



Page 1 of 18  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision date / version: 24.01.2022 / 0006  
Replacing version dated / version: 13.01.2022 / 0005  
Valid from: 24.01.2022  
PDF print date: 20.02.2022  
Tacolit Mini Flex Component A 10 g  
Art.: 9097588

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

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

**1.1 Product identifier**

**Tacolit Mini Flex Component A 10 g**  
**Art.: 9097588**

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

Adhesive

**Uses advised against:**

No information available at present.

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

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

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

**1.4 Emergency telephone number**

**Emergency information services / official advisory body:**

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**Telephone number of the company in case of emergencies:**

+49 (0) 700 / 24 112 112 (BRC)  
+1 872 5888271 (BRC)

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**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

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

<b>Hazard class</b>	<b>Hazard category</b>	<b>Hazard statement</b>
Repr.	1B	H360F-May damage fertility.

**2.2 Label elements**

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

®

Page 2 of 18  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 24.01.2022 / 0006  
 Replacing version dated / version: 13.01.2022 / 0005  
 Valid from: 24.01.2022  
 PDF print date: 20.02.2022  
 Tacolit Mini Flex Component A 10 g  
 Art.: 9097588



Danger

H360F-May damage fertility.

P201-Obtain special instructions before use. P260-Do not breathe vapours or spray. P280-Wear protective gloves / protective clothing / eye protection / face protection.  
 P308+P313-IF exposed or concerned: Get medical advice / attention.

EUH202-Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

Restricted to professional users.  
 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol

### 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).  
 The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).  
 The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

n.a.

### 3.2 Mixtures

6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	SVHC-substance
<b>Registration number (REACH)</b>	---
<b>Index</b>	604-095-00-5
<b>EINECS, ELINCS, NLP, REACH-IT List-No.</b>	204-327-1
<b>CAS</b>	119-47-1
<b>content %</b>	0,3-<1
<b>Classification according to Regulation (EC) 1272/2008 (CLP), M-factors</b>	Eye Irrit. 2, H319 Repr. 1B, H360F

1,4-dihydroxybenzene	
<b>Registration number (REACH)</b>	---
<b>Index</b>	604-005-00-4
<b>EINECS, ELINCS, NLP, REACH-IT List-No.</b>	204-617-8
<b>CAS</b>	123-31-9
<b>content %</b>	0,01-<0,1



Page 3 of 18  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision date / version: 24.01.2022 / 0006  
Replacing version dated / version: 13.01.2022 / 0005  
Valid from: 24.01.2022  
PDF print date: 20.02.2022  
Tacolit Mini Flex Component A 10 g  
Art.: 9097588

---

<b>Classification according to Regulation (EC) 1272/2008 (CLP), M-factors</b>	Acute Tox. 4, H302 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Carc. 2, H351 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)
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Impurities, test data and additional information may have been taken into account in classifying and labelling the product.

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

#### Inhalation

Supply person with fresh air and consult doctor according to symptoms.

#### Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Do not attempt to force glued areas of skin apart.

#### Eye contact

Remove contact lenses.

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

After eyeball contact, the adhesive bond is released within a few hours.

The eyes open without foreign intervention after 1-4 days.

Follow-up examination by an ophthalmologist.

#### Ingestion

Rinse the mouth thoroughly with water.

Give copious water to drink - consult doctor immediately.

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

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

The following may occur:

Irritation of the eyes

reddening of the skin

Coughing

Irritation of the respiratory tract

Respiratory distress

### 4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

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## SECTION 5: Firefighting measures



Page 4 of 18

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

Revision date / version: 24.01.2022 / 0006

Replacing version dated / version: 13.01.2022 / 0005

Valid from: 24.01.2022

PDF print date: 20.02.2022

Tacolit Mini Flex Component A 10 g

Art.: 9097588

---

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

Water jet spray/foam/CO<sub>2</sub>/dry extinguisher

#### **Unsuitable extinguishing media**

None known

### **5.2 Special hazards arising from the substance or mixture**

In case of fire the following can develop:

Oxides of carbon

Oxides of nitrogen

Toxic gases

### **5.3 Advice for firefighters**

For personal protective equipment see Section 8.

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary.

