Page 1 of 19

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

Revision date / version: 06.04.2018 / 0005

Replacing version dated / version: 06.03.2018 / 0004

Valid from: 06.04.2018 PDF print date: 17.04.2018 Power Repair 21 + 22 Aktivator



# 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

# Power Repair 21 + 22 Aktivator

# 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

TECHNIQUA HANDELS GmbH Hartleitnerstraße 3 A-4653 Eberstalzell Tel: +43 (0) 7241 213 79 E-Mail: office@techniqua.at

# 1.4 Emergency telephone number Emergency information services / official advisory body:

Poisoning Information Centre (VIZ), Stubenring 6, A-1010 Vienna, Emergency call 0-24 hrs: +43 1 406 43 43, Office hours: Monday to Friday, 8 to 16 hrs, Tel.: +43 1 406 68 98

#### **SECTION 2: Hazards identification**

# 2.1 Classification of the substance or mixture

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

nazaru ciass	nazaro category	nazaru statement
Flam. Liq.	2	H225-Highly flammable liquid and vapour.
STOT SE	3	H335-May cause respiratory irritation.

Skin Irrit. 2 H315-Causes skin irritation.

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

#### 2.2 Label elements

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



H225-Highly flammable liquid and vapour. H335-May cause respiratory irritation. H315-Causes skin irritation. H317-May cause an allergic skin reaction.



Page 2 of 19

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

Revision date / version: 06.04.2018 / 0005

Replacing version dated / version: 06.03.2018 / 0004

Valid from: 06.04.2018 PDF print date: 17.04.2018 Power Repair 21 + 22 Aktivator

P210-Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261-Avoid breathing vapours. P280-Wear protective gloves.

P312-Call a POISON CENTRE / doctor if you feel unwell.

Methyl methacrylate

Cobalt bis(2-ethylhexanoate)

### 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

<u></u>	
Methyl methacrylate	Substance for which an EU exposure limit value
	applies.
Registration number (REACH)	01-2119452498-28-XXXX
Index	607-035-00-6
EINECS, ELINCS, NLP	201-297-1
CAS	80-62-6
content %	50-75
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 2, H225
	STOT SE 3, H335
	Skin Irrit. 2, H315
	Skin Sens. 1, H317

Oxydipropyl dibenzoate	
Registration number (REACH)	01-2119529241-49-XXXX
Index	
EINECS, ELINCS, NLP	248-258-5
CAS	27138-31-4
content %	1-<10
Classification according to Regulation (EC) 1272/2008 (CLP)	Aquatic Chronic 3, H412

3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP	252-091-3
CAS	34562-31-7
content %	1-<3
Classification according to Regulation (EC) 1272/2008 (CLP)	Acute Tox. 4, H302
	Eye Irrit. 2, H319
	Skin Irrit. 2, H315

Cobalt bis(2-ethylhexanoate)	
Registration number (REACH)	01-2119524678-29-XXXX
Index	
EINECS, ELINCS, NLP	205-250-6
CAS	136-52-7
content %	0,01-<0,1
Classification according to Regulation (EC) 1272/2008 (CLP)	Skin Sens. 1A, H317
	Eye Irrit. 2, H319
	Repr. 2, H361f
	Aquatic Acute 1, H400 (M=1)
	Aquatic Chronic 3, H412

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.

Page 3 of 19

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

Revision date / version: 06.04.2018 / 0005

Replacing version dated / version: 06.03.2018 / 0004

Valid from: 06.04.2018 PDF print date: 17.04.2018 Power Repair 21 + 22 Aktivator

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

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.

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.

Irritant to mucosa of the nose and throat

Coughing

In high doses:

Narcotic effect.

# 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

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

Explosive vapour/air or gas/air mixtures.

Dangerous vapours heavier than air.

In case of spreading near the ground, flashback to distance sources of ignition is possible.

#### 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

Keep unprotected persons away.

Remove possible causes of ignition - do not smoke.

Ensure sufficient supply of air.

Avoid inhalation, and contact with eyes or skin.

If applicable, caution - risk of slipping.



Page 4 of 19

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

Revision date / version: 06.04.2018 / 0005

Replacing version dated / version: 06.03.2018 / 0004

Valid from: 06.04.2018 PDF print date: 17.04.2018 Power Repair 21 + 22 Aktivator

# 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) and dispose of according to Section 13. Fill the absorbed material into lockable containers.

#### 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 inhalation of the vapours.

Avoid contact with eyes or skin.

Keep away from sources of ignition - Do not smoke.

Take measures against electrostatic charging, if appropriate.

