# SAFETY DATA SHEET

Version #: 07

Issue date: 05-28-2019 Revision date: 08-01-2023 Supersedes date: 07-14-2023

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

1.1. Product identifier

Trade name or designation

of the mixture

**DEVCON® Ceramic Repair Putty Hardener** 

Registration number

None. Synonyms SKU# 5333N

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

Identified uses Not available. Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

**ITW Performance Polymers Company Name** 

Bay 150 Address

Shannon Industrial Estate

Co. Clare Ireland V14 DF82

**Contact Person Customer Service Telephone Number** 353(61)771500

353(61)471285

customerservice.shannon@itwpp.com **Fmail** 

**Emergency Phone Number** 44(0) 1235 239 670 (24 hours)

1.4. Emergency telephone number

General in EU 112 (Available 24 hours a day. SDS/Product information may not be available for

the Emergency Service.)

**Austria National Poisons** 

Information Center

+431 406 4343 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

**Belgium National Poisons** 

**Control Center** 

070 245 245 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

**Bulgaria National** 

**Toxicological Information** 

Center

+359 2 9154 233 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

**Croatia Poisons Information Center**  +385 1 2348 342 (Hours of operation not provided. SDS/Product information may

not be available for the Emergency Service.)

**Cyprus Poison Center** 

1401 (Available 24 hours a day. SDS/Product information may not be available

for the Emergency Service.)

**Czech Republic National Poisons Information** 

Center

**Control Center** 

+420 224 919 293, or +420 224 915 402 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

**Denmark National Poisons** 

+45 82 12 12 12 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

**Estonia National Poisons** Information Center

16662 or abroad: (+372) 626 9390 (Monday 9:00AM to Saturday 9:00AM (closed on Sundays and on national holidays). SDS/Product information may not be

available for the Emergency Service.)

**Finland National Poison Information Center** 

(09) 471 977 (direct) or (09) 4711 (exchange) (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

**France National Poisons Control Center** 

ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

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#### 1.4. Emergency telephone number

**Greece Poison Information** Centre

(0030) 2107793777 (Available 24 hours a day. SDS/Product information may not

be available for the Emergency Service.)

**Hungary National Emergency Phone Number**  +36-80-201-199 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

**Iceland Poison Center** 

(+354) 543 2222 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Latvia Emergency medical

aid

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Latvia Poison and Drug Information Center

+371 67042473 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Lithuania Neatidėliotina informacija apsinuodijus

+370 5 236 20 52 or +37068753378 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Malta Accident and **Emergency Department** 

2545 4030 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

**Netherlands National Poisons Information** Center (NVIC)

NVIC: +31 (0)88 755 8000 (Only for the purpose of informing medical personnel

in cases of acute intoxications)

**Norway Norwegian Poison Information Center** 

22 59 13 00 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

800 250 250 (Available 24 hours a day. SDS/Product information may not be **Portugal Poison Center** 

available for the Emergency Service.)

Romania Biroul RSI si Informare Toxicologica 021.318.36.06 (Available 8:00AM-3:00PM. SDS/Product information may not be

available for the Emergency Service.)

**Slovakia National Toxicological Information** Center

+421 2 5477 4166 (Available 24 hours a day. SDS/Product information may not

be available for the Emergency Service.)

**Spain Toxicology Information Service**  + 34 91 562 04 20 (Available 24 hours a day. SDS/Product information may not

be available for the Emergency Service.)

**Sweden National Poison Information Center** 

112 - and ask for Poison Information (Available 24 hours a day. SDS/Product

information may not be available for the Emergency Service.)

**Switzerland Tox Info** Suisse

145 (Available 24 hours a day. SDS/Product information may not be available for

the Emergency Service.)

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

### 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

### Classification according to Regulation (EC) No 1272/2008 as amended

#### **Health hazards**

Acute toxicity, oral	Category 4	H302 - Harmful if swallowed.
Acute toxicity, dermal	Category 4	H312 - Harmful in contact with skin.
Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
Serious eye damage/eye irritation	Category 1	H318 - Causes serious eye damage.

Skin sensitization Category 1

H317 - May cause an allergic skin

reaction.

Germ cell mutagenicity Category 2 H341 - Suspected of causing

genetic defects.

Specific target organ toxicity - repeated Category 2 H373 - May cause damage to

organs through prolonged or

repeated exposure.

**Environmental hazards** 

exposure

Hazardous to the aquatic environment, Category 3 H412 - Harmful to aquatic life with

long lasting effects. long-term aquatic hazard

### 2.2. Label elements

Material name: DEVCON® Ceramic Repair Putty Hardener

SDS FII

### Label according to Regulation (EC) No. 1272/2008 as amended

Austria: 9470-V03F-Y00U-Q3G1 Belgium: 9470-V03F-Y00U-Q3G1 Bulgaria: 9470-V03F-Y00U-Q3G1 Croatia: 9470-V03F-Y00U-Q3G1 Cyprus: 9470-V03F-Y00U-Q3G1

Czech Republic: 9470-V03F-Y00U-Q3G1 Denmark: 9470-V03F-Y00U-Q3G1 Estonia: 9470-V03F-Y00U-Q3G1 EU: 9470-V03F-Y00U-Q3G1 Finland: 9470-V03F-Y00U-Q3G1 France: 9470-V03F-Y00U-Q3G1 Germany: 9470-V03F-Y00U-Q3G1 Greece: 9470-V03F-Y00U-Q3G1 Hungary: 9470-V03F-Y00U-Q3G1 Iceland: 9470-V03F-Y00U-Q3G1 Ireland: 9470-V03F-Y00U-Q3G1 Italy: 9470-V03F-Y00U-Q3G1 Latvia: 9470-V03F-Y00U-Q3G1 Lithuania: 9470-V03F-Y00U-Q3G1

Luxembourg: 9470-V03F-Y00U-Q3G1 Malta: 9470-V03F-Y00U-Q3G1 Netherlands: 9470-V03F-Y00U-Q3G1 Norway: 9470-V03F-Y00U-Q3G1 Poland: 9470-V03F-Y00U-Q3G1 Portugal: 9470-V03F-Y00U-Q3G1 Romania: 9470-V03F-Y00U-Q3G1 Slovakia: 9470-V03F-Y00U-Q3G1 Slovenia: 9470-V03F-Y00U-Q3G1 Spain: 9470-V03F-Y00U-Q3G1

3,6-diazaoctanethylenediamin: triethylenetetramine, benzyl alcohol, Formaldehyde, Oligomeric

Reaction Products With Phenol And Triethylenetetramine, phenol; carbolic acid;

monohydroxybenzene; phenylalcohol

Sweden: 9470-V03F-Y00U-Q3G1

#### **Hazard pictograms**

Contains:







#### Signal word Danger

### **Hazard statements**

Harmful if swallowed. H302 Harmful in contact with skin. H312 Causes skin irritation. H315

May cause an allergic skin reaction. H317 Causes serious eye damage. H318 Suspected of causing genetic defects. H341

May cause damage to organs through prolonged or repeated exposure. H373

Harmful to aquatic life with long lasting effects. H412

### **Precautionary statements**

#### Prevention

Obtain special instructions before use. P201

Do not handle until all safety precautions have been read and understood. P202

Do not breathe mist/vapors. P260 Wash thoroughly after handling. P264

Do not eat, drink or smoke when using this product. P270

Contaminated work clothing should not be allowed out of the workplace. P272

Avoid release to the environment. P273

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

### Response

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P301 + P312

Rinse mouth. P330

IF ON SKIN: Wash with plenty of water. P302 + P352

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present P305 + P351 + P338

and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.

