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

Revision date / version: 03.07.2015 / 0005

Replacing version dated / version: 14.12.2012 / 0004

Valid from: 03.07.2015 PDF print date: 02.06.2021

SCREW LOCK MID TENSILE 50 G

Art.: 9004178

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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

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)

Not applicable

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 %).





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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 Substances

n.a.

3.2 Mixtures

Registration number (REACH)	
Index	
EINECS, ELINCS, NLP, REACH-IT List-No.	
CAS	
content %	
Classification according to Regulation (EC) 1272/2008	
(CLP), M-factors	

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

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.

Eye contact

Remove contact lenses.

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

Ingestion

Rinse the mouth thoroughly with water.

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.

4.3 Indication of any immediate medical attention and special treatment needed

n.c.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media





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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

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

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

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

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

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.

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.





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Do not store with oxidizing agents. Store in a well-ventilated place.

Protect from direct sunlight and warming.

Protect from humidity. Protect from frost.

Recommended storage temperature:

20°C

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

© Chemical Name	Diethyl phthalate				Content %:
WEL-TWA: 5 mg/m3	WEL-STE	L: 10 mg/m ²	3		
Monitoring procedures:					
BMGV:			Other information:	:	

Diethyl phthalate						
Area of application	Exposure route / Environmental compartment	Effect on health	Descript or	Value	Unit	Note
	Environment - freshwater		PNEC	12	μg/l	
	Environment - marine		PNEC	1,2	μg/l	
	Environment - water, sporadic (intermittent) release		PNEC	120	μg/l	
	Environment - soil		PNEC	0,137	mg/kg dw	
	Environment - sediment, freshwater		PNEC	0,137	mg/kg dw	
	Environment - sediment, marine		PNEC	0,013 7	mg/kg dw	
	Environment - sewage treatment plant		PNEC	2000	μg/l	
Consumer	Human - oral	Short term, systemic effects	DNEL	3,75	mg/kg bw/day	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	13	mg/m3	
Consumer	Human - dermal	Short term, systemic effects	DNEL	3,75	mg/kg bw/day	
Consumer	Human - inhalation	Short term, local effects	DNEL	13	mg/m3	
Consumer	Human - dermal	Short term, local effects	DNEL	0,008 4	mg/cm2	





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Consumer	Human - oral	Long term, systemic effects	DNEL	0,75	mg/kg bw/day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	2,6	mg/m3	
Consumer	Human - dermal	Long term, systemic effects	DNEL	0,75	mg/kg bw/day	
Consumer	Human - inhalation	Long term, local effects	DNEL	2,6	mg/m3	
Consumer	Human - dermal	Long term, local effects	DNEL	0,004	mg/cm2	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	52,8	mg/m3	
Workers / employees	Human - dermal	Short term, systemic effects	DNEL	7,5	mg/kg bw/day	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	52,8	mg/m3	
Workers / employees	Human - dermal	Short term, local effects	DNEL	0,017	mg/cm2	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	10,56	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	1,5	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	10,56	mg/m3	
Workers / employees	Human - dermal	Long term, local effects	DNEL	0,008 4	mg/cm2	

- 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).
- $(8) = Inhalable\ fraction\ (2017/164/EU,\ 2017/2398/EU).\ (9) = Respirable\ fraction\ (2017/164/EU,\ 2017/2398/EU).$ $(10) = Short\text{-term}\ exposure\ limit\ value\ in\ relation\ to\ a\ reference\ period\ of\ 1\ minute\ (2017/164/EU).\ |\ BMGV=Biological\ monitoring\ guidance\ value\ EH40.\ BGW="Biologischer\ Grenzwert"\ (biological\ limit\ value,\ Germany)\ |\ Other\ information:\ Sen=Capable\ of\ causing\ occupational\ asthma.\ Sk=Can\ be\ absorbed\ through\ skin.\ Carc=Capable\ of\ causing\ cancer\ and/or\ heritable\ genetic\ damage.$
- ** = 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.





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Applies only if maximum permissible exposure values are listed here.

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

These are specified by e.g. EN 14042.

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

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

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

Eye/face protection:

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

Skin protection - Hand protection:

Chemical resistant protective gloves (EN 374).

Recommended

Protective gloves made of fluorocarbon rubber (EN 374).

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.

In aerosol misting:

Filter A P2 (EN 14387), code colour brown, 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 to manufacturer.

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

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





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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: Liquid Colour: Blue

Odour: Characteristic
Odour threshold: Not determined

pH-value: n.a.