Dispose of contaminated extinction water according to official regulations.

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

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

#### **6.1.1 For non-emergency personnel**

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination.

Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

Leave the danger zone if possible, use existing emergency plans if necessary.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

#### **6.1.2 For emergency responders**

See section 8 for suitable protective equipment and material specifications.

### **6.2 Environmental precautions**

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

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

Prevent from entering drainage system.

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

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

Wash in water.

Allow product to harden.

Pick up mechanically and dispose of according to Section 13.

### **6.4 Reference to other sections**

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

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## **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**



Page 5 of 18  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 24.01.2022 / 0006  
 Replacing version dated / version: 13.01.2022 / 0005  
 Valid from: 24.01.2022  
 PDF print date: 20.02.2022  
 Tacolit Mini Flex Component A 10 g  
 Art.: 9097588

Ensure good ventilation.  
 Avoid contact with eyes or skin.  
 Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.  
 Observe directions on label and instructions for use.  
 Use working methods according to operating instructions.

### 7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.  
 Wash hands before breaks and at end of work.  
 Keep away from food, drink and animal feedingstuffs.  
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

### 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.  
 Recommended storage temperature:

2 - 8°C

### 7.3 Specific end use(s)

No information available at present.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Chemical Name	1,4-dihydroxybenzene		Content %:0,01-<0,1
WEL-TWA: 0,5 mg/m3	WEL-STEL: ---	---	
Monitoring procedures: ---			
BMGV: ---	Other information: ---		

  

Chemical Name	Silica, amorphous		Content %:
WEL-TWA: 6 mg/m3 (total inh. dust), 2,4 mg/m3 (resp. dust)	WEL-STEL: ---	---	
Monitoring procedures: ---			
BMGV: ---	Other information: ---		

1,4-dihydroxybenzene						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,114	µg/l	
	Environment - marine		PNEC	0,0114	µg/l	
	Environment - sediment, freshwater		PNEC	0,00098	mg/kg	
	Environment - sediment, marine		PNEC	0,00097	mg/kg	
	Environment - sporadic (intermittent) release		PNEC	0,00134	mg/l	



Page 6 of 18

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

Revision date / version: 24.01.2022 / 0006

Replacing version dated / version: 13.01.2022 / 0005

Valid from: 24.01.2022

PDF print date: 20.02.2022

Tacolit Mini Flex Component A 10 g

Art.: 9097588

	Environment - soil		PNEC	0,000 129	mg/kg	
	Environment - sewage treatment plant		PNEC	0,71	mg/l	
Consumer	Human - dermal	Long term, systemic effects	DNEL	64	mg/kg bw/d	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	1,74	mg/m <sup>3</sup>	
Consumer	Human - inhalation	Long term, local effects	DNEL	0,5	mg/m <sup>3</sup>	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	128	mg/kg bw/d	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	7	mg/m <sup>3</sup>	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	1	mg/m <sup>3</sup>	

☉ WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). (8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage. \*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision. (13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

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

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

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

These are specified by e.g. EN 14042.

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

### 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.



Page 7 of 18

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

Revision date / version: 24.01.2022 / 0006

Replacing version dated / version: 13.01.2022 / 0005

Valid from: 24.01.2022

PDF print date: 20.02.2022

Tacolit Mini Flex Component A 10 g

Art.: 9097588

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Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

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

Eye/face protection:

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

Skin protection - Hand protection:

Chemical resistant protective gloves (EN ISO 374).

Recommended

Protective nitrile gloves (EN ISO 374).

Minimum layer thickness in mm:

$\geq 0,4$

With short-term contact:

Permeation time (penetration time) in minutes:

$> 30$

Permeation time (penetration time) in minutes:

With long-term contact:

$> 480$

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

Protective hand cream recommended.

Unsuitable material:

Rubber gloves (EN ISO 374).

Protective PVC gloves (EN ISO 374).

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:

Normally not necessary.

If air supply is not sufficient, wear protective breathing apparatus.

