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> 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** 

Foil Adhesive 600 ml Art.: 9095257

1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture:
Adhesive
Uses advised against:
No information available at present.

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

BTI Befestigungstechnik GmbH & Co. KG Salzstr. 51 74653 Ingelfingen Tel.: +49 7940 141 141 Fax: +49 7940 141 9141 Email: info@bti.de Homepage: www.bti.de

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 (BRC) +1 872 5888271 (BRC)

# **SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture Classification according to Regulation (EC) 1272/2008 (CLP)** The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

2.2 Label elements Labeling according to Regulation (EC) 1272/2008 (CLP)



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EUH208-Contains Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. EUH210-Safety data sheet available on request.

## 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

1,2-benzisothiazol-3(2H)-one	
Registration number (REACH)	
Index	613-088-00-6
EINECS, ELINCS, NLP, REACH-IT List-No.	220-120-9
CAS	2634-33-5
content %	0,005-<0,05
Classification according to Regulation (EC) 1272/2008	Acute Tox. 4, H302
(CLP), M-factors	Skin Irrit. 2, H315
	Eye Dam. 1, H318
	Skin Sens. 1, H317
	Aquatic Acute 1, H400 (M=10)
Specific Concentration Limits and ATE	Skin Sens. 1, H317: >=0,05 %

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one	
and 2-methyl-2H-isothiazol-3-one (3:1)	
Registration number (REACH)	
Index	613-167-00-5
EINECS, ELINCS, NLP, REACH-IT List-No.	
CAS	55965-84-9
content %	<0,0015
Classification according to Regulation (EC) 1272/2008	EUH071
(CLP), M-factors	Acute Tox. 2, H310
	Acute Tox. 2, H330
	Acute Tox. 3, H301
	Skin Corr. 1C, H314
	Eye Dam. 1, H318
	Skin Sens. 1A, H317
	Aquatic Acute 1, H400 (M=100)
	Aquatic Chronic 1, H410 (M=100)



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Specific Concentration Limits and ATE	Skin Corr. 1C, H314: >=0,6 %
	Skin Irrit. 2, H315: >=0,06 %
	Eye Dam. 1, H318: >=0,6 %
	Eye Irrit. 2, H319: >=0,06 %
	Skin Sens. 1A, H317: >=0,0015 %

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

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.

# **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 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. 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. Sensitive individuals: Allergic reaction possible. 4.3 Indication of any immediate medical attention and special treatment needed Symptomatic treatment.

# **SECTION 5: Firefighting measures**

# 5.1 Extinguishing media

Suitable extinguishing media
Adapt to the nature and extent of fire.
Water jet spray/foam/CO2/dry extinguisher
Unsuitable extinguishing media
None known
5.2 Special hazards arising from the substance or mixture
In case of fire the following can develop:
Oxides of carbon
Toxic gases



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# 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. 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.

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

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

Prevent from entering drainage system.

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

### 6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, 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

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.



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# 7.2 Conditions for safe storage, including any incompatibilities

Not to be stored in gangways or stair wells. Store product closed and only in original packing. Store at room temperature. Store in a dry place. **7.3 Specific end use(s)** No information available at present.

# **SECTION 8: Exposure controls/personal protection**

# **8.1 Control parameters**

Area of application	Exposure route / Environmental	Effect on health	Descript or	Value	Unit	Note
	compartment           Environment -		PNEC	0,003	mg/l	
	freshwater		FNEC	39	iiig/1	
	Environment - marine		PNEC	0,003 39	mg/l	
	Environment - sediment, freshwater		PNEC	0,027	mg/kg dw	
	Environment - sediment, marine		PNEC	0,027	mg/kg dw	
	Environment - soil		PNEC	0,01	mg/kg dw	
	Environment - sewage treatment plant		PNEC	0,23	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	0,003 39	mg/l	
Consumer	Human - inhalation	Long term, local effects	DNEL	0,02	mg/m3	
Consumer	Human - inhalation	Short term, local effects	DNEL	0,04	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	0,09	mg/kg bw/d	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	0,02	mg/m3	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	0,04	mg/m3	

# 8.2 Exposure controls8.2.1 Appropriate engineering controls

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



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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.

## 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: Chemical resistant protective gloves (EN ISO 374). Recommended Protective nitrile gloves (EN ISO 374). Minimum layer thickness in mm: >= 0,35 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: Normally not necessary.

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 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.