Melting point/freezing point:

Initial boiling point and boiling range:

Flash point:

Evaporation rate:

Flammability (solid, gas):

Lower explosive limit:

Upper explosive limit:

Not determined

Not determined

Not determined

Not determined

Not determined

Not determined

Vapour pressure: <0,15 hPa (25°C, DIN 51616)

Vapour density (air = 1): Not determined

Density: 1,08 g/ml (25°C, DIN 53217)

Bulk density: n.a.

Solubility(ies):

Water solubility:

Partition coefficient (n-octanol/water):

Not determined

Not determined

Auto-ignition temperature: >300 °C (Ignition temperature)

Decomposition temperature: >200 °C

Viscosity: 1000 mPas (23°C)

Explosive properties: n.a. Oxidising properties: No

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

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

See also section 7.

Strong heat

10.5 Incompatible materials





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See also section 7. Alkali metals Peroxides Oxidizing agents Reducing agent

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).

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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.			

Diethyl phthalate								
Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes		
	nt							
Acute toxicity, by oral	LD50	8600	mg/kg	Rat				
route:								
Acute toxicity, by	LD50	>10	mg/kg	Rat				
dermal route:								





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Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosio n)	Not irritant
Serious eye				Rabbit	11)	Mild irritant
damage/irritation:						
Respiratory or skin				Mouse	OECD 429 (Skin	Not
sensitisation:					Sensitisation -	sensitizising
					Local Lymph	
					Node Assay)	
Respiratory or skin				Guinea pig	OECD 406 (Skin	Not
sensitisation:					Sensitisation)	sensitizising
Germ cell mutagenicity:					OECD 471	Negative
2 ,					(Bacterial Reverse	
					Mutation Test)	
Germ cell mutagenicity:					OECD 473 (In	Negative
2 ,					Vitro Mammalian	
					Chromosome	
					Aberration Test)	
Germ cell mutagenicity:					OECD 476 (In	Negative
					Vitro Mammalian	
					Cell Gene	
					Mutation Test)	
Carcinogenicity:	NOAEL	1015	mg/kg	Rat	OECD 451	
			bw/d		(Carcinogenicity	
					Studies)	
Reproductive toxicity:	NOAEL	15000	ppm	Rat	OECD 416 (Two-	
			FF		generation	
					Reproduction	
					Toxicity Study)	
Specific target organ	NOAEL	150	mg/kg	Rat		
toxicity - repeated						
exposure (STOT-RE):						
Symptoms:						abdominal
, 1						pain,
						unconsciousn
						ess,
						diarrhoea,
						coughing,
						watering
						eyes, nausea
						and
						vomiting.

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification). SCREW LOCK MID TENSILE 50 G

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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:							

Diethyl phthalate							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to	LC50	48h	61	mg/l	Leuciscus idus		
fish:							
12.1. Toxicity to	LC50	96h	12	mg/l	Oncorhynchus		
fish:					mykiss		
12.1. Toxicity to	NOEC/NO	21d	25	mg/l	Daphnia		
daphnia:	EL				magna		
12.1. Toxicity to	LC50	24h	52	mg/l	Daphnia		
daphnia:					magna		
12.1. Toxicity to	EC50	72h	23	mg/l	Scenedesmus	DIN 38412	
algae:					subspicatus	T.9	
12.2. Persistence		28d	94,6	%		U.S. EPA	Completely
and degradability:						ECOTOX	biodegradab
						Database	e.
12.3.	Log Pow		2,2				41°C, pH 7,
Bioaccumulative							
potential:							
12.3.	BCF		13,14				
Bioaccumulative							
potential:							
12.4. Mobility in	Log Koc		2,34			OECD 121	21°C
soil:						(Estimation	
						of the	
						Adsorption	
						Coefficient	
						(Koc) on Soil	
						and on	
						Sewage	
						Sludge using	
						HPLC)	





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Toxicity to	EC20	30min	400	mg/l	activated	ISO 8192
bacteria:					sludge	
Other organisms:	EC50	7d	106	mg/kg	Lactuca sativa	OECD 208
						(Terrestrial
						Plants,
						Growth Test)
Other organisms:	LC50	48h	0,85	mg/cm	Eisenia	OECD 207
				2	foetida	(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 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.

Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:

14.3. Transport hazard class(es):
14.4. Packing group:
14.5. Classification code:
14.6. Classification code:
15. Classification code:
16. Classification code:
17. Classification code:
18. Classification code:
19. Classifi

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.





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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.

Directive 2010/75/EU (VOC): < 1 %

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).

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



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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 CommunityECHA European Chemicals AgencyEEC 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

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)

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





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

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SCREW LOCK MID TENSILE 50 G

Art.: 9004178

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 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.