



Page 1 of 13

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

Revision date / version: 07.04.2020 / 0007

Replacing version dated / version: 22.02.2019 / 0006

Valid from: 07.04.2020 PDF print date: 07.04.2020 4W-Window Sealant Indoor 310 ml

Art.: 9075879

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

4W-Window Sealant Indoor 310 ml

Art.: 9075879

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

Sealant

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)

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)





Page 2 of 13

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

Revision date / version: 07.04.2020 / 0007

Replacing version dated / version: 22.02.2019 / 0006

Valid from: 07.04.2020 PDF print date: 07.04.2020

4W-Window Sealant Indoor 310 ml

Art.: 9075879

EUH208-Contains 1,2-benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). 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 %).

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a.

3.2 Mixture

Registration number (REACH)	
Index	
EINECS, ELINCS, NLP	
CAS	
content %	
Classification according to Regulation (EC) 1272/2008	
(CLP)	

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.

Call doctor immediately - have Data Sheet available.

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.





Page 3 of 13

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

Revision date / version: 07.04.2020 / 0007

Replacing version dated / version: 22.02.2019 / 0006

Valid from: 07.04.2020 PDF print date: 07.04.2020

 $4 \hbox{W-Window Sealant Indoor 310 ml} \\$

Art.: 9075879

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.

CO₂

Foam

Extinction powder

Water jet spray

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Toxic gases

5.3 Advice for firefighters

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

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

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.

6.3 Methods and material for containment and cleaning up

Pick up mechanically and dispose of according to Section 13.

Flush residue using copious water.

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.





Page 4 of 13

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

Revision date / version: 07.04.2020 / 0007

Replacing version dated / version: 22.02.2019 / 0006

Valid from: 07.04.2020 PDF print date: 07.04.2020

4W-Window Sealant Indoor 310 ml

Art.: 9075879

7.1 Precautions for safe handling

7.1.1 General recommendations

Ensure good ventilation.

Avoid contact with eyes.

Avoid long lasting or intensive contact with skin.

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

Observe directions on label and instructions for use.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

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

7.2 Conditions for safe storage, including any incompatibilities

Not to be stored in gangways or stair wells.

Store product closed and only in original packing.

Store in a dry place.

Protect from frost.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

© Chemical Name	Diisononyl phthalate		Content %:
WEL-TWA: 5 mg/m3	WEL-STEL:		
Monitoring procedures:		·	
BMGV:		Other information:	

Diisononyl phthalate									
Area of application	Exposure route / Environmental compartment	Effect on health	Descript or	Value	Unit	Note			
	Environment - soil Environment - oral (animal feed)		PNEC PNEC	30 150	mg/kg mg/kg				
Consumer	Human - inhalation	Long term, systemic effects	DNEL	15,3	mg/m3				
Consumer	Human - dermal	Long term, systemic effects	DNEL	220	mg/kg				
Consumer	Human - oral	Long term, systemic effects	DNEL	4,4	mg/kg				
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	366	mg/kg				
Workers / employees	Human - inhalation	Long term, local effects	DNEL	51,72	mg/m3				

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Page 5 of 13

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

Revision date / version: 07.04.2020 / 0007

Replacing version dated / version: 22.02.2019 / 0006

Valid from: 07.04.2020 PDF print date: 07.04.2020

4W-Window Sealant Indoor 310 ml

Art.: 9075879

Area of application	Exposure route / Environmental compartment	Effect on health	Descript or	Value	Unit	Note
Workers / employees	Human - inhalation	Long term,	DNEL	10	mg/m3	
		systemic 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 (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

(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.

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. BS EN 14042.

BS 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:

With danger of contact with eyes.

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

Skin protection - Hand protection:

Chemical resistant protective gloves (EN 374).

If applicable

Protective nitrile gloves (EN 374).





Page 6 of 13

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

Revision date / version: 07.04.2020 / 0007

Replacing version dated / version: 22.02.2019 / 0006

Valid from: 07.04.2020 PDF print date: 07.04.2020 4W-Window Sealant Indoor 310 ml

Art.: 9075879

Permeation time (penetration time) in minutes:

> 480

Minimum layer thickness in mm:

>=0,4

Protective hand cream recommended.

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.

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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Paste, solid.
Colour: White
Odour: Characteristic
Odour threshold: Not determined
pH-value: Not determined

Melting point/freezing point: 0 °C Initial boiling point and boiling range: 100 °C

Flash point:

Flammability (solid, gas):

Lower explosive limit:

Upper explosive limit:

Vapour pressure:

Not determined
Not determined
Not determined
Not determined
Not determined
Not determined





Page 7 of 13

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

Revision date / version: 07.04.2020 / 0007

Replacing version dated / version: 22.02.2019 / 0006

Valid from: 07.04.2020 PDF print date: 07.04.2020

4W-Window Sealant Indoor 310 ml

Art.: 9075879

Vapour density (air = 1):Not determinedDensity:1,57 g/cm3Bulk density:Not determinedSolubility(ies):Not determinedWater solubility:Mixable

Partition coefficient (n-octanol/water):

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

Explosive properties:

Oxidising properties:

Not determined

Not determined

Not determined

Not determined

9.2 Other information

Miscibility: Not determined Fat solubility / solvent: Not determined Conductivity: Not determined Surface tension: Not determined Solvents content: Not determined

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.

Protect from frost.

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 toxicological effects

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

4W-Window Sealant Indoor 310 ml							
Art.: 9075879	Art.: 9075879						
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:							





Page 8 of 13

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

Revision date / version: 07.04.2020 / 0007

Replacing version dated / version: 22.02.2019 / 0006

Valid from: 07.04.2020 PDF print date: 07.04.2020 4W-Window Sealant Indoor 310 ml

Art.: 9075879

Acute toxicity, by inhalation:		n.d.a.
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.