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.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.

Store product closed and only in original packing.

Not to be stored in gangways or stair wells.

Do not store with flammable or self-igniting materials.

Protect from direct sunlight and warming.

Observe special storage conditions.

Store in a well ventilated place.

Protect from direct sunlight and warming.

Store cool.

# 7.3 Specific end use(s)

No information available at present.

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

# 8.1 Control parameters

© Chemical Name	Methyl methacrylate		Content %:50- 75
WEL-TWA: 50 ppm (208 mg/m)			
(EU)	ppm (EU)		
Monitoring procedures:	- Compur - KITA-184 S (548 618)		
	NIOSH 2537 (Methyl and ethyl metacrylate) - 2003 - EU	project	
	<ul> <li>BC/CEN/ENTR/000/2002-16 card 109-2 (2004)</li> </ul>		
BMGV:	Other information:	-	
©® Chemical Name	Cobalt bis(2-ethylhexanoate)		Content %:0,01- <0,1
WFL-TWA: 0.1 mg/m3 (cobalt a	and cobalt WFL-STFL:		

	Sobalt bio(2 out) inoxalicato)		<0,1
WEL-TWA: 0,1 mg/m3 (cobalt a	and cobalt WEL-STEL:		
compounds, as Co)			
Monitoring procedures:	ISO 15202 (Workplace air — Determination of me	tals and meta	alloids in airborne
	particulate matter by Inductively Coupled Plasma A	Atomic Emiss	sion
	Spectrometry), Part 1-3 - 2000(Part 1), 2001(Part 1	2), 2004 (Par	t 3) - EU project
	<ul> <li>BC/CEN/ENTR/000/2002-16 card 83-1 (2004)</li> </ul>		

Page 5 of 19

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

Revision date / version: 06.04.2018 / 0005

Replacing version dated / version: 06.03.2018 / 0004

Valid from: 06.04.2018 PDF print date: 17.04.2018 Power Repair 21 + 22 Aktivator

MDHS 91 (Metals and metalloids in workplace air by X-ray fluorescence

- spectrometry) 1998 EU project BC/CEN/ENTR/000/2002-16 card 83-3 (2004)
- NIOSH 7027 (Cobalt and compounds, as Co) 1994
- NIOSH 7300 (Elements by ICP (nitric/perchloric ashing)) 2003
- NIOSH 7301 (Elements by ICP (aqua regia ashing)) 2003 NIOSH 7303 (Elements by ICP (Hot block HCl/HNO3 digestion)) 2003 OSHA ID-213 (Tungsten and cobalt in workplace atmospheres (ICP analysis)) -
- 1994
  - OSHA ID-121 (Metal and metalloid particulates in workplace atmospheres
- (Atomic absorption)) 2002
  - OSHA ID-125G (Metal and metalloid particulates in workplace atmospheres
- (ICP)) 2002
  - ISO 15202 (Workplace air Determination of metals and metalloids in airborne particulate matter by Inductively Coupled Plasma Atomic Emission Spectrometry), Part 1-3 - 2000(Part 1), 2001(Part 2), 2004 (Part 3) - EU project
- BC/CEN/ENTR/000/2002-16 card 83-1 (2004)
- MDHS 91 (Metals and metalloids in workplace air by X-ray fluorescence
- spectrometry) 1998 EU project BC/CEN/ENTR/000/2002-16 card 83-3 (2004)
- NIOSH 7027 (Cobalt and compounds, as Co) 1994
- NIOSH 7300 (Elements by ICP (nitric/perchloric ashing)) 2003
- NIOSH 7301 (Elements by ICP (aqua regia ashing)) 2003
- NIOSH 7303 (Elements by ICP (Hot block HCI/HNO3 digestion)) 2003 OSHA ID-213 (Tungsten and cobalt in workplace atmospheres (ICP analysis)) -
- - OSHA ID-121 (Metal and metalloid particulates in workplace atmospheres
- (Atomic absorption)) 2002
  - OSHA ID-125G (Metal and metalloid particulates in workplace atmospheres
- (ICP)) 2002

BMGV:		•	0	ther information:	
Chemical Name	Silica, amorphous	3			Content %:
WEL-TWA: 6 mg/m3 (total inh.	dust), 2,4 mg/m3	WEL-STEL:			
(resp. dust)					
Monitoring procedures:	-				
BMGV:			0	ther information:	
© Chemical Name	Calcium carbonat	te			Content %:
WEL-TWA: 4 mg/m3 (respirable	e dust), 10 mg/m3	WEL-STEL:			
(total inhalable dust)					
Monitoring procedures:	-				
BMGV·			0	ther information:	

- 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 (2017/164/EU). (9) = Respirable fraction (2017/164/EU). | WEL-STEL = Workplace Exposure Limit Shortterm exposure limit (15-minute reference period).
- (8) = Inhalable fraction (2017/164/EU). (9) = Respirable fraction (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. 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.

