitisation)	contact)
Respiratory or skin sensitisation:				Guinea pig		Yes (inhalation)
Specific target organ toxicity -	NOAEC	0,035	mg/m3	Rat	OECD 453	Vapours,
repeated exposure (STOT-					(Combined Chronic	Target
RE), inhalat.:					Toxicity/Carcinogenicit	organ(s):
					y Studies)	respiratory
						system
Symptoms:						breathing
						difficulties,
						respiratory
						distress,
						annoyance,
						coughing,
						headaches,
						mucous
						membrane
						irritation,
						nausea and
						vomiting.

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	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
Skin corrosion/irritation:						Not irritant
Respiratory or skin sensitisation:						Not sensitizising
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Carcinogenicity:					,	Negative
Reproductive toxicity:				Rabbit	OECD 414 (Prenatal Developmental Toxicity Study)	Negative
Symptoms:						mucous membrane irritation

Silicon dioxide						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by dermal route:	LD50	> 2000	mg/kg	Rat	OECD 402 (Acute Dermal 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

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Germ cell mutagenicity:		OECD 471 (Bacterial Reverse Mutation Test)	Negative
Aspiration hazard:			No

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit	IUCLID Chem. Data Sheet (ESIS)	
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	IUCLID Chem. Data Sheet (ESIS)	Not sensitizising
Germ cell mutagenicity:				Salmonella typhimurium	(Ames-Test)	Negative
Carcinogenicity:						Negative
Reproductive toxicity:	NOAEL	>497	mg/kg bw/d			No indications of such an effect.
Specific target organ toxicity - repeated exposure (STOT- RE), inhalat.:	NOAEL	0,035	mg/l			Negative

11.2. Information on other hazards

Plastgrip® ME 6522 IK	Plastgrip® ME 6522 IK									
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes				
Endocrine disrupting						Does not apply				
properties:						to mixtures.				
Other information:						No other				
						relevant				
						information				
						available on				
						adverse effects				
						on health.				

SECTION 12: Ecological information

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

Plastgrip® ME 6522 IK							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:							n.d.a.
12.1. Toxicity to							n.d.a.
daphnia:							
12.1. Toxicity to algae:							n.d.a.
12.2. Persistence and							n.d.a.
degradability:							
12.3. Bioaccumulative							n.d.a.
potential:							
12.4. Mobility in soil:							n.d.a.
12.5. Results of PBT							n.d.a.
and vPvB assessment							
12.6. Endocrine							Does not apply
disrupting properties:							to mixtures.

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12.7. Other adverse effects:				No information available on other adverse effects on the
				environment.

Polyisocyanate, alipha							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>100	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EC10	48h	>100	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to daphnia:	EL50	48h	127	mg/l	Daphnia magna	Regulation (EC) 440/2008 C.2 (DAPHNIA SP. ACUTE IMMOBILISATIO N TEST)	
12.1. Toxicity to algae:	ErC50	72h	>1000	mg/l	Scenedesmus subspicatus	DIN 38412 T.9	
12.1. Toxicity to algae:	IC50	72h	>100	mg/l	Scenedesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		28d	0	%		OECD 301 C (Ready Biodegradability - Modified MITI Test (I))	Not readily biodegradable
12.2. Persistence and degradability:		28d	1	%		OECD 301 D (Ready Biodegradability - Closed Bottle Test)	Not readily biodegradable
12.3. Bioaccumulative potential:	BCF		367,7			,	
12.3. Bioaccumulative potential:	Log Kow		3,2				Concentration in organisms possible., calculated value
12.4. Mobility in soil:	H (Henry)		<0,0000 01	Pa*m3/m ol			25°C
12.4. Mobility in soil:	Log Koc		7,3-7,8				
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC50	3h	>1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	

Calcium oxide							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes

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	1					
12.1. Toxicity to fish:	LC50	96h	50,6	mg/l		freshwater, Calcium dihydroxide, The results are applicable to calcium oxide, sinde in contact with moisture calcium hydroxide is formed.
12.1. Toxicity to fish:	LC50	96h	457	mg/l		marine water, Calcium dihydroxide, The results are applicable to calcium oxide, sinde in contact with moisture calcium hydroxide is formed.
12.1. Toxicity to daphnia:	EC50	48h	49,1	mg/l		freshwater, Calcium dihydroxide, The results are applicable to calcium oxide, sinde in contact with moisture calcium hydroxide is formed.
12.1. Toxicity to daphnia:	LC50	96h	158	mg/l		marine water, Calcium dihydroxide, The results are applicable to calcium oxide, sinde in contact with moisture calcium hydroxide is formed.
12.1. Toxicity to daphnia:	NOEC/NOEL	14d	32	mg/l		marine water, Calcium dihydroxide, The results are applicable to calcium oxide, sinde in contact with moisture calcium hydroxide is formed.