If skin irritation or rash occurs: Get medical advice/attention. P333 + P313 Take off contaminated clothing and wash it before reuse. P362 + P364

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information None

2.3. Other hazards This mixture does not contain substances assessed to be vPvB / PBT according to Regulation

(EC) No 1907/2006, Annex XIII. The mixture does not contain any substances included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties at a

concentration equal to or greater than 0.1% by weight.

## **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

#### **General information**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Formaldehyde, Oligomeric Reaction Products With Phenol And Triethylenetetramine	50 - < 60	32610-77-8 500-083-8	-	-	
Classification	: -				
3,6-diazaoctanethylenediamin; triethylenetetramine	10 - < 20	112-24-3 203-950-6	01-2119487919-13-0000	612-059-00-5	
Classification	mg/kg bw)		mg/kg bw), Acute Tox. 4;H31 , Eye Dam. 1;H318, Skin Sen		
phenol; carbolic acid; monohydroxybenzene; phenylalcohol	10 - < 20	108-95-2 203-632-7	-	604-001-00-2	#
Classification Specific Concentration Limits	mg/kg bw), Dam. 1;H3 : Skin Corr.	Acute Tox. 3;H331; 18, Muta. 2;H341, S		3;H314, Eye onic 2;H411	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm]	3 - < 5	13463-67-7 236-675-5	01-2119489379-17-0000	022-006-002	
Classification	: Carc. 2;H3	51			
benzyl alcohol	1 - < 3	100-51-6 202-859-9	- 1	603-057-00-5	
Classification			ng/kg bw), Acute Tox. 4;H312 (ATE: 11 mg/l), Aquatic Chror		
Other components below reportable	10 - < 20				

### List of abbreviations and symbols that may be used above

ATE: Acute toxicity estimate.

M: M-factor

levels

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

#: This substance has been assigned Union workplace exposure limit(s).

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments The full text for all H-statements is displayed in section 16.

### **SECTION 4: First aid measures**

General information IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice

(show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Week contaminated elething before rough.

attendance. Wash contaminated clothing before reuse.

4.1. Description of first aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact** Remove contaminated clothing immediately and wash skin with soap and water. Get medical

advice/attention if you feel unwell. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Get medical attention immediately.

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#### Ingestion

Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects.

4.3. Indication of any immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

### **SECTION 5: Firefighting measures**

General fire hazards

No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing media

Alcohol resistant foam. Powder. Carbon dioxide (CO2).

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures

Move containers from fire area if you can do so without risk.

Use standard firefighting procedures and consider the hazards of other involved materials. Specific methods

### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material.

For emergency responders

Keep unnecessary personnel away. Ensure adequate ventilation. Avoid breathing mist/vapors. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

### **SECTION 7: Handling and storage**

7.1. Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist/vapors. Do not get this material in contact with eyes. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s) Observe industrial sector guidance on best practices.

### SECTION 8: Exposure controls/personal protection

# 8.1. Control parameters

### Occupational exposure limits

Austria	MAK Liet	OFI	Ordinance	(GwV)	RGRI II	no	184/2001	as amended
Ausilia.	IVIAN LISL	UEL	Orumanice	IGWV).	. DGDI. II.	HO.	104/2001.	as amenueu

Components	Type	Value	Form
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	MAK	8 mg/m3	
		2 ppm	
	STEL	6 mg/m3	
		4 ppm	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	MAK	5 mg/m3	Respirable dust.
	STEL	10 mg/m3	Respirable dust.

# Belgium. OEL. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1 - Chemical agents, as amended

Components	Туре	Value	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	STEL	16 mg/m3	
		4 ppm	
	TWA	8 mg/m3	
		2 ppm	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TWA	10 mg/m3	

# Bulgaria. OELs. Ordinance No 13 on protection of workers against risks of exposure to chemical agents at work, as amended

Components	Type	Value	Form
benzyl alcohol (CAS 100-51-6)	TWA	5 mg/m3	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	STEL	16 mg/m3	
		4 ppm	
	TWA	8 mg/m3	
		2 ppm	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TWA	10 mg/m3	Respirable dust.

# Croatia. OELs (GVI). Regulation on Protection of Workers against Exposure to Dangerous Chemicals at Work, OELs and Biological Limit Values, Annex I (NN 91/2018), as amended

Components	Туре	Value	Form	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	MAC	8 mg/m3		
		2 ppm		
	STEL	6 mg/m3		
		4 ppm		

# Croatia. OELs (GVI). Regulation on Protection of Workers against Exposure to Dangerous Chemicals at Work, OELs and Biological Limit Values, Annex I (NN 91/2018), as amended

Components	Туре	Value	Form
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	MAC	4 mg/m3	Respirable dust.
		10 mg/m3	Total dust.

# Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended Components Type Value

10 mg/m3

**TWA** 

titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)

# Cyprus. OELs. Occupational Exposure Limit Values of Chemicals at Work (Safety and Health at Work (Chem. Agents) Reg., Ann. 1, R.A.A. 268/2001, as amended)

Components	Туре	Value	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	STEL	16 mg/m3	
		4 ppm	
	TWA	8 mg/m3	
		2 ppm	

# Czech Republic. Occupational exposure limit values of chemicals at work (Decree on protection of health at work, 361/2007, Annex 2, Part A & Annex 3, Part A, as amended)

Components	Туре	Value	
benzyl alcohol (CAS 100-51-6)	Ceiling	80 mg/m3	
	TWA	40 mg/m3	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	Ceiling	15 mg/m3	
,	TWA	7,5 mg/m3	

# Denmark. Work Environment Authority. Exposure Limits for Substances & Materials, Annex 2 Components Value

Components	Type	Value
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	TLV	4 mg/m3
		1 ppm
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TLV	6 mg/m3