# 8.2 Exposure controls

Methyl methacrylate						
Area of application	Exposure route / Environmental compartment	Effect on health	Descripto r	Value	Unit	Note
	Environment - freshwater		PNEC	0,94	mg/l	
	Environment - marine		PNEC	0,094	mg/l	
	Environment - sediment		PNEC	5,74	mg/kg	
Industrial / commercial	Human - dermal	Long term, local effects	DNEL	1,5	mg/kg	
Industrial / commercial	Human - inhalation	Long term, local effects	DNEL	210	mg/m3	
Industrial / commercial	Human - inhalation	Long term, systemic effects	DNEL	210	mg/m3	



Page 6 of 19
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 06.04.2018 / 0005
Replacing version dated / version: 06.03.2018 / 0004
Valid from: 06.04.2018

Industrial / commercial	Human - dermal	Long term, systemic effects	DNEL	13,67	mg/kg	
		0110010				

Area of application	Exposure route /	Effect on health	Descripto	Value	Unit	Note
	Environmental		r			
	compartment					
	Environment - freshwater		PNEC	0,0037	mg/l	
	Environment - water,		PNEC	0,037	mg/l	
	sporadic (intermittent)					
	release					
	Environment - marine		PNEC	0,00037	mg/l	
	Environment - sediment,		PNEC	1,49	mg/kg	
	freshwater					
	Environment - sediment,		PNEC	0,149	mg/kg	
	marine					
	Environment - sewage		PNEC	10	mg/l	
	treatment plant					
	Environment - soil		PNEC	1	mg/kg	
Consumer	Human - oral	Short term, systemic	DNEL	80	mg/kg	
		effects				
Consumer	Human - dermal	Short term, systemic	DNEL	80	mg/kg	
		effects				
Consumer	Human - inhalation	Short term, systemic	DNEL	8,7	mg/m3	
		effects				
Consumer	Human - oral	Long term, systemic	DNEL	5	mg/kg	
		effects				
Consumer	Human - dermal	Long term, systemic	DNEL	0,22	mg/kg	
		effects				
Consumer	Human - inhalation	Long term, systemic	DNEL	8,69	mg/m3	
		effects				
Workers / employees	Human - dermal	Short term, systemic	DNEL	170	mg/kg	
		effects				
Workers / employees	Human - inhalation	Short term, systemic	DNEL	35,08	mg/m3	
		effects				
Workers / employees	Human - dermal	Long term, systemic	DNEL	10	mg/kg	
		effects				

Cobalt bis(2-ethylhexanoate)						
Area of application	Exposure route / Environmental	Effect on health	Descripto	Value	Unit	Note
	compartment		ľ			
Consumer	Human - inhalation	Long term, local effects	DNEL	0,037	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	0,0558	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	0,2351	mg/m3	

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

Calcium carbonate										
Area of application	f application Exposure route / Effect on health Descripto Value Unit Not									
	Environmental		r							
	compartment									
	Environment - sewage		PNEC	100	mg/l					
	treatment plant									
	•	•	•	•	•					

Page 7 of 19

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

Revision date / version: 06.04.2018 / 0005

Replacing version dated / version: 06.03.2018 / 0004

Valid from: 06.04.2018 PDF print date: 17.04.2018 Power Repair 21 + 22 Aktivator

Consumer	Human - inhalation	Long term, systemic effects	DNEL	10	mg/m3	
Consumer	Human - inhalation	Long term, local effects	DNEL	1,06	mg/m3	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	10	mg/m3	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	4,26	mg/m3	

# 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:

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

Skin protection - Hand protection:

Chemical resistant protective gloves (EN 374).

Recommended

Protective gloves in butyl rubber (EN 374).

Minimum layer thickness in mm:

0,7

Permeation time (penetration time) in minutes:

> 60

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.

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

Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:

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

Page 8 of 19

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

Revision date / version: 06.04.2018 / 0005

Replacing version dated / version: 06.03.2018 / 0004

Valid from: 06.04.2018 PDF print date: 17.04.2018 Power Repair 21 + 22 Aktivator

Physical state: Liquid 20°C

Colour: According to specification

Odour: Characteristic
Odour threshold: Not determined
pH-value: Not determined
Melting point/freezing point: Not determined
Initial boiling point and boiling range: Not determined
Flash point: 10 °C (closed cup)

Flash point:

Evaporation rate:

Flammability (solid, gas):

10 °C (closed cup)

Not determined

n.a.