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

Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:

Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

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

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



Page 8 of 18

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

Revision date / version: 24.01.2022 / 0006

Replacing version dated / version: 13.01.2022 / 0005

Valid from: 24.01.2022

PDF print date: 20.02.2022

Tacolit Mini Flex Component A 10 g

Art.: 9097588

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### 8.2.3 Environmental exposure controls

No information available at present.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Colourless
Odour:	Odourless
Melting point/freezing point:	There is no information available on this parameter.
Boiling point or initial boiling point and boiling range:	74-76 °C
Flammability:	Not combustible.
Lower explosion limit:	There is no information available on this parameter.
Upper explosion limit:	There is no information available on this parameter.
Flash point:	There is no information available on this parameter.
Auto-ignition temperature:	There is no information available on this parameter.
Decomposition temperature:	There is no information available on this parameter.
pH:	Mixture reacts with water.
Kinematic viscosity:	There is no information available on this parameter.
Solubility:	reacts with water
Partition coefficient n-octanol/water (log value):	Does not apply to mixtures.
Vapour pressure:	There is no information available on this parameter.
Density and/or relative density:	1,06 g/cm <sup>3</sup>
Relative vapour density:	There is no information available on this parameter.
Particle characteristics:	Does not apply to liquids.

### 9.2 Other information

Explosives:	Product is not explosive.
Oxidising liquids:	No

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## 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

Exothermic reaction possible with:

Water  
Amines  
Alcohols  
Bases

### 10.4 Conditions to avoid

Protect from humidity.

### 10.5 Incompatible materials

Avoid contact with strong alkalis.  
Avoid contact with strong oxidizing agents.  
Avoid contact with strong acids.

### 10.6 Hazardous decomposition products

No decomposition when used as directed.

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Page 9 of 18  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 24.01.2022 / 0006  
 Replacing version dated / version: 13.01.2022 / 0005  
 Valid from: 24.01.2022  
 PDF print date: 20.02.2022  
 Tacolit Mini Flex Component A 10 g  
 Art.: 9097588

## SECTION 11: Toxicological information

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

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

Tacolit Mini Flex Component A 10 g Art.: 9097588						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>10000	mg/kg	Rabbit		
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:				Human being	(Patch-Test)	Not sensitizing
Germ cell mutagenicity:				Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation Test)	Negative

®

Page 10 of 18

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

Revision date / version: 24.01.2022 / 0006

Replacing version dated / version: 13.01.2022 / 0005

Valid from: 24.01.2022

PDF print date: 20.02.2022

Tacolit Mini Flex Component A 10 g

Art.: 9097588

Symptoms:						abdominal pain, nausea and vomiting.
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<b>1,4-dihydroxybenzene</b>						
<b>Toxicity / effect</b>	<b>Endpoint</b>	<b>Value</b>	<b>Unit</b>	<b>Organism</b>	<b>Test method</b>	<b>Notes</b>
Acute toxicity, by oral route:	LD50	367	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	5970	mg/kg	Mammalian		
Serious eye damage/irritation:						Risk of serious damage to eyes.
Respiratory or skin sensitisation:				Guinea pig		Sensitising (skin contact)
Germ cell mutagenicity:					Regulation (EC) 440/2008 B.13/B.14 (REVERSE MUTATION TEST USING BACTERIA)	Negative
Aspiration hazard:						No
Symptoms:						respiratory distress, unconsciousness, vomiting, headaches, cramps, mucous membrane irritation, nausea
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	LOAEL	>=500	mg/kg	Rat	OECD 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)	
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAEL	>=250	mg/kg	Rat	OECD 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)	

**Silica, amorphous**





Page 12 of 18

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

Revision date / version: 24.01.2022 / 0006

Replacing version dated / version: 13.01.2022 / 0005

Valid from: 24.01.2022

PDF print date: 20.02.2022

Tacolit Mini Flex Component A 10 g

Art.: 9097588

12.2. Persistence and degradability:							n.d.a.
12.3. Bioaccumulative potential:							n.d.a.
12.4. Mobility in soil:							n.d.a.
12.5. Results of PBT and vPvB assessment							n.d.a.
12.6. Endocrine disrupting properties:							Does not apply to mixtures.
12.7. Other adverse effects:							No information available on other adverse effects on the environment.
Other information:							According to the recipe, contains no AOX.
Other information:							DOC-elimination degree (complexing organic substance) $\geq$ 80%/28d: n.a.