# Estonia. OELs. Occupational Exposure Limits of Hazardous Substances (Regulation No. 105/2001, Annex), as amended

Components	Туре	Value	
3,6-diazaoctanethylenedia min; triethylenetetramine (CAS 112-24-3)	STEL	12 mg/m3	
	TWA	6 mg/m3	
		1 ppm	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	STEL	16 mg/m3	
		4 ppm	

Components	onal Exposure Limits of Hazardous Sul Type	Value	- ,,
	TWA	8 mg/m3	
		2 ppm	
titanium dioxide [in powdei	TWA	5 mg/m3	
form containing 1 % or more of particles with aerodynamic diameter ≤ 1 µm] (CAS 13463-67-7)		Ü	
Finland. HTP-arvot, App Components	3., Binding Limit Values, Social Affairs Type	and Ministry of Health Value Fo	rm
benzyl alcohol (CAS 100-51-6)	TWA	45 mg/m3	
		10 ppm	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	STEL	16 mg/m3	
		4 ppm	
	TWA	8 mg/m3	
		2 ppm	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 1 µm] (CAS 13463-67-7)		10 mg/m3 Du	st.
France. OELs. Occupation Components	onal Exposure Limits as Prescribed by Type	Art. R.4412-149 of Labor Code, as an Value	nended
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	VLE	15,6 mg/m3	
100 00 2)		4 ppm	
	VME	7,8 mg/m3	
		2 ppm	
France. Threshold Limit	Values (VLEP) for Occupational Expos Type		984
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	VLE	15,6 mg/m3	
Regulatory status:	Regulatory binding (VRC)		
		4 ppm	
Regulatory status:	Regulatory binding (VRC)		
	VME	7,8 mg/m3	
	Regulatory binding (VRC)	2 ppm	
Regulatory status:			
Regulatory status:  Regulatory status:	Regulatory binding (VRC)		
Regulatory status: titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 1	· VME	10 mg/m3	
Regulatory status: titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 1	· VME	10 mg/m3	
Regulatory status: titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7) Regulatory status:	VME  Indicative limit (VL)  (advisory OELs). Commission for the I		-

Components	Туре	Value	Form
benzyl alcohol (CAS 100-51-6)	TWA	22 mg/m3	Vapor and aerosol.
		5 ppm	Vapor and aerosol.

in the Work Area (DFG), as update Components	Туре	Value	Form
itanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 um] (CAS 13463-67-7)	TWA	0,3 mg/m3	Respirable fraction.
Germany. TRGS 900, Limit Values Components	in the Ambient Air at the Wor Type	kplace Value	Form
benzyl alcohol (CAS 100-51-6)	AGW	22 mg/m3	Vapor and aerosol.
		5 ppm	Vapor and aerosol.
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	AGW	8 mg/m3	Vapor and aerosol.
		2 ppm	Vapor and aerosol.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 um] (CAS 13463-67-7)	AGW	10 mg/m3	Inhalable fraction.
		1,25 mg/m3	Respirable fraction.
Greece. OELs, Presidential Decree Components	No. 307/1986, as amended Type	Value	Form
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	STEL	16 mg/m3	
		4 ppm	
	TWA	8 mg/m3	
itani, madiavida financi, dan	TIA/A	2 ppm	Dagwiyahla
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 um] (CAS 13463-67-7)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Inhalable
Hungary. OELs. Decree on protect Components	ion of workers exposed to ch Type	emical agents (5/2020. (II.6)), Value	Annex 1&2, as amended
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	STEL	16 mg/m3	
	TWA	8 mg/m3	
celand. OELs. Regulation 390/200 Components	9 on Pollution Limits and Mea Type	sures to Reduce Pollution at Value	the Workplace, as amended
3,6-diazaoctanethylenedia nin; triethylenetetramine (CAS 112-24-3)	TWA	6 mg/m3	
		1 ppm	
titanium dioxide [in powder form containing 1 % or more of particles with	TWA	6 mg/m3	