Lower explosive limit:

Upper explosive limit:

Vapour pressure:

Vapour density (air = 1):

Density:

Not determined

Bulk density: n.a.

Solubility(ies):

Water solubility:

Partition coefficient (n-octanol/water):

Auto-ignition temperature:

Decomposition temperature:

Not determined

Not determined

Not determined

Explosive properties: Product is not explosive. Possible build up of explosive/highly

flammable vapour/air mixture.

>40 mm2/s (40°C)

Oxidising properties: No

9.2 Other information

Viscosity:

Miscibility:

Fat solubility / solvent:

Conductivity:

Surface tension:

Solvents content:

Not determined

Not determined

Not determined

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 decomposition if used as intended.

#### 10.4 Conditions to avoid

Heating, open flame, ignition sources

# 10.5 Incompatible materials

Mineral acids Oxidizing agents Reducing agent

Peroxides Amines

Heavy metals

# 10.6 Hazardous decomposition products

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).

Power Repair 21 + 22 Aktivator							
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes	
Acute toxicity, by oral route:	ATE	>2000	mg/kg			calculated value	
Acute toxicity, by dermal						n.d.a.	
route:							
Acute toxicity, by inhalation:						n.d.a.	
Skin corrosion/irritation:						n.d.a.	



Page 9 of 19
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 06.04.2018 / 0005
Replacing version dated / version: 06.03.2018 / 0004
Valid from: 06.04.2018

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.

Methyl methacrylate Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
						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	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	29,8	mg/l	Rat	,	
Skin corrosion/irritation:	2000	20,0	g/.	Rabbit		Irritant
Serious eye				Rabbit		Mild irritant
damage/irritation:						
Respiratory or skin				Mouse	OECD 429 (Skin	Sensitising
sensitisation:					Sensitisation - Local	(skin contact)
					Lymph Node Assay)	
Respiratory or skin				Human being		Sensitising
sensitisation:						(skin contact)
Germ cell mutagenicity:					OECD 471 (Bacterial	Negative
,					Reverse Mutation Test)	
Carcinogenicity:						Negative
Reproductive toxicity:						Negative
Specific target organ toxicity -	NOAEL	2000	ppm	Rat		
repeated exposure (STOT- RE):						
Aspiration hazard:						No indications
, topilation flazara.						of such an effect.
Symptoms:  Specific target organ toxicity -						breathing difficulties, respiratory distress, drowsiness, drop in blood pressure, coughing, headaches, fatigue, mucous membrane irritation, watering eyes, mental confusion Irritation of the
single exposure (STOT-SE), inhalative:	NOAFI	1000		Maura		respiratory trac
Specific target organ toxicity - repeated exposure (STOT- RE), inhalat.:	NOAEL	1000	ppm	Mouse		14w, 6h/d, 5d/v

Oxydipropyl dibenzoate							
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes	
Acute toxicity, by oral route:	LD50	3914	mg/kg	Rat			



Page 10 of 19
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 06.04.2018 / 0005
Replacing version dated / version: 06.03.2018 / 0004
Valid from: 06.04.2018

Acute toxicity, by dermal	LD50	>2000	mg/kg	Rat	
route:					
Acute toxicity, by inhalation:	LC50	>200	mg/l/4h	Rat	
Skin corrosion/irritation:				Rabbit	Not irritant
Serious eye				Rabbit	Mild irritant
damage/irritation:					
Respiratory or skin				Guinea pig	Not sensitizising
sensitisation:					
Specific target organ toxicity -	NOAEL	1000	mg/kg	Rat	
repeated exposure (STOT-					
RE), oral:					

Cobalt bis(2-ethylhexanoate)								
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes		
Acute toxicity, by oral route:	LD50	3129	mg/kg	Rat	OECD 425 (Acute Oral Toxicity - Up-and- Down Procedure)			
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rat	OECD 402 (Acute Dermal Toxicity)			
Skin corrosion/irritation:					OECD 439 (In Vitro Skin Irritation - Reconstructed Human Epidermis Test Method)	Not irritant		
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Eye Irrit. 2		
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Yes (skin contact)		
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative		
Specific target organ toxicity - single exposure (STOT-SE), oral:				Rat	OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)	Negative		