<b>6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol</b>							
<b>Toxicity / effect</b>	<b>Endpoint</b>	<b>Time</b>	<b>Value</b>	<b>Unit</b>	<b>Organism</b>	<b>Test method</b>	<b>Notes</b>
12.2. Persistence and degradability:		28d	0	%		OECD 301 C (Ready Biodegradability - Modified MITI Test (I))	Not readily biodegradable
12.1. Toxicity to fish:	LC50	96h	>5	mg/l	Oryzias latipes		
12.1. Toxicity to daphnia:	EC50	48h	>4,8	mg/l	Daphnia magna		
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	0,34	mg/l	Daphnia magna	OECD 211 (Daphnia magna Reproduction Test)	



Page 13 of 18

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

Revision date / version: 24.01.2022 / 0006

Replacing version dated / version: 13.01.2022 / 0005

Valid from: 24.01.2022

PDF print date: 20.02.2022

Tacolit Mini Flex Component A 10 g

Art.: 9097588

12.1. Toxicity to algae:	ErC50	72h	>5	mg/l	Pseudokirchneriella subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	1,3	mg/l	Pseudokirchneriella subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
Toxicity to bacteria:	EC50	3h	>1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	

<b>1,4-dihydroxybenzene</b>							
<b>Toxicity / effect</b>	<b>Endpoint</b>	<b>Time</b>	<b>Value</b>	<b>Unit</b>	<b>Organism</b>	<b>Test method</b>	<b>Notes</b>
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
12.1. Toxicity to fish:	LC50	96h	0,638	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	0,0057	mg/l	Daphnia magna	OECD 211 (Daphnia magna Reproduction Test)	
12.1. Toxicity to daphnia:	EC50	48h	0,162 - 0,29	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	EC50	72h	0,335	mg/l	Pseudokirchneriella subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:			75-81	%		OECD 301 D (Ready Biodegradability - Closed Bottle Test)	Readily biodegradable



Page 14 of 18

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

Revision date / version: 24.01.2022 / 0006

Replacing version dated / version: 13.01.2022 / 0005

Valid from: 24.01.2022

PDF print date: 20.02.2022

Tacolit Mini Flex Component A 10 g

Art.: 9097588

12.3. Bioaccumulative potential:	BCF		40				
Toxicity to bacteria:	EC50	30min	0,038	mg/l	Photobacterium phosphoreum		

<b>Silica, amorphous</b>							
<b>Toxicity / effect</b>	<b>Endpoint</b>	<b>Time</b>	<b>Value</b>	<b>Unit</b>	<b>Organism</b>	<b>Test method</b>	<b>Notes</b>
12.1. Toxicity to fish:	EC0	96h	>1000 0	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EC0	24h	>1000	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	ErC50	72h	>=100 00	mg/l	Scenedesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:							Inorganic products cannot be eliminated from water through biological purification methods.
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance

## 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.



Page 15 of 18  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision date / version: 24.01.2022 / 0006  
Replacing version dated / version: 13.01.2022 / 0005  
Valid from: 24.01.2022  
PDF print date: 20.02.2022  
Tacolit Mini Flex Component A 10 g  
Art.: 9097588

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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.

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## SECTION 14: Transport information

### General statements

14.1. UN number or ID number:	n.a.
<b>Transport by road/by rail (ADR/RID)</b>	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
Classification code:	n.a.
LQ:	n.a.
14.5. Environmental hazards:	Not applicable
Tunnel restriction code:	
<b>Transport by sea (IMDG-code)</b>	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
Marine Pollutant:	n.a.
14.5. Environmental hazards:	Not applicable
<b>Transport by air (IATA)</b>	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
14.5. Environmental hazards:	Not applicable

### 14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

### 14.7. Maritime transport in bulk according to IMO instruments

Non-dangerous material according to Transport Regulations.

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## SECTION 15: Regulatory information

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

Observe restrictions:

Comply with national regulations/laws governing maternity protection (national implementation of the Directive 92/85/EEC)!

Regulation (EC) No 1907/2006, Annex XVII

6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol

Comply with national regulations/laws governing the protection of young people at work (national implementation of the Directive 94/33/EC)!

Comply with trade association/occupational health regulations.