Components	Туре		
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS	STEL	16 mg/m3	
108-95-2)			
		4 ppm	
	TWA	8 mg/m3	
		2 ppm	
citanium dioxide [in powder form containing 1 % or more of particles with	TWA	4 mg/m3	Respirable dust.
aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)			
,		10 mg/m3	Total inhalable dust.
Italy. OELs (Legislative Decree n.8	31. 9 April 2008), as amended		
Components	Туре	Value	Form
ohenol; carbolic acid; monohydroxybenzene; ohenylalcohol (CAS	STEL	16 mg/m3	
108-95-2)			
		4 ppm	
	TWA	8 mg/m3	
		2 ppm	
titanium dioxide [in powder form containing 1 % or more of particles with	TWA	2,5 mg/m3	Respirable finescale particles
aerodynamic diameter ≤ 10			
		0,2 mg/m3	Respirable nanoscale particles
aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7) Latvia. OELs. Occupational Expos	ure Limits of Chemical Subst	-	particles
aerodynamic diameter ≤ 10 um] (CAS 13463-67-7) Latvia. OELs. Occupational Expos 1), as amended	ure Limits of Chemical Subst	-	particles
aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  Latvia. OELs. Occupational Expos 1), as amended Components  benzyl alcohol (CAS 100-51-6)	<b>Type</b> TWA	value 5 mg/m3	particles
aerodynamic diameter ≤ 10  um] (CAS 13463-67-7)  Latvia. OELs. Occupational Expos 1), as amended Components  Denzyl alcohol (CAS 100-51-6) Dhenol; carbolic acid; monohydroxybenzene; Dhenylalcohol (CAS	Туре	ances at Workplace (Reg. No Value	particles
aerodynamic diameter ≤ 10  um] (CAS 13463-67-7)  Latvia. OELs. Occupational Expos 1), as amended Components  Denzyl alcohol (CAS 100-51-6) Dhenol; carbolic acid; monohydroxybenzene; Dhenylalcohol (CAS	<b>Type</b> TWA	value 5 mg/m3	particles
aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	<b>Type</b> TWA	value  5 mg/m3  16 mg/m3	particles
aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  Latvia. OELs. Occupational Expos 1), as amended Components  benzyl alcohol (CAS 100-51-6) phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS	Type TWA STEL	value 5 mg/m3 16 mg/m3 4 ppm	particles
aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  Latvia. OELs. Occupational Expos 1), as amended Components  benzyl alcohol (CAS 100-51-6) phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS	Type TWA STEL	Value 5 mg/m3 16 mg/m3 4 ppm 8 mg/m3	particles
aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  Latvia. OELs. Occupational Expos 1), as amended Components  benzyl alcohol (CAS 100-51-6) phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)  Litanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10	Type TWA STEL TWA TWA	Value 5 mg/m3 16 mg/m3 4 ppm 8 mg/m3 2 ppm 10 mg/m3	particles . 325/ 2007, L.V. 80, Annex
aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  Latvia. OELs. Occupational Expos 1), as amended Components  benzyl alcohol (CAS 100-51-6) phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)  titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  Lithuania. OELs. Occupational Exp V-824/A1-389), as amended	Type TWA STEL  TWA TWA TWA	sances at Workplace (Reg. No Value 5 mg/m3 16 mg/m3 4 ppm 8 mg/m3 2 ppm 10 mg/m3	particles . 325/ 2007, L.V. 80, Annex
aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  Latvia. OELs. Occupational Expos 1), as amended Components  benzyl alcohol (CAS 100-51-6) phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)  Littanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  Lithuania. OELs. Occupational Exp V-824/A1-389), as amended Components	Type TWA STEL  TWA TWA TWA TWA TOTAL	Value 5 mg/m3 16 mg/m3 4 ppm 8 mg/m3 2 ppm 10 mg/m3	particles . 325/ 2007, L.V. 80, Annex
aerodynamic diameter ≤ 10  Jum] (CAS 13463-67-7)  Latvia. OELs. Occupational Expos 1), as amended Components  Denzyl alcohol (CAS 100-51-6) Dehenol; carbolic acid; monohydroxybenzene; Dehenylalcohol (CAS 108-95-2)  Littanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10  Jum] (CAS 13463-67-7)  Lithuania. OELs. Occupational Exposed Littuania. OELs. Occupational Exp	Type TWA STEL  TWA TWA TWA	ances at Workplace (Reg. No Value 5 mg/m3 16 mg/m3 4 ppm 8 mg/m3 2 ppm 10 mg/m3  inical Substances (Hygiene No Value 12 mg/m3	particles . 325/ 2007, L.V. 80, Annex
aerodynamic diameter ≤ 10  Jum] (CAS 13463-67-7)  Latvia. OELs. Occupational Expos 1), as amended Components  Denzyl alcohol (CAS 100-51-6) Dehenol; carbolic acid; monohydroxybenzene; Dehenylalcohol (CAS 108-95-2)  Littanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10  Jum] (CAS 13463-67-7)  Lithuania. OELs. Occupational Exposed Littuania. OELs. Occupational Exp	Type TWA STEL  TWA TWA  TWA  posure Limit Values for Chem Type  STEL	ances at Workplace (Reg. No Value 5 mg/m3 16 mg/m3 4 ppm 8 mg/m3 2 ppm 10 mg/m3  itical Substances (Hygiene No Value 12 mg/m3 2 ppm	particles . 325/ 2007, L.V. 80, Annex
aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  Latvia. OELs. Occupational Expos 1), as amended Components  benzyl alcohol (CAS 100-51-6) phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)  titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  Lithuania. OELs. Occupational Exp V-824/A1-389), as amended	Type TWA STEL  TWA TWA TWA TWA TOTAL	ances at Workplace (Reg. No Value 5 mg/m3 16 mg/m3 4 ppm 8 mg/m3 2 ppm 10 mg/m3  inical Substances (Hygiene No Value 12 mg/m3	particles . 325/ 2007, L.V. 80, Annex
aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  Latvia. OELs. Occupational Expos 1), as amended Components  benzyl alcohol (CAS 100-51-6) phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)  Littanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  Lithuania. OELs. Occupational Exp V-824/A1-389), as amended Components 3,6-diazaoctanethylenedia min; triethylenetetramine	Type TWA STEL  TWA TWA  TWA  posure Limit Values for Chem Type  STEL	ances at Workplace (Reg. No Value 5 mg/m3 16 mg/m3 4 ppm 8 mg/m3 2 ppm 10 mg/m3  itical Substances (Hygiene No Value 12 mg/m3 2 ppm	particles . 325/ 2007, L.V. 80, Annex

# Lithuania. OELs. Occupational Exposure Limit Values for Chemical Substances (Hygiene Norm HN 23:2011; Order No. V-824/A1-389), as amended

Components	Type	Value	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	STEL	16 mg/m3	
		4 ppm	
	TWA	8 mg/m3	
		2 ppm	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TWA	5 mg/m3	

# Luxembourg. OELs. Binding Occupational Exposure Limit Values (Annex I), G.D.R. of 14 November 2016, OJ Memorial A, n $^{\circ}$ 235/2016, as amended

Components	Type	Value	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	STEL	16 mg/m3	
,		4 ppm	
	TWA	8 mg/m3	
		2 ppm	

# Malta. OELs. Protection of Health and Safety of Workers from Risks related to Chemical Agents at Work (L.N 227/2003 Schedules I and V), as amended

Components	Туре	Value	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	STEL	16 mg/m3	
		4 ppm	
	TWA	8 mg/m3	
		2 ppm	

# Netherlands. OELs per Annex XIII of Working Conditions Regulation (Staatscourant no. 252, 29 December 2006), as amended

Components	Туре	Value	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	TWA	8 mg/m3	

# Norway. Regulation No. 1358 on Measures and Limit Values for Physical and Chemical Factors in Work Environment and Infection Groups for Biological Factors, as amended

Components	Туре	Value	
3,6-diazaoctanethylenedia min; triethylenetetramine (CAS 112-24-3)	TLV	6 mg/m3	
		1 ppm	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	STEL	12 mg/m3	
		3 ppm	
	TLV	4 mg/m3	
		1 ppm	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TLV	5 mg/m3	

# Poland. Maximum permissible concentrations and intensities of harmful factors in the work environment (Dz.U.Poz. 1286/2018, Annex 1)

Components	Туре	Value	Form
3,6-diazaoctanethylenedia min; triethylenetetramine (CAS 112-24-3)	STEL	3 mg/m3	
,	TWA	1 mg/m3	
benzyl alcohol (CAS 100-51-6)	TWA	240 mg/m3	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	STEL	16 mg/m3	
	TWA	7,8 mg/m3	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	STEL	30 mg/m3	
	TWA	10 mg/m3	Inhalable fraction.
Portugal. Decree-Law No. 24/2012			ed
Components	Туре	Value	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	STEL	16 mg/m3	
		4 ppm	
	TWA	8 mg/m3	
		2 ppm	
Portugal. VLEs. Norm on occupati Components	onal exposure to chemical aq Type	gents (NP 1796-2014) Value	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	TWA	5 ppm	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TWA	10 mg/m3	
Romania. OELs. Limit Values of C amended)	hemical Agents at Workplace	(Regulation 1.218/2006, M.O	845, Annex 1, 3&4, as
Components	Туре	Value	
3,6-diazaoctanethylenedia min; triethylenetetramine (CAS 112-24-3)	STEL	20 mg/m3	
		3,3 ppm	
	TWA	10 mg/m3	
		1,7 ppm	
phenol; carbolic acid;	STEL	16 mg/m3	

4 ppm

8 mg/m3 2 ppm

15 mg/m3

10 mg/m3

monohydroxybenzene; phenylalcohol (CAS

titanium dioxide [in powder

form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)

108-95-2)

TWA

STEL

**TWA** 

# Slovakia. OELs. Maximum permissible exposure limits for chemical factors in workplace air (Regulation No 355/2006, Annex 1, Table 1, as amended)

Components	Туре	Value	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	STEL	16 mg/m3	
		4 ppm	
	TWA	8 mg/m3	
		2 ppm	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TWA	5 mg/m3	

# Slovenia. OELs. Occupational Exposure Limits of Chemicals at Workplace (Reg. on Protection of Workers from Risks due to Exp. to Chemicals at Work, Annex I), as amended

Components	Туре	Value	Form
benzyl alcohol (CAS 100-51-6)	TWA	22 mg/m3	
		5 ppm	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	TWA	8 mg/m3	
		2 ppm	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TWA	10 mg/m3	Inhalable fraction.
		1,25 mg/m3	Respirable fraction.