Silica, amorphous						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute	Analogous
					Oral Toxicity)	conclusion
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LC50	>0,139	mg/l/4h	Rat		References,
						Maximum
						achievable
						concentration.
Skin corrosion/irritation:				Rabbit		Not irritant,
						References
Serious eye				Rabbit		Not irritant,
damage/irritation:						Mechanical
						irritation
						possible., References
Respiratory or skin				Cuinos nia		
sensitisation:				Guinea pig		Not sensitizising
Germ cell mutagenicity:						Negative
Carcinogenicity:						No indications
						of such an
						effect.
Reproductive toxicity						No indications
(Developmental toxicity):						of such an
						effect.
Symptoms:						eyes, reddened

Calcium carbonate						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes



Page 11 of 19
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 06.04.2018 / 0005

Replacing version dated / version: 06.03.2018 / 0004

Valid from: 06.04.2018 PDF print date: 17.04.2018 Power Repair 21 + 22 Aktivator

Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat	OECD 420 (Acute	
					Oral toxicity - Fixe	
A ( ) ::( )	1.050	. 0000	"	·	Dose Procedure)	
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rat	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	>3	mg/l/4h	Rat	OECD 403 (Acute	
3. 3			J		Inhalation Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Not irritant
					Dermal	
					Irritation/Corrosion)	
Serious eye				Rabbit	OECD 405 (Acute	Not irritant
damage/irritation:					Eye	
					Irritation/Corrosion)	
Respiratory or skin				Mouse	OECD 429 (Skin	Not sensitizising
sensitisation:					Sensitisation - Local	
					Lymph Node Assay)	
Germ cell mutagenicity:					OECD 471 (Bacterial	Negative
					Reverse Mutation	
					Test)	
Germ cell mutagenicity:					OECD 473 (In Vitro	Negative
					Mammalian `	
					Chromosome	
					Aberration Test)	
Germ cell mutagenicity:					OECD 476 (In Vitro	Negative
g ,					Mammalian Cell Gene	
					Mutation Test)	
Carcinogenicity:						No indications
						of such an
						effect.
Reproductive toxicity:	NOEL	1000	mg/kg	Rat	OECD 422	
			bw/d		(Combined Repeated	
					Dose Tox. Study with	
					the	
					Reproduction/Develop	
					m. Tox. Screening	
					Test)	
Specific target organ toxicity -						No indications
single exposure (STOT-SE):						of such an
						effect.
Specific target organ toxicity -						No indications
repeated exposure (STOT-						of such an
RE):						effect.
Aspiration hazard:						No
Symptoms:						No indications
						of such an
				1		effect.
Specific target organ toxicity -	NOAEL	1000	mg/kg	Rat	OECD 422	
repeated exposure (STOT-			bw/d		(Combined Repeated	
RE), oral:					Dose Tox. Study with	
					the	
					Reproduction/Develop	
					m. Tox. Screening	
					Test)	
Specific target organ toxicity -	NOAEC	0,212	mg/l	Rat	OECD 413	
repeated exposure (STOT-					(Subchronic Inhalation	
RE), inhalat.:					Toxicity - 90-Day	
,,					Study)	

# **SECTION 12: Ecological information**

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

Power Repair 21 + 22 Aktivator							
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:							



Page 12 of 19
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 06.04.2018 / 0005
Replacing version dated / version: 06.03.2018 / 0004
Valid from: 06.04.2018

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. Other adverse	n.d.a.
effects:	
Other information:	Does not contain any organically bound halogens which can contribute to the AOX value in waste water.
Other information:	DOC- elimination degree(complex ing organic substance)>= 80%/28d: n.a.

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>79	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to fish:	LC50	96h	130	mg/l	Pimephales promelas	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to fish:	NOEC/NOEL		9,4	mg/l	Brachydanio rerio	OECD 210 (Fish, Early-Life Stage Toxicity Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	37	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to daphnia:	EC50	48h	69	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	EC50	72h	>110	mg/l	Pseudokirchnerie Ila subcapitata	OEĆD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	EC50	96h	37	mg/l	Selenastrum capricornutum	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:		7d	37	mg/l	Scenedesmus quadricauda	ŕ	
12.2. Persistence and degradability:		14d	94	%		OECD 301 C (Ready Biodegradability - Modified MITI Test (I))	Readily biodegradable
12.2. Persistence and degradability:		28d	>95	%		OECD 302 B (Inherent Biodegradability - Zahn- Wellens/EMPA Test)	Readily biodegradable

Page 13 of 19
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 06.04.2018 / 0005
Replacing version dated / version: 06.03.2018 / 0004
Valid from: 06.04.2018