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

### 9.1 Information on basic physical and chemical properties

y.1 mormation on basic physical and chemical prop	er nes
Physical state:	Paste, liquid.
Colour:	According to specification
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.
Flash point:	n.a.
Auto-ignition temperature:	There is no information available on this parameter.
Decomposition temperature:	There is no information available on this parameter.
pH:	7,5 - 8,5
Kinematic viscosity:	78000 mPas (Dynamic viscosity)
Solubility:	Insoluble
Partition coefficient n-octanol/water (log value):	Does not apply to mixtures.
Vapour pressure:	There is no information available on this parameter.
Density and/or relative density:	1,02 g/cm3 (20°C)
Relative vapour density:	There is no information available on this parameter.
Particle characteristics:	Does not apply to liquids.
9.2 Other information	
Explosives:	Product is not explosive.
Oxidising liquids:	No
Bulk density:	n.a.

# **SECTION 10: Stability and reactivity**

10.1 Reactivity
Not to be expected
10.2 Chemical stability
Stable with proper storage and handling.
10.3 Possibility of hazardous reactions
No dangerous reactions are known.
10.4 Conditions to avoid
See also section 7.
None known
10.5 Incompatible materials
See also section 7.
None known
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).



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Foil Adhesive 600 ml						
Art.: 9095257						
Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes
	nt					
Acute toxicity, by oral						n.d.a.
route:						
Acute toxicity, by						n.d.a.
dermal route:						
Acute toxicity, by						n.d.a.
inhalation:						
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						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.

1,2-benzisothiazol-3(2H)-one								
Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes		
	nt							
Acute toxicity, by oral	LD50	375	mg/kg	Rat				
route:								
Acute toxicity, by	LD50	4115	mg/kg	Rat				
dermal route:								
Skin corrosion/irritation:						Skin Irrit. 2		
Serious eye						Eye Dam. 1		
damage/irritation:								
Respiratory or skin				Guinea pig		Yes (skin		
sensitisation:						contact)		
Germ cell mutagenicity:						Negative		
Symptoms:						vomiting,		
						headaches,		
						gastrointestin		
						al		
						disturbances,		
						nausea		

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)								
Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes		
	nt							



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Acute toxicity, by oral	LD50	53	mg/kg	Rat		
route:						
Acute toxicity, by	LD50	660	mg/kg	Rabbit		
dermal route:						
Skin corrosion/irritation:				Rabbit		Corrosive
Serious eye				Rabbit		Corrosive
damage/irritation:						
Respiratory or skin				Guinea pig	OECD 406 (Skin	Yes (skin
sensitisation:					Sensitisation)	contact)
Aspiration hazard:						No
Symptoms:						diarrhoea,
						mucous
						membrane
						irritation,
						watering
						eyes, eyes,
						reddened

Foil Adhesive 600 ml Art.: 9095257						
Toxicity / effect	Endpoi nt	Value	Unit	Organism	Test method	Notes
Endocrine disrupting properties:						Does not apply 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).

Foil Adhesive 600	nl						
Art.: 9095257							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to							n.d.a.
fish:							
12.1. Toxicity to							n.d.a.
daphnia:							
12.1. Toxicity to							n.d.a.
algae:							
12.2. Persistence							n.d.a.
and degradability:							



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12.3.			n.d.a.
Bioaccumulative			
potential:			
12.4. Mobility in			n.d.a.
soil:			
12.5. Results of			n.d.a.
PBT and vPvB			
assessment			
12.6. Endocrine			Does not
disrupting			apply to
properties:			mixtures.
12.7. Other			No
adverse effects:			information
			available on
			other
			adverse
			effects on
			the
			environment.

1,2-benzisothiazol-3(2H)-one							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to	LC50	96h	0,8-	mg/l	Oncorhynchus	OECD 203	
fish:			2,18		mykiss	(Fish, Acute	
						Toxicity Test)	
12.1. Toxicity to	EC50	48h	1,1-	mg/l	Daphnia	OECD 202	
daphnia:			4,4		magna	(Daphnia sp.	
						Acute	
						Immobilisatio	
						n Test)	
12.1. Toxicity to	EC50	96h	0,055	mg/l	Pseudokirchne		
algae:					riella		
					subcapitata		
12.1. Toxicity to	ErC50	72h	0,11	mg/l	Pseudokirchne	OECD 201	
algae:					riella	(Alga,	
					subcapitata	Growth	
						Inhibition	
						Test)	
12.2. Persistence						OECD 303	Hardly
and degradability:						(Simulation	biodegradabl
						Test -	e
						Aerobic	
						Sewage	
						Treatment)	



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12.3. Bioaccumulative potential:	Log Pow		1,11			A notable biological accumulation potential is not to be expected (LogPow 1- 3).
Toxicity to	EC50	16h	0,4	mg/l	Pseudomonas	
bacteria:					putida	