# Spain. OELs. INSST, Límites de Exposición Profesional Para Agentes Químicos, Table 1-Valores Límites Ambientales (VLAs)

Components	Туре	Value	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	STEL	16 mg/m3	
		4 ppm	
	TWA	8 mg/m3	
		2 ppm	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TWA	10 mg/m3	

# Sweden. OELs (Annex 1). Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2018:1), as amended

Components	Туре	Value	Form
3,6-diazaoctanethylenedia min; triethylenetetramine (CAS 112-24-3)	STEL	12 mg/m3	
		2 ppm	
	TWA	6 mg/m3	
		1 ppm	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	Ceiling	16 mg/m3	
		4 ppm	

# Sweden. OELs (Annex 1). Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2018:1), as amended

Components	Туре	Value	Form
	TWA	4 mg/m3	
		1 ppm	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TWA	5 mg/m3	Total dust.
Switzerland. SUVA Grenzwerte ar			Form
Components	Туре	Value	
penzyl alcohol (CAS 100-51-6)	TWA	22 mg/m3	Vapor and aerosol.
		5 ppm	Vapor and aerosol.
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	STEL	19 mg/m3	Vapor and aerosol.
		5 ppm	Vapor and aerosol.
	TWA	19 mg/m3	Vapor and aerosol.
		5 ppm	Vapor and aerosol.
titanium dioxide [in powder form containing 1 % or	TWA	3 mg/m3	Respirable dust.
more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7) UK. OELs. Workplace Exposure Ι	Limits (WELs) (EH40/2005 (Fou	ırth Edition 2020)), Table 1	
aerodynamic diameter ≤ 10	Limits (WELs) (EH40/2005 (Fou Type	ırth Edition 2020)), Table 1 Value	Form
aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7) UK. OELs. Workplace Exposure I			Form
aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7) <b>UK. OELs. Workplace Exposure L Components</b> phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS	Туре	Value	Form
aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7) <b>UK. OELs. Workplace Exposure L Components</b> phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS	Туре	Value 16 mg/m3	Form
aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7) <b>UK. OELs. Workplace Exposure L Components</b> phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS	Type STEL	Value 16 mg/m3 4 ppm	Form
aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7) <b>UK. OELs. Workplace Exposure L Components</b> phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS	Type STEL	Value 16 mg/m3 4 ppm 7,8 mg/m3	Form Respirable.
aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  UK. OELs. Workplace Exposure L  Components  phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)  titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10	Type STEL TWA	Value 16 mg/m3 4 ppm 7,8 mg/m3 2 ppm	
aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  UK. OELs. Workplace Exposure L  Components  phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)  titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10	Type STEL  TWA TWA	Value  16 mg/m3  4 ppm 7,8 mg/m3 2 ppm 4 mg/m3	Respirable.
aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  UK. OELs. Workplace Exposure L  Components  phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)  titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)	Type STEL  TWA TWA	Value  16 mg/m3  4 ppm 7,8 mg/m3 2 ppm 4 mg/m3	Respirable.
aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  UK. OELs. Workplace Exposure L  Components  phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)  titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  EU. Indicative Exposure Limit Val	Type STEL  TWA TWA  TWA  Iues in Directives 91/322/EEC,	Value  16 mg/m3  4 ppm 7,8 mg/m3 2 ppm 4 mg/m3  10 mg/m3  2000/39/EC, 2006/15/EC, 2009	Respirable.
aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  UK. OELs. Workplace Exposure L  Components  phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)  titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  EU. Indicative Exposure Limit Val  Components  phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS	Type  STEL  TWA  TWA  TWA  Jues in Directives 91/322/EEC, Type	Value  16 mg/m3  4 ppm 7,8 mg/m3 2 ppm 4 mg/m3  10 mg/m3  2000/39/EC, 2006/15/EC, 2009 Value	Respirable.
aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  UK. OELs. Workplace Exposure L  Components  phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)  titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10  µm] (CAS 13463-67-7)  EU. Indicative Exposure Limit Val  Components  phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS	Type  STEL  TWA  TWA  TWA  Jues in Directives 91/322/EEC, Type	Value  16 mg/m3  4 ppm 7,8 mg/m3 2 ppm 4 mg/m3  10 mg/m3  2000/39/EC, 2006/15/EC, 2009 Value  16 mg/m3	Respirable.

### **Biological limit values**

Croatia. BELs (BGV). Regulation on Protection of Workers against Exposure to Dangerous Chemicals at Work, OELs and BELs. Annex IV (NN 91/2018). as amended

Components	Value	Determinant	Specimen	Sampling Time	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	120 mg/g	phenol	Creatinine in urine	*	

# Croatia. BELs (BGV). Regulation on Protection of Workers against Exposure to Dangerous Chemicals at Work, OELs and BELs. Annex IV (NN 91/2018). as amended

Components	Value	Determinant	Specimen	Sampling Time	
	0,14 mol/mol	phenol	Creatinine in urine	*	

<sup>\* -</sup> For sampling details, please see the source document.

### Czech Republic. BELs. Government Decree 432/2003 Sb., as amended

Components	Value	Determinant	Specimen	Sampling Time
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	360 µmol/mmol	phenol	Creatinine in urine	*
	300 mg/g	phenol	Creatinine in urine	*

<sup>\* -</sup> For sampling details, please see the source document.

## Finland. HTP-arvot, App 2., Biological Limit Values, Social Affairs and Ministry of Health

Components	Value	Determinant	Specimen	Sampling Time	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	1,3 mmol/l	Total phenol	Urine	*	

<sup>\* -</sup> For sampling details, please see the source document.

# France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS), ND 2065)

Components	Value	Determinant	Specimen	Sampling Time	,
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	250 mg/g	Phènol total	Creatinine in urine	*	

<sup>\* -</sup> For sampling details, please see the source document.