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12.1. Toxicity to algae:	NOEC/NOEL	72h	48	mg/l	freshwater, Calcium dihydroxide, The results are applicable to calcium oxide, sinde in contact with moisture calcium hydroxide is
					formed.
12.1. Toxicity to algae:	EC50	72h	184,57	mg/l	freshwater, Calcium dihydroxide, The results are applicable to calcium oxide, sinde in contact with moisture calcium hydroxide is formed.
12.2. Persistence and					Not relevant for
degradability:					inorganic
12.3. Bioaccumulative potential:					substances. Not relevant for inorganic
12.4. Mobility in soil:					substances. Calcium oxide reacts with water and/or carbon dioxide to form respectively calcium dihydroxide and/or calcium carbonate, which are sparingly, and so present a low mobility in most ground.
12.5. Results of PBT and vPvB assessment					Not relevant for inorganic
10.6 Endocrine					substances.
12.6. Endocrine disrupting properties:					Not to be expected
distupling properties.					expedied

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12.7. Other adverse effects:					pH-value of > 12 will rapidly
					decrease as
					result of
					dilution and
					carbonation.,
					Even though
					this product can be used to
					neutralise over-
					acidified water,
					when 1g/l is
					exceeded
					organisms in
					the water may
					be affected
					adversely.
Toxicity to bacteria:					In high
					concentrations
					the product
					provokes an
					increase in
					temperature
					and of the pH- value. It is used
					to sanitise
					sewage sludge
Other organisms:	NOEC/NOEL	2000	mg/kg dw		Calcium
Cirior organisms.	11020/11022	2000	mg/kg aw		dihydroxide,
					The results are
					applicable to
					calcium oxide,
					sinde in contact
					with moisture
					calcium
					hydroxide is
					formed.
					soil
					macroorganism
Other organisms:	NOEC/NOEL	12000	mg/kg dw		s Calcium
Salor organionio.	1.020/1.022	000	g,gv		dihydroxide,
					The results are
					applicable to
					calcium oxide,
					sinde in contact
					with moisture
					calcium
					hydroxide is
					formed.
					soil microorganisms
					microorganisms

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Other organisms:	NOEC/NOEL	21d	1080	mg/kg	Calcium dihydroxide, The results are applicable to calcium oxide, sinde in contact with moisture calcium hydroxide is formed.
					terrestrial plants

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC0	96h	>82,8	mg/l	Brachydanio rerio	OECD 203	
,			,		,	(Fish, Acute	
						Toxicity Test)	
12.1. Toxicity to	LC0	48h	>89,1	mg/l	Daphnia magna	OECD 202	
daphnia:			,			(Daphnia sp.	
						Acute	
						Immobilisation	
						Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	11,7	mg/l	Desmodesmus	Regulation (EC)	
, 3			,		subspicatus	440/2008 C.3	
					'	(FRESHWATER	
						ALGAE AND	
						CYANOBACTER	
						IA, GROWTH	
						INHIBITION	
						TEST)	
12.1. Toxicity to algae:	EC50	72h	>77,4	mg/l	Scenedesmus	OECD 201	
· -					subspicatus	(Alga, Growth	
						Inhibition Test)	
12.2. Persistence and		28d	42	%		OECD 301 E	Not readily
degradability:						(Ready	biodegradable
						Biodegradability -	
						Modified OECD	
						Screening Test)	
12.3. Bioaccumulative	Log Kow		3,2				
potential:							
12.3. Bioaccumulative potential:	BCF		57,63				
12.5. Results of PBT							No PBT
and vPvB assessment							substance, No
							vPvB substance
Toxicity to bacteria:	EC50	3h	842	mg/l	activated sludge	OECD 209	
						(Activated	
						Sludge,	
						Respiration	
						Inhibition Test	
						(Carbon and	
						Ammonium	
						Oxidation))	

Talc							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	100	g/l	Brachydanio rerio		
12.2. Persistence and							Not relevant for
degradability:							inorganic
							substances.

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12.5. Results of PBT and vPvB assessment					No PBT substance, No vPvB substance
Water solubility:		<0,1	%		

Silicon dioxide							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.5. Results of PBT							No PBT
and vPvB assessment							substance, No
							vPvB substance

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>10000	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EC50	24h	>1000	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	30d	34223	mg/l	Daphnia magna	•	
12.1. Toxicity to algae:	EC50	72h	>10000	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	IC50	72h	440	mg/l	Pseudokirchnerie Ila subcapitata	IUCLID Chem. Data Sheet (ESIS)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	60	mg/l	Pseudokirchnerie Ila subcapitata	IUCLID Chem. Data Sheet (ESIS)	
12.2. Persistence and degradability:						,	Not relevant for inorganic substances.

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.

E.g. suitable incineration plant.

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.