12.3. Bioaccumulative potential:	Log Pow	1,32- 1,38		OECD 107 (Partition Coefficient (n- octanol/water) - Shake Flask Method)	A notable biological accumulation potential is not to be expected (LogPow 1-3).
12.4. Mobility in soil:				ivieulou)	No indications of such an effect.
12.5. Results of PBT and vPvB assessment					No PBT substance, No vPvB substance
Water solubility:		15,9	g/l		20°C

Oxydipropyl dibenzoate							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	3,7	mg/l			
12.1. Toxicity to daphnia:	LL50	48h	19,3	mg/l			
12.1. Toxicity to algae:	LL50	72h	4,9	mg/l			
12.1. Toxicity to algae:	NOELR	72h	1	mg/l			
12.2. Persistence and degradability:	BOD5		650	mg/g			
12.2. Persistence and degradability:	COD		2230	mg/g			
12.2. Persistence and degradability:		28d	87	%			Readily biodegradable
Other information:	BOD5		2.23	a/a			

Cobalt bis(2-ethylhexa	Cobalt bis(2-ethylhexanoate)							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes	
12.1. Toxicity to fish:	LC50	96h	48	mg/l	Pimephales promelas		Analogous conclusion	
12.1. Toxicity to algae:	EC50	72h	0,14	mg/l		OECD 201 (Alga, Growth Inhibition Test)	Analogous conclusion	
12.2. Persistence and degradability:		10d	60	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	Readily biodegradable	

Silica, amorphous							
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	>10000	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	EL50	72h	>10000	mg/l		OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:						,	Abiotically degradable.
12.3. Bioaccumulative potential:							Not to be expected
12.4. Mobility in soil:							Not to be expected
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance

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

Page 14 of 19
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 06.04.2018 / 0005
Replacing version dated / version: 06.03.2018 / 0004
Valid from: 06.04.2018

40.4 T : " 1 C 1	1.050	001				0505.000	NI I C
12.1. Toxicity to fish:	LC50	96h			Oncorhynchus mykiss	OECD 203 (Fish, Acute	No observation with saturated
						Toxicity Test)	solution of test material.
12.1. Toxicity to	EC50	48h			Daphnia magna	OECD 202	No observation
daphnia:						(Daphnia sp.	with saturated
						Acute	solution of test
						Immobilisation Test)	material.
12.1. Toxicity to algae:	EC50	72h	>14	mg/l	Desmodesmus	OECD 201	
					subspicatus	(Alga, Growth	
12.1. Toxicity to algae:	NOEC/NOEL	72h	14	mg/l	Desmodesmus	Inhibition Test) OECD 201	
12.1. Toxidity to algac.	NOLO/NOLL	1211	'-	ilig/i	subspicatus	(Alga, Growth	
					'	Inhibition Test)	
12.2. Persistence and							Not relevant for
degradability:							inorganic substances.
12.3. Bioaccumulative							Not to be
potential:							expected
12.4. Mobility in soil:							n.a.
12.5. Results of PBT and vPvB assessment							No PBT substance, No
and vi vb assessment							vPvB substance
Toxicity to bacteria:	EC50	3h	>1000	mg/l	activated sludge	OECD 209	
						(Activated	
						Sludge, Respiration	
						Inhibition Test	
						(Carbon and	
						Ammonium	
Taviaity to hastoria:	NOEC/NOEL	3h	1000	ma/l	activated sludge	Oxidation)) OECD 209	
Toxicity to bacteria:	NOEC/NOEL	311	1000	mg/l	activated sludge	(Activated	
						Sludge,	
						Respiration	
						Inhibition Test	
						(Carbon and Ammonium	
						Oxidation))	
Other organisms:	EC50	21d	>1000	mg/kg dw		OECD 208	Glycine max
						(Terrestrial	
						Plants, Growth Test)	
Other organisms:	EC50	21d	>1000	mg/kg dw		OECD 208	Lycopersicon
<del>-</del>		· <del>-</del>				(Terrestrial	esculentum
						Plants, Growth	
Other ergenisms:	EC50	214	>1000	ma/ka diri		Test) OECD 208	Avono cotivo
Other organisms:	EC30	21d	71000	mg/kg dw		(Terrestrial	Avena sativa
						Plants, Growth	
						Test)	
Other organisms:	NOEC/NOEL	21d	1000	mg/kg dw		OECD 208	Glycine max
						(Terrestrial Plants, Growth	
						Test)	
Other organisms:	NOEC/NOEL	21d	1000	mg/kg dw		OECD 208	Lycopersicon
						(Terrestrial	esculentum
						Plants, Growth Test)	
Other organisms:	NOEC/NOEL	21d	1000	mg/kg dw		OECD 208	Avena sativa
2 2.2. 2. 32/110/110.		,				(Terrestrial	
						Plants, Growth	
						Test)	