### Germany. TRGS 903, BAT List (Biological Limit Values)

Components	Value	Determinant	Specimen	Sampling Time	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	120 mg/g	Phenol (nach Hydrolyse)	Creatinine in urine	*	

<sup>\* -</sup> For sampling details, please see the source document.

# Hungary. BELs. Decree on protection of workers exposed to chemical agents (5/2020. (II.6)), Annex 3&4, as amended Components Value Determinant Specimen Sampling Time Phenol; carbolic acid; 144 µmol/mmol Phenol Creatinine in \*

phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)

120 mg/g phenol

Creatinine in

urine

urine

# Slovakia. BLVs (Biological Limit Value). Regulation no. 355/2006 concerning protection of workers exposed to chemical agents, Annex 2

Components	Value	Determinant	Specimen	Sampling Time	
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	133,7 mg/g	phenol	Creatinine in urine	*	
	200 mg/l	phenol	Urine	*	

<sup>\* -</sup> For sampling details, please see the source document.

# Spain. BELs. INSST, Límites de Exposición Profesional Para Agentes Químicos, Table 3-Valores Límite Biológicos (VLB) Components Value Determinant Specimen Sampling Time

phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2) 120 mg/g

Fenol, con hidrólisis

Creatinine in urine

\* - For sampling details, please see the source document.

<sup>\* -</sup> For sampling details, please see the source document.

Components	Value	Determinant	Specimen	Sampling Time
phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)	250 mg/g	Phenol	Creatinine in urine	*
* - For sampling details, pl	lease see the sourc	e document.		
ommended monitoring	Follow standa	rd monitoring procedure	S.	

procedures

Derived no effect levels

(DNELs)

Not available.

Predicted no effect concentrations (PNECs) Not available.

Exposure guidelines

Austria MAK: Skin designation

phenol; carbolic acid; monohydroxybenzene;

phenylalcohol (CAS 108-95-2)

Can be absorbed through the skin.

Belgium OELs: Skin designation

phenol; carbolic acid; monohydroxybenzene;

phenylalcohol (CAS 108-95-2) **Bulgaria OELs: Skin designation**  Can be absorbed through the skin.

phenol; carbolic acid; monohydroxybenzene;

phenylalcohol (CAS 108-95-2)

Czech Republic PELs: Skin designation

phenol; carbolic acid; monohydroxybenzene;

phenylalcohol (CAS 108-95-2)

**Denmark GV: Skin designation** 

phenol; carbolic acid; monohydroxybenzene; Can be absorbed through the skin.

phenylalcohol (CAS 108-95-2) Estonia OELs: Skin designation

phenol; carbolic acid; monohydroxybenzene;

phenylalcohol (CAS 108-95-2)

Can be absorbed through the skin.

**EU Exposure Limit Values: Skin designation** 

phenol; carbolic acid; monohydroxybenzene;

phenol; carbolic acid; monohydroxybenzene;

phenylalcohol (CAS 108-95-2)

Finland Exposure Limit Values: Skin designation

phenylalcohol (CAS 108-95-2)

France INRS: Skin designation

phenol; carbolic acid; monohydroxybenzene; Can be absorbed through the skin.

phenylalcohol (CAS 108-95-2)

France Mandatory OELs (VLEP): Skin designation

phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)

Germany DFG MAK (advisory): Skin designation

benzyl alcohol (CAS 100-51-6)

phenol; carbolic acid; monohydroxybenzene;

phenylalcohol (CAS 108-95-2)

Germany TRGS 900 Limit Values: Skin designation

benzyl alcohol (CAS 100-51-6)

phenol; carbolic acid; monohydroxybenzene;

phenylalcohol (CAS 108-95-2)

Can be absorbed through the skin. Can be absorbed through the skin.

**Greece OEL: Skin designation** 

phenol; carbolic acid; monohydroxybenzene;

phenylalcohol (CAS 108-95-2)

Can be absorbed through the skin.

**Hungary OELs: Skin designation** 

phenol; carbolic acid; monohydroxybenzene;

phenylalcohol (CAS 108-95-2)

Can be absorbed through the skin.

Ireland Exposure Limit Values: Skin designation

phenol; carbolic acid; monohydroxybenzene;

Can be absorbed through the skin. phenylalcohol (CAS 108-95-2)

Italy OELs: Skin designation

phenol; carbolic acid; monohydroxybenzene; Danger of cutaneous absorption

phenylalcohol (CAS 108-95-2)

Latvia OELs: Skin designation

phenol; carbolic acid; monohydroxybenzene; Can be absorbed through the skin.

phenylalcohol (CAS 108-95-2)

Lithuania OELs: Skin designation

benzyl alcohol (CAS 100-51-6) Can be absorbed through the skin. phenol; carbolic acid; monohydroxybenzene; Can be absorbed through the skin.

phenylalcohol (CAS 108-95-2) Luxembourg OELs: Skin designation

> Can be absorbed through the skin. phenol; carbolic acid; monohydroxybenzene;

phenylalcohol (CAS 108-95-2) Malta OELs: Skin designation

> phenol; carbolic acid; monohydroxybenzene; Can be absorbed through the skin.

phenylalcohol (CAS 108-95-2)

Netherlands OELs (binding): Skin designation

phenol; carbolic acid; monohydroxybenzene; Can be absorbed through the skin.

phenylalcohol (CAS 108-95-2)

Norway Exposure Limit Values: Skin designation

phenol; carbolic acid; monohydroxybenzene; Can be absorbed through the skin.

phenylalcohol (CAS 108-95-2) Portugal OELs: Skin designation

> phenol; carbolic acid; monohydroxybenzene; Can be absorbed through the skin.

phenylalcohol (CAS 108-95-2)

Portugal VLEs Norm on Occupational Exposure: Skin designation

phenol; carbolic acid; monohydroxybenzene; Can be absorbed through the skin.

phenylalcohol (CAS 108-95-2)

Romania OELs: Skin designation

phenol; carbolic acid; monohydroxybenzene; Can be absorbed through the skin.

phenylalcohol (CAS 108-95-2) Slovakia OELs: Skin designation

> phenol; carbolic acid; monohydroxybenzene; Can be absorbed through the skin.

phenylalcohol (CAS 108-95-2)

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

benzyl alcohol (CAS 100-51-6) Can be absorbed through the skin. phenol; carbolic acid; monohydroxybenzene; Can be absorbed through the skin.

phenylalcohol (CAS 108-95-2) Spain OELs: Skin designation

> phenol; carbolic acid; monohydroxybenzene; Can be absorbed through the skin.

phenylalcohol (CAS 108-95-2)

Sweden Threshold Limit Values: Skin designation

phenol; carbolic acid; monohydroxybenzene; Can be absorbed through the skin.

phenylalcohol (CAS 108-95-2)

Switzerland SUVA Limit Values at the Workplace: Skin designation

benzyl alcohol (CAS 100-51-6) Can be absorbed through the skin. phenol; carbolic acid; monohydroxybenzene; Can be absorbed through the skin.

phenylalcohol (CAS 108-95-2) **UK EH40 WEL: Skin designation** 

> phenol; carbolic acid; monohydroxybenzene; Can be absorbed through the skin.

phenylalcohol (CAS 108-95-2)

8.2. Exposure controls

Appropriate engineering

controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety

shower.