SECTION 14: Transport information

General statements

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Transport by road/by rail (ADR/RID)

14.1. UN number or ID number:

Not applicable

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class(es):Not applicable14.4. Packing group:Not applicable14.5. Environmental hazards:Not applicableTunnel restriction code:Not applicableClassification code:Not applicableLQ:Not applicableTransport category:Not applicable

Transport by sea (IMDG-code)

14.1. UN number or ID number: Not applicable

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class(es):Not applicable14.4. Packing group:Not applicable14.5. Environmental hazards:Not applicableMarine Pollutant:Not applicableEmS:Not applicable

Transport by air (IATA)

14.1. UN number or ID number: Not applicable

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class(es):Not applicable14.4. Packing group:Not applicable14.5. Environmental hazards:Not applicable

14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

14.7. Maritime transport in bulk according to IMO instruments

Non-dangerous material according to Transport Regulations.

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 the protection of young people at work (national implementation of the Directive 94/33/EC)!

Regulation (EC) No 1907/2006, Annex XVII

Hexamethylene-di-isocyanate

Comply with trade association/occupational health regulations.

Directive 2010/75/EU (VOC): 0 %

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:

n.a.

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):

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Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Acute Tox. 4, H332	Classification according to calculation procedure.
Eye Irrit. 2, H319	Classification according to calculation procedure.
STOT SE 3, H335	Classification according to calculation procedure.
Skin Sens. 1, H317	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.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

Acute Tox. — Acute toxicity - inhalation

Eye Irrit. — Eye irritation

STOT SE — Specific target organ toxicity - single exposure - respiratory tract irritation

Skin Sens. — Skin sensitization

Skin Irrit. — Skin irritation

Eye Dam. — Serious eye damage

Acute Tox. — Acute toxicity - oral

Resp. Sens. — Respiratory sensitization

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 (Germany).

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 amended.

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

approx. approximately Art., Art. no. Article number

ASTM ASTM International (American Society for Testing and Materials)

ATE Acute Toxicity Estimate

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

BSEF The International Bromine Council

CAS Chemical Abstracts Service

Page 22 of 23 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878) Revision date / version: 14.11.2024 / 0001 Replacing version dated / version: 14.11.2024 / 0001 Valid from: 14.11.2024 PDF print date: 03.03.2025 ET/PU-9024 - 2K PU ADHESIVE BLACK Component A Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures) CMR carcinogenic, mutagenic, reproductive toxic DMEL Derived Minimum Effect Level DNEL Derived No Effect Level DOC Dissolved organic carbon for example (abbreviation of Latin 'exempli gratia'), for instance EbCx, EyCx, EbLx (x = 10, 50)Effect Concentration/Level of x % on reduction of the biomass (algae, plants) **European Community** ECHA European Chemicals Agency ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect EEC European Economic Community **EINECS** European Inventory of Existing Commercial Chemical Substances **ELINCS** European List of Notified Chemical Substances ΕN **European Norms** United States Environmental Protection Agency (United States of America) EPA ErCx, $E\mu Cx$, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants) et cetera etc. ΕU **European Union** EVAL Ethylene-vinyl alcohol copolymer Fax. Fax number general gen. GHS Globally Harmonized System of Classification and Labelling of Chemicals **GWP** Global warming potential Adsorption coefficient of organic carbon in the soil Koc octanol-water partition coefficient Kow IARC International Agency for Research on Cancer IATA International Air Transport Association International Bulk Chemical (Code) IBC (Code) IMDG-code International Maritime Code for Dangerous Goods incl. including, inclusive **IUCLIDInternational Uniform Chemical Information Database IUPAC International Union for Pure Applied Chemistry** LC50 Lethal Concentration to 50 % of a test population LD50 Lethal Dose to 50% of a test population (Median Lethal Dose) Logarithm of adsorption coefficient of organic carbon in the soil Log Koc Log Kow, Log Pow Logarithm of octanol-water partition coefficient LQ **Limited Quantities** MARPOL International Convention for the Prevention of Marine Pollution from Ships mg/kg bw mg/kg body weight mg/kg bw/d, mg/kg bw/day mg/kg body weight/day mg/kg dry weight mg/kg dw mg/kg wwt mg/kg wet weight not applicable n.a. n.av. not available not checked n.c. n.d.a. no data available NIOSHNational Institute for Occupational Safety and Health (USA) NLP No-longer-Polymer NOEC, NOEL No Observed Effect Concentration/Level OECD Organisation for Economic Co-operation and Development organic org. OSHA Occupational Safety and Health Administration (USA) PBT persistent, bioaccumulative and toxic

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

PΕ

ppm PVC Polyethylene

parts per million

Polyvinylchloride

PNEC Predicted No Effect Concentration

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ET/PU-9024 - 2K PU ADHESIVE BLACK Component A

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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 Volatile organic compounds

vPvB very persistent and very bioaccumulative

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.

These statements were made by:

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