Page 15 of 19

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

Revision date / version: 06.04.2018 / 0005

Replacing version dated / version: 06.03.2018 / 0004

Valid from: 06.04.2018 PDF print date: 17.04.2018 Power Repair 21 + 22 Aktivator

Other organisms:	EC50	14d	>1000	mg/kg dw	Eisenia foetida	OECD 207	
•						(Earthworm,	
						Acute Toxicity	
						Tests)	
Other organisms:	NOEC/NOEL	14d	1000	mg/kg dw	Eisenia foetida	OECD 207	
						(Earthworm,	
						Acute Toxicity	
						Tests)	
Other organisms:	EC50	28d	>1000	mg/kg dw		OECD 216 (Soil	
						Microorganisms -	
						Nitrogen	
						Transformation	
						Test)	
Other organisms:	NOEC/NOEL	28d	1000	mg/kg dw		OECD 216 (Soil	
						Microorganisms -	
						Nitrogen	
						Transformation	
						Test)	
Water solubility:			0,0166	g/l		OECD 105	20°C
						(Water Solubility)	

# **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.

Hardened product:

E.g. dispose at suitable refuse site.

# For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

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

Do not perforate, cut up or weld uncleaned container.

Residues may present a risk of explosion.

# **SECTION 14: Transport information**

#### **General statements**

14.1. UN number: 1133

# Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:

UN 1133 ADHESIVES (SPECIAL PROVISION 640D)

3 14.3. Transport hazard class(es): 14.4. Packing group: Ш Classification code: F1 IO. 5 I

14.5. Environmental hazards: Not applicable

Tunnel restriction code: D/E

Transport by sea (IMDG-code)

14.2. UN proper shipping name:

**ADHESIVES** 

3 14.3. Transport hazard class(es): 14.4. Packing group: Ш EmS: F-E, S-D Marine Pollutant:



Page 16 of 19

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

Revision date / version: 06.04.2018 / 0005

Replacing version dated / version: 06.03.2018 / 0004

Valid from: 06.04.2018 PDF print date: 17.04.2018 Power Repair 21 + 22 Aktivator

14.5. Environmental hazards: Not applicable

Transport by air (IATA)

14.2. UN proper shipping name:

Adhesives

14.3. Transport hazard class(es):

14.4. Packing group:

II

14.5. Environmental hazards: Not applicable

#### 14.6. Special precautions for user

Persons employed in transporting dangerous goods must be trained.

All persons involved in transporting must observe safety regulations.

Precautions must be taken to prevent damage.

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

Freighted as packaged goods rather than in bulk, therefore not applicable.

Minimum amount regulations have not been taken into account.

Danger code and packing code on request.

Comply with special provisions.

# **SECTION 15: Regulatory information**

# 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Observe restrictions:

Comply with trade association/occupational health regulations.

Directive 2012/18/EU ("Seveso III"), Annex I, Part 1 - The following categories apply to this product (others may also need to be

considered according to storage, handling etc.):

Hazard categories	Notes to Annex I	Qualifying quantity (tonnes) of	Qualifying quantity (tonnes) of
		dangerous substances as	dangerous substances as
		referred to in Article 3(10) for	referred to in Article 3(10) for
		the application of - Lower-tier	the application of - Upper-tier
		requirements	requirements
P5c		5000	50000

The Notes to Annex 1 of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, must be taken into account when assigning categories and qualifying quantities.

Directive 2010/75/EU (VOC):

Observe incident regulations.

# 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

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

Revised sections:

1

~ 51 %

Employee training in handling dangerous goods is required.

These details refer to the product as it is delivered.

Employee instruction/training in handling hazardous materials is required.

# Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Flam. Liq. 2, H225	Classification based on test data.
STOT SE 3, H335	Classification according to calculation procedure.
Skin Irrit. 2, H315	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 (specified in Section 2 and 3).

H361f Suspected of damaging fertility.