Individual protection measures, such as personal protective equipment

**General information** Use personal protective equipment as required. Personal protection equipment should be chosen

according to the CEN standards and in discussion with the supplier of the personal protective

equipment.

Eye/face protection Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection

- Hand protection Wear appropriate chemical resistant gloves.

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. - Other

Chemical respirator with organic vapor cartridge and full facepiece. Respiratory protection

Material name: DEVCON® Ceramic Repair Putty Hardener

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

Hygiene measures

Observe any medical surveillance requirements. Keep away from food and drink. Always observe

good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

**Environmental exposure** 

controls

Inform appropriate managerial or supervisory personnel of all environmental releases. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable

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

9.1. Information on basic physical and chemical properties

Physical stateLiquid.FormPaste.ColorWhite.

Odor Mild. Phenolic.

Melting point/freezing point Boiling point or initial boiling point and boiling range 53,6 °F (12 °C) estimated 510,8 °F (266 °C) estimated

Flammability Not applicable.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) 3 % estimated
Explosive limit - upper (%) 10 % estimated
Flash point >199,9 °F (>93,3 °C)

Auto-ignition temperature 640 °F (337,78 °C) estimated

Decomposition temperatureNot available.pHNot available.Kinematic viscosityNot available.

Solubility

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water) (log value)

Vapor pressure 0,27 hPa estimated

Density and/or relative density

**Density** 1,20 g/cm3 estimated

Vapor density Not available.

Particle characteristics Not available.

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No relevant additional information available.

9.2.2. Other safety characteristics

Specific gravity 1,2 estimated

**VOC** 0 g/l

#### SECTION 10: Stability and reactivity

**10.1. Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability** Material is stable under normal conditions.

10.3. Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

**10.4. Conditions to avoid** Avoid temperatures exceeding the flash point. Contact with incompatible materials.

10.5. Incompatible materials Acids. Strong oxidizing agents. Aluminum. Peroxides. Phenols.

**10.6. Hazardous** No hazardous decomposition products are known.

decomposition products

### **SECTION 11: Toxicological information**

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

Material name: DEVCON® Ceramic Repair Putty Hardener

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.

Causes serious eye damage. Eye contact

Harmful if swallowed. Ingestion

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred **Symptoms** 

vision. Permanent eye damage including blindness could result. Skin irritation. May cause

redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Harmful in contact with skin. Harmful if swallowed. **Acute toxicity** 

Components Species **Test Results** 

3,6-diazaoctanethylenediamin; triethylenetetramine (CAS 112-24-3)

**Acute** 

**Dermal** 

Liquid

LD50 Rat 1465 mg/kg

Oral

Liauid

LD50 Rat 1716 mg/kg

benzyl alcohol (CAS 100-51-6)

**Acute** 

**Dermal** 

LD50 Rahhit 2000 mg/kg

titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)

**Acute** 

Dermal

LD50 Hamster >= 10000 mg/kg

Oral

LD50 Rat > 10000 mg/kg

Causes skin irritation. Skin corrosion/irritation

Serious eye damage/eye

irritation

Causes serious eye damage.

Due to partial or complete lack of data the classification is not possible. Respiratory sensitization

Skin sensitization May cause an allergic skin reaction. Germ cell mutagenicity Suspected of causing genetic defects.

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

phenol; carbolic acid; monohydroxybenzene;

Mutagenic, Category 2.

phenylalcohol (CAS 108-95-2)

Carcinogenicity Due to partial or complete lack of data the classification is not possible.

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)

titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)

IARC Monographs. Overall Evaluation of Carcinogenicity

phenol; carbolic acid; monohydroxybenzene;

3 Not classifiable as to carcinogenicity to humans.

phenylalcohol (CAS 108-95-2)

titanium dioxide [in powder form containing 1 % or more

2B Possibly carcinogenic to humans.

of particles with aerodynamic diameter ≤ 10 µm]

(CAS 13463-67-7)

Due to partial or complete lack of data the classification is not possible. Reproductive toxicity Specific target organ toxicity -

single exposure

Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity -

repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Due to partial or complete lack of data the classification is not possible. **Aspiration hazard** 

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Mixture versus substance information

No information available.

#### 11.2. Information on other hazards

**Endocrine disrupting** 

properties

This mixture does not contain any substances having endocrine disrupting properties with respect to human health as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than

0.1% by weight.

Not available. Other information

### **SECTION 12: Ecological information**

Harmful to aquatic life with long lasting effects. Based on available data, the classification criteria 12.1. Toxicity

are not met for hazardous to the aquatic environment, acute hazard.

12.2. Persistence and

degradability

No data is available on the degradability of any ingredients in the mixture.

12.3. Bioaccumulative potential

**Partition coefficient** n-octanol/water (log Kow)

> benzyl alcohol 1.1 phenol; carbolic acid; monohydroxybenzene; phenylalcohol 1,46

Not available. **Bioconcentration factor (BCF)** No data available 12.4. Mobility in soil

12.5. Results of PBT and vPvB

assessment

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation

(EC) No 1907/2006, Annex XIII.

12.6. Endocrine disrupting

properties

This mixture does not contain any substances having endocrine disrupting properties with respect to the environment as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than

0.1% by weight.

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation 12.7. Other adverse effects

potential, endocrine disruption, global warming potential) are expected from this component.

#### 12.8. Additional information

### Estonia Dangerous substances in soil Data

benzyl alcohol (CAS 100-51-6) Chemical pesticides (As the total sum of the active substances)

0.5 MG/KG

Chemical pesticides (As the total sum of the active substances) 20

MG/KG

Chemical pesticides (As the total sum of the active substances) 5

MG/KG

phenol; carbolic acid; monohydroxybenzene;

phenylalcohol (CAS 108-95-2)

Hydroxybenzene (As the sum of Phenols) 0,1 MG/KG

Hydroxybenzene (As the sum of Phenols) 1 MG/KG Hydroxybenzene (As the sum of Phenols) 10 MG/KG

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow Disposal methods/information

this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches

with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Special precautions Dispose in accordance with all applicable regulations.