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to	LC50	96h	0,28	mg/l	Lepomis		
fish:				_	macrochirus		
12.1. Toxicity to	LC50	96h	0,19-	mg/l	Oncorhynchus	OECD 203	
fish:			0,22	_	mykiss	(Fish, Acute	
						Toxicity Test)	
12.1. Toxicity to	NOEC/NO	28d	0,098	mg/l	Oncorhynchus	OECD 210	
fish:	EL			_	mykiss	(Fish, Early-	
						Life Stage	
						Toxicity Test)	
12.1. Toxicity to	NOEC/NO	21d	0,004	mg/l	Daphnia	OECD 211	
daphnia:	EL				magna	(Daphnia	
						magna	
						Reproduction	
						Test)	
12.1. Toxicity to	EC50	48h	0,16	mg/l	Daphnia		
daphnia:				_	magna		
12.1. Toxicity to	EC50	72h	0,048	mg/l	Pseudokirchne	OECD 201	
algae:				_	riella	(Alga,	
					subcapitata	Growth	
					_	Inhibition	
						Test)	
12.1. Toxicity to	NOEC/NO	72h	0,001	mg/l	Pseudokirchne	OECD 201	
algae:	EL		2		riella	(Alga,	
-					subcapitata	Growth	
					-	Inhibition	
						Test)	
12.2. Persistence			>60	%	activated	OECD 301 D	Does not
and degradability:					sludge	(Ready	conform
					Ŭ	Biodegradabil	with EU
						ity - Closed	classification
						Bottle Test)	
12.3.	BCF		3,6			,	calculated
Bioaccumulative							value
potential:							



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12.3. Bioaccumulative potential:	Log Pow		0,401- 0,486				Does not conform with EU classification
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC50	3h	7,92	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	

# **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	
14.1. UN number or ID number:	n.a.
Transport by road/by rail (ADR/RID)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
Classification code:	n.a.



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LQ:	n.a.					
14.5. Environmental hazards:	Not applicable					
Tunnel restriction code:						
Transport by sea (IMDG-code)						
14.2. UN proper shipping name:						
14.3. Transport hazard class(es):	n.a.					
14.4. Packing group:	n.a.					
Marine Pollutant:	n.a					
14.5. Environmental hazards:	Not applicable					
Transport by air (IATA)						
14.2. UN proper shipping name:						
14.3. Transport hazard class(es):	n.a.					
14.4. Packing group:	n.a.					
14.5. 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: General hygiene measures for the handling of chemicals are applicable.

Directive 2010/75/EU (VOC): < 0,35 %

Treated goods as per Regulation (EU) No. 528/2012 must display specific information on the label. Please note Article 58 paragraph (3) subparagraph 2 of Regulation (EU) No. 528/2012. Approval of the biocidal active substance may mean that special conditions are required for marketing the treated goods.

These are indicated in the approval of the active substance.

### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

### **SECTION 16: Other information**

Revised sections:

1-16

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP): Not applicable

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3). H330 Fatal if inhaled. H310 Fatal in contact with skin.



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H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH071 Corrosive to the respiratory tract.

Acute Tox. — Acute toxicity - oral Skin Irrit. — Skin irritation Eye Dam. — Serious eye damage Skin Sens. — Skin sensitization Aquatic Acute — Hazardous to the aquatic environment - acute Acute Tox. — Acute toxicity - dermal Acute Tox. — Acute toxicity - inhalation Skin Corr. — Skin corrosion Aquatic Chronic — Hazardous to the aquatic environment - chronic

### 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)



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BCF **Bioconcentration factor** BSEF The International Bromine Council bw 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) CMR carcinogenic, mutagenic, reproductive toxic DMEL Derived Minimum Effect Level DNEL Derived No Effect Level DOC Dissolved organic carbon dw dry weight for example (abbreviation of Latin 'exempli gratia'), for instance e.g. EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants) European Community EC 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 European Norms EN EPA United States Environmental Protection Agency (United States of America) ErCx,  $E\mu Cx$ , ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants) etc. et cetera EU European Union EVAL Ethylene-vinyl alcohol copolymer Fax. Fax number gen. general GHS Globally Harmonized System of Classification and Labelling of Chemicals GWP Global warming potential Koc Adsorption coefficient of organic carbon in the soil Kow octanol-water partition coefficient IARC International Agency for Research on Cancer IATA International Air Transport Association IBC (Code) International Bulk Chemical (Code) IMDG-code International Maritime Code for Dangerous Goods including, inclusive incl. IUCLID International Uniform Chemical Information Database IUPACInternational 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 not applicable n.a. not available n.av. not checked n.c. n.d.a. no data available National Institute for Occupational Safety and Health (USA) NIOSH

NLP No-longer-Polymer



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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 PE Polyethylene PNEC Predicted No Effect Concentration ppm parts per million PVC Polyvinylchloride Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No REACH 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals) **REACH-IT List-No.** 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT. Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation RID concerning the International Carriage of Dangerous Goods by Rail) SVHC Substances of Very High Concern Tel. Telephone Total organic carbon TOC UN RTDG United Nations Recommendations on the Transport of Dangerous Goods VOC Volatile organic compounds vPvB very persistent and very bioaccumulative wwt wet weight

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