Diisononyl phthalate						
Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes
	nt					
Acute toxicity, by oral	LD50	>10000	mg/kg	Rat	OECD 401 (Acute	
route:					Oral Toxicity)	
Acute toxicity, by	LD50	>3160	mg/kg	Rabbit		
dermal route:						
Acute toxicity, by	LC50	>4,4	mg/l/4h	Rat	Limit-Test	Aerosol
inhalation:						
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Not irritant
					Dermal	
					Irritation/Corrosio	
					n)	
Serious eye				Rabbit	OECD 405 (Acute	Not irritant
damage/irritation:					Eye	
					Irritation/Corrosio	
					n)	
Respiratory or skin				Guinea pig	Regulation (EC)	No (skin
sensitisation:					440/2008 B.6	contact)
					(SKIN	
					SENSITISATION)	
Germ cell mutagenicity:					(Ames-Test)	Negative
Symptoms:						diarrhoea,
						nausea and
						vomiting.

SECTION 12: Ecological information

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





Page 9 of 13

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

Revision date / version: 07.04.2020 / 0007

Replacing version dated / version: 22.02.2019 / 0006

Valid from: 07.04.2020 PDF print date: 07.04.2020 4W-Window Sealant Indoor 310 ml

Art.: 9075879

4W-Window Seala Art.: 9075879	4W-Window Sealant Indoor 310 ml Art.: 9075879								
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:									
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. Other							n.d.a.		
adverse effects:									
Other information:							According		
							to the recipe,		
							contains no		
							AOX.		
Other information:							DOC-		
							elimination		
							degree(comp		
							lexing		
							organic		
							substance)>=		
							80%/28d:		
							n.a.		

Diisononyl phthalate								
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes	
12.1. Toxicity to	LC50	96h	>102	mg/l	Brachydanio	92/69/EC		
fish:				_	rerio			
12.1. Toxicity to	EC50	48h	>=74	mg/l	Daphnia	84/449/EEC		
daphnia:					magna	C.2		
12.1. Toxicity to	NOEC/NO	21d	>=100	mg/l	Daphnia	OECD 202		
daphnia:	EL				magna	(Daphnia sp.		
						Acute		
						Immobilisatio		
						n Test)		
12.1. Toxicity to	NOEC/NO	72h	88	mg/l	Scenedesmus			
algae:	EL				subspicatus			
12.1. Toxicity to	EC50	72h	>88	mg/l	Scenedesmus	84/449/EEC		
algae:					subspicatus	C.3		





Page 10 of 13

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

Revision date / version: 07.04.2020 / 0007

Replacing version dated / version: 22.02.2019 / 0006

Valid from: 07.04.2020 PDF print date: 07.04.2020 4W-Window Sealant Indoor 310 ml

Art.: 9075879

12.2. Persistence and degradability:		28d	81	%	activated sludge	Regulation (EC) 440/2008 C.4- C (DETERMIN ATION OF 'READY' BIODEGRAD ABILITY - CO2 EVOLUTION TEST)	Readily biodegradabl e
12.3. Bioaccumulative potential:	Log Kow		8,8- 9,7			OECD 117 (Partition Coefficient (noctanol/water) - HPLC method)	Analogous conclusion
12.3. Bioaccumulative potential:	BCF	14d	<3				Analogous conclusion
12.4. Mobility in soil:	Koc		>5000				
12.4. Mobility in soil:	H (Henry)		0,000 00149	atm*m 3/mol			
Toxicity to bacteria:	EC50	30min	>83,9	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Other organisms:	NOEC/NO EL	56d	>982, 4	mg/kg	Eisenia foetida		
Other organisms:	LC50	14d	>7372	mg/kg	Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	

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





Page 11 of 13

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

Revision date / version: 07.04.2020 / 0007

Replacing version dated / version: 22.02.2019 / 0006

Valid from: 07.04.2020 PDF print date: 07.04.2020 4W-Window Sealant Indoor 310 ml

Art.: 9075879

allocated under certain circumstances. (2014/955/EU)

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

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:	n.a.
14.1.	. On number.	11.

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

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.





Page 12 of 13

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

Revision date / version: 07.04.2020 / 0007

Replacing version dated / version: 22.02.2019 / 0006

Valid from: 07.04.2020 PDF print date: 07.04.2020 4W-Window Sealant Indoor 310 ml

Art.: 9075879

Directive 2010/75/EU (VOC):

0,422 %

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:

2, 4, 5, 7, 8, 10, 11, 12, 13, 15

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).

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)

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)

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

dw dry weight

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

EC European Community

ECHA European Chemicals Agency





Page 13 of 13

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

Revision date / version: 07.04.2020 / 0007

Replacing version dated / version: 22.02.2019 / 0006

Valid from: 07.04.2020 PDF print date: 07.04.2020 4W-Window Sealant Indoor 310 ml

Art.: 9075879

EEC European Economic Community

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

EN European Norms

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

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

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

incl. including, inclusive

IUCLID International Uniform Chemical Information Database

LQ Limited Quantities

MARPOL International Convention for the Prevention of Marine Pollution from Ships

n.a. not applicablen.av. not availablen.c. not checkedn.d.a. no data available

OECD Organisation for Economic Co-operation and Development

org. organic

PBT persistent, bioaccumulative and toxic

PE Polyethylene

PNEC Predicted No Effect Concentration

ppm parts per million PVC Polyvinylchloride

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

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

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

SVHC Substances of Very High Concern

Tel. Telephone

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.