Directive 2010/75/EU (VOC): 0 %



Page 16 of 18

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

Revision date / version: 24.01.2022 / 0006

Replacing version dated / version: 13.01.2022 / 0005

Valid from: 24.01.2022

PDF print date: 20.02.2022

Tacolit Mini Flex Component A 10 g

Art.: 9097588

## 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

## SECTION 16: Other information

Revised sections: 3

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
Repr. 1B, H360F	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).

H360F May damage fertility.

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H341 Suspected of causing genetic defects.

H351 Suspected of causing cancer.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Repr. — Reproductive toxicity

Eye Irrit. — Eye irritation

Acute Tox. — Acute toxicity - oral

Eye Dam. — Serious eye damage

Skin Sens. — Skin sensitization

Muta. — Germ cell mutagenicity

Carc. — Carcinogenicity

Aquatic Acute — Hazardous to the aquatic environment - acute

Aquatic Chronic — Hazardous to the aquatic environment - chronic

### Key literature references and sources for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.

Guidelines for the preparation of safety data sheets as amended (ECHA).

Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).

Safety data sheets for the constituent substances.

ECHA Homepage - Information about chemicals.

GESTIS Substance Database (Germany).

German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany).

EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.

National Lists of Occupational Exposure Limits for each country as amended.





Page 17 of 18

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

Revision date / version: 24.01.2022 / 0006

Replacing version dated / version: 13.01.2022 / 0005

Valid from: 24.01.2022

PDF print date: 20.02.2022

Tacolit Mini Flex Component A 10 g

Art.: 9097588

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Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

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**Any abbreviations and acronyms used in this document:**

acc., acc. to according, according to

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

AOX Adsorbable organic halogen compounds

approx. approximately

Art., Art. no. Article number

ASTM ASTM International (American Society for Testing and Materials)

ATE Acute Toxicity Estimate

BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)

BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)

BCF Bioconcentration factor

BSEF The International Bromine Council

bw body weight

CAS Chemical Abstracts Service

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

CMR carcinogenic, mutagenic, reproductive toxic

DMEL Derived Minimum Effect Level

DNEL Derived No Effect Level

DOC Dissolved organic carbon

dw dry weight

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

EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants)

EC European Community

ECHA European Chemicals Agency

ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect

EEC European Economic Community

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

EN European Norms

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

ErCx, EµCx, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants)

etc. et cetera

EU European Union

EVAl Ethylene-vinyl alcohol copolymer

Fax. Fax number

gen. general

GHS Globally Harmonized System of Classification and Labelling of Chemicals

GWP Global warming potential

Koc Adsorption coefficient of organic carbon in the soil

Kow octanol-water partition coefficient



Page 18 of 18

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

Revision date / version: 24.01.2022 / 0006

Replacing version dated / version: 13.01.2022 / 0005

Valid from: 24.01.2022

PDF print date: 20.02.2022

Tacolit Mini Flex Component A 10 g

Art.: 9097588

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IARC International Agency for Research on Cancer

IATA International Air Transport Association

IBC (Code) International Bulk Chemical (Code)

IMDG-code International Maritime Code for Dangerous Goods

incl. including, inclusive

IUCLID International Uniform Chemical Information Database

IUPAC International Union for Pure Applied Chemistry

LC50 Lethal Concentration to 50 % of a test population

LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)

Log K<sub>oc</sub> Logarithm of adsorption coefficient of organic carbon in the soil

Log K<sub>ow</sub>, Log P<sub>ow</sub> Logarithm of octanol-water partition coefficient

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

NIOSH National Institute for Occupational Safety and Health (USA)

NLP No-longer-Polymer

NOEC, NOEL No Observed Effect Concentration/Level

OECD Organisation for Economic Co-operation and Development

org. organic

OSHA Occupational Safety and Health Administration (USA)

PBT persistent, bioaccumulative and toxic

PE Polyethylene

PNEC Predicted No Effect Concentration

ppm parts per million

PVC Polyvinylchloride

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

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

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

SVHC Substances of Very High Concern

Tel. Telephone

TOC Total organic carbon

UN RTDG United Nations Recommendations on the Transport of Dangerous Goods

VOC Volatile organic compounds

vPvB very persistent and very bioaccumulative

wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.