Page 17 of 19

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

Revision date / version: 06.04.2018 / 0005

Replacing version dated / version: 06.03.2018 / 0004

Valid from: 06.04.2018 PDF print date: 17.04.2018 Power Repair 21 + 22 Aktivator

H225 Highly flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

 $\label{eq:Flam.Liq.} Flam.\ Liq.\ -- Flammable\ liquid STOT\ SE\ -- Specific\ target\ organ\ toxicity\ -- single\ exposure\ -- respiratory\ tract\ irritation$ 

Skin Irrit. — Skin irritation Skin Sens. — Skin sensitization

Aquatic Chronic — Hazardous to the aquatic environment - chronic

Acute Tox. — Acute toxicity - oral

Eye Irrit. — Eye irritation Repr. — Reproductive toxicity

Aquatic Acute — Hazardous to the aquatic environment - acute

# Any abbreviations and acronyms used in this document:

AC **Article Categories** 

according, according to acc., acc. to

ACGIHAmerican Conference of Governmental Industrial Hygienists

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)

AOEL Acceptable Operator Exposure Level

AOX Adsorbable organic halogen compounds

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

Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP) ATE

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

BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)

Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol) BHT BMGV Biological monitoring guidance value (EH40, UK)

BOD Biochemical oxygen demand

BSEF Bromine Science and Environmental Forum

bw body weight

CAS Chemical Abstracts Service

CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids

CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques

CIPAC Collaborative International Pesticides Analytical Council

CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)

CMR carcinogenic, mutagenic, reproductive toxic

COD Chemical oxygen demand

CTFA Cosmetic, Toiletry, and Fragrance Association

DMEL Derived Minimum Effect Level

DNEL Derived No Effect Level

DOC Dissolved organic carbon

DT50 Dwell Time - 50% reduction of start concentration

DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)

dry weight dw

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

EC **European Community** 

ECHA European Chemicals Agency

European Economic Area EEA

EEC **European Economic Community** 

**EINECS** European Inventory of Existing Commercial Chemical Substances

**ELINCS** European List of Notified Chemical Substances

FΝ **European Norms** 

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

· (B) -

Page 18 of 19

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

Revision date / version: 06.04.2018 / 0005

Replacing version dated / version: 06.03.2018 / 0004

Valid from: 06.04.2018 PDF print date: 17.04.2018 Power Repair 21 + 22 Aktivator

ERC Environmental Release Categories

ES Exposure scenario

etc. et cetera

EU European Union

EWC European Waste Catalogue

Fax. Fax number gen. general

GHS Globally Harmonized System of Classification and Labelling of Chemicals

GWP Global warming potential

HET-CAM Hen's Egg Test - Chorionallantoic Membrane

HGWP Halocarbon Global Warming Potential IARC International Agency for Research on Cancer IATA International Air Transport Association

IBC Intermediate Bulk Container

IBC (Code) International Bulk Chemical (Code)

IC Inhibitory concentration

IMDG-code International Maritime Code for Dangerous Goods

incl. including, inclusive

**IUCLIDInternational Uniform Chemical Information Database** 

LC lethal concentration

LC50 lethal concentration 50 percent kill LCLo lowest published lethal concentration

LD Lethal Dose of a chemical LD50 Lethal Dose, 50% kill LDLo Lethal Dose Low

LOAELLowest Observed Adverse Effect Level LOEC Lowest Observed Effect Concentration

LOEL Lowest Observed Effect Level

LQ Limited Quantities

MARPOL International Convention for the Prevention of Marine Pollution from Ships

n.a. not applicable n.av. not available n.c. not checked n.d.a. no data available

NIOSHNational Institute of Occupational Safety and Health (United States of America)

NOAEC No Observed Adverse Effective Concentration

NOAEL No Observed Adverse Effect Level

NOEC No Observed Effect Concentration

NOEL No Observed Effect Level ODP Ozone Depletion Potential

OECD Organisation for Economic Co-operation and Development

org. organic

PAH polycyclic aromatic hydrocarbon PBT persistent, bioaccumulative and toxic

PC Chemical product category

PE Polyethylene

PNEC Predicted No Effect Concentration POCP Photochemical ozone creation potential

ppm parts per million PROC Process category PTFE Polytetrafluorethylene

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)

SADT Self-Accelerating Decomposition Temperature

SAR Structure Activity Relationship

SU Sector of use

SVHC Substances of Very High Concern

Tel. Telephone

ThOD Theoretical oxygen demand

TOC Total organic carbon

TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)

UN RTDG United Nations Recommendations on the Transport of Dangerous Goods

(B)

Page 19 of 19

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

Revision date / version: 06.04.2018 / 0005

Replacing version dated / version: 06.03.2018 / 0004

Valid from: 06.04.2018 PDF print date: 17.04.2018 Power Repair 21 + 22 Aktivator

VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))

VOC Volatile organic compounds

vPvB very persistent and very bioaccumulative

WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).

WHO World Health Organization

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.

These statements were made by:

# Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.