## **SECTION 14: Transport information**

**ADR** 

Not regulated as dangerous goods. 14.1. UN number

14.2. UN proper shipping

name

Not regulated as dangerous goods.

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### 14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary risk -

Hazard No. (ADR) Not assigned.
Tunnel restriction code Not assigned.

**14.4. Packing group** - **14.5. Environmental hazards** No.

14.6. Special precautions Not assigned.

for user

**RID** 

14.1. UN number Not regulated as dangerous goods.14.2. UN proper shipping Not regulated as dangerous goods.

name

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary risk -14.4. Packing group -14.5. Environmental hazards No.

14.6. Special precautions Not assigned.

for user

ADN

14.1. UN number Not regulated as dangerous goods.14.2. UN proper shipping Not regulated as dangerous goods.

name

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary risk -14.4. Packing group -14.5. Environmental hazards No.

14.6. Special precautions Not assigned.

for user

IATA

**14.1. UN number**Not regulated as dangerous goods. **14.2. UN proper shipping**Not regulated as dangerous goods.

name

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary risk 14.4. Packing group 14.5. Environmental hazards No.

**14.6. Special precautions** Not assigned.

for user

**IMDG** 

14.1. UN number Not regulated as dangerous goods.14.2. UN proper shipping Not regulated as dangerous goods.

name

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary risk 14.4. Packing group 14.5. Environmental hazards
Marine pollutant No

EmS Not assigned. 14.6. Special precautions Not assigned.

for user

14.7. Maritime transport in bulk Not established.

according to IMO instruments

### **SECTION 15: Regulatory information**

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

### **EU** regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed

#### Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Austria: 9470-V03F-Y00U-Q3G1

titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq$  10  $\mu$ m] (CAS 13463-67-7) phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA Not listed.

UFI:

Belgium: 9470-V03F-Y00U-Q3G1
Bulgaria: 9470-V03F-Y00U-Q3G1
Croatia: 9470-V03F-Y00U-Q3G1
Cyprus: 9470-V03F-Y00U-Q3G1
Czech Republic: 9470-V03F-Y00U-Q3G1
Denmark: 9470-V03F-Y00U-Q3G1
Estonia: 9470-V03F-Y00U-Q3G1
EU: 9470-V03F-Y00U-Q3G1
Finland: 9470-V03F-Y00U-Q3G1
France: 9470-V03F-Y00U-Q3G1
Germany: 9470-V03F-Y00U-Q3G1
Greece: 9470-V03F-Y00U-Q3G1
Hungary: 9470-V03F-Y00U-Q3G1

Ireland: 9470-V03F-Y00U-Q3G1 Italy: 9470-V03F-Y00U-Q3G1 Latvia: 9470-V03F-Y00U-Q3G1 Lithuania: 9470-V03F-Y00U-Q3G1 Luxembourg: 9470-V03F-Y00U-Q3G1 Malta: 9470-V03F-Y00U-Q3G1 Netherlands: 9470-V03F-Y00U-Q3G1 Poland: 9470-V03F-Y00U-Q3G1 Portugal: 9470-V03F-Y00U-Q3G1 Romania: 9470-V03F-Y00U-Q3G1 Slovakia: 9470-V03F-Y00U-Q3G1

Slovenia: 9470-V03F-Y00U-Q3G1 Spain: 9470-V03F-Y00U-Q3G1 Sweden: 9470-V03F-Y00U-Q3G1

Iceland: 9470-V03F-Y00U-Q3G1

#### **Authorizations**

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended Not listed.

#### Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use, as amended - Conditions of restriction given for the associated entry number should be considered

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended

phenol; carbolic acid; monohydroxybenzene; phenylalcohol (CAS 108-95-2)

Other regulations The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP

Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation

(EC) No 1907/2006, as amended.

National regulations According to Directive 92/85/EEC as amended, pregnant women should not work with the product,

if there is the least risk of exposure.

Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended. Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

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#### Contains a substance which is included on the TRGS 905 list of carcinogenic, germ cell mutagenic and reproductive toxic substances

titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Anorganische Faserstäube, soweit nicht erwähnt (ausgenommen Gipsfasernund Wollastonitfasern)

(CAS 13463-67-7)

#### France regulations

#### France INRS Table of Occupational Diseases

Not regulated.

#### **Product registration number**

UFI: 9470-V03F-Y00U-Q3G1 **Austria Belgium** UFI: 9470-V03F-Y00U-Q3G1 **Czech Republic** UFI: 9470-V03F-Y00U-Q3G1 **Denmark** UFI: 9470-V03F-Y00U-Q3G1 **European Union** UFI: 9470-V03F-Y00U-Q3G1 UFI: 9470-V03F-Y00U-Q3G1 Finland **France** UFI: 9470-V03F-Y00U-Q3G1 Germany UFI: 9470-V03F-Y00U-Q3G1 Greece UFI: 9470-V03F-Y00U-Q3G1 UFI: 9470-V03F-Y00U-Q3G1 Hungary UFI: 9470-V03F-Y00U-Q3G1 Italy **Netherlands** UFI: 9470-V03F-Y00U-Q3G1 **Norway** UFI: 9470-V03F-Y00U-Q3G1 **Poland** UFI: 9470-V03F-Y00U-Q3G1 **Portugal** UFI: 9470-V03F-Y00U-Q3G1 Slovakia UFI: 9470-V03F-Y00U-Q3G1 Slovenia UFI: 9470-V03F-Y00U-Q3G1 Spain UFI: 9470-V03F-Y00U-Q3G1 UFI: 9470-V03F-Y00U-Q3G1 Sweden **Switzerland** UFI: 9470-V03F-Y00U-Q3G1

15.2. Chemical safety

assessment

No Chemical Safety Assessment has been carried out.

### SECTION 16: Other information

#### List of abbreviations

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland

ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert - Germany).

CAS: Chemical Abstract Service.

CEN: European Committee for Standardization. IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous

Chemicals in Bulk.

Not available.

IMDG: International Maritime Dangerous Goods.

MAC: Maximum Allowed Concentration.

MARPOL: International Convention for the Prevention of Pollution from Ships.

PBT: Persistent, bioaccumulative and toxic.

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit. TLV: Threshold Limit Value. TWA: Time Weighted Average. VLE: Exposure Limit Value. VME: Exposure Average Value.

vPvB: Very persistent and very bioaccumulative.

#### References

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

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Full text of any statements, which are not written out in full under sections 2 to 15

H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

Material name: DEVCON® Ceramic Repair Putty Hardener

SDS FII

H318 Causes serious eye damage.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H341 Suspected of causing genetic defects.

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

Physical & Chemical Properties: Multiple Properties

Follow training instructions when handling this material.

Revision information Training information Disclaimer

ITW Performance Polymers cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

Material name: DEVCON® Ceramic Repair Putty Hardener
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