



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

### 1.1. Product identifier

# Tikalflex CW

CAS No.: -  
EC No.: -  
INDEX No.: -  
REACH No.: -

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

Relevant identified uses: cleaning cloth  
Uses advised against: Other

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer

Tikal Marine Systems GmbH

Telephone: +49 40 526 30 60 3

Telefax: +49 40 526 30 60 5

Werkstrasse 6

D 22844 Norderstedt

#### Supplier (manufacturer/importer/only representative/downstream user/distributor)

Tikal Marine Systems GmbH

Telephone: +49 40 526 30 60 3

Telefax: +49 40 526 30 60 5

Werkstrasse 6

D 22844 Norderstedt

#### Information contact

Tikal Marine Systems GmbH

Information telephone: +49 40 526 30 60 3

Information telefax: +49 40 526 30 60 5

E-mail (competent person): info@tikal-online.de

Website: <http://www.tikal-online.com>

#### National contact

Tikal Marine Systems GmbH

Information telephone: +49 40 526 30 60 3

Information telefax: +49 40 526 30 60 5

E-mail (competent person): info@tikal-online.de

Website: <http://www.tikal-online.com>

#### Dept. responsible for information:

Tikal Marine Systems GmbH

### 1.4. Emergency telephone number

Tikal Marine Systems GmbH

Telephone: +49 40 526 30 60 3

## SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008: -

## 2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:

Signal word: -

Hazard statements: -

Precautionary statements: 102 Keep out of reach of children.  
210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
281 Use personal protective equipment as required.  
305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## 2.3. Other hazards

This mixture is classified as not hazardous according to Regulation (EC) 1272/2008 [GHS].  
The preparation is not dangerous in the sense of Directive 1999/45/EC.

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## SECTION 3: Composition / information on ingredients

### 3.1. Substances

### 3.2. Mixtures

#### Composition/information on ingredients

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):
-						

#### Substance with a common (EC) occupational exposure limit value

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):
-						

(Full text of H- and EUH-phrases: see section 16.)

#### Additional information

none

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General information:** In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

**Following inhalation:** No special measures are necessary.  
Seek medical attention if problems persist.

- Following skin contact:** No special measures are necessary.  
In case of skin irritation, seek medical treatment.
- After eye contact:** No special measures are necessary.  
In case of eye irritation consult an ophthalmologist.
- After ingestion:** Rinse mouth immediately and drink large quantities of water.  
Seek medical attention if problems persist.

**Self-protection of the first aider:** No special measures are necessary.

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

**Symptoms:** No symptoms known up to now.

**Nature of Hazard:** No risks worthy of mention.

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

**Notes for the doctor:** No special measures are necessary.

**Special treatment:** No special measures are necessary.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media:** Water fog.  
High power water jet.  
Carbon dioxide (CO<sub>2</sub>).  
Foam.  
Dry extinguishing powder.

**Unsuitable extinguishing media:** none

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

none

#### 5.3. Advice for firefighters

##### General information

Extinguishing materials should be selected according to the surrounding area.

##### Special protective equipment for firefighters:

none

##### Additional information

none

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### SECTION 6: Accidental release measures

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

No special measures are necessary.

## 6.2. Environmental precautions

No special environmental protection measures are necessary.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Treat the assimilated material according to the section on waste disposal.

## 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advices on safe handling

No special precautionary measures are necessary.

#### Technical measures

No special technical protective measures are necessary.

#### Precautions against fire and explosion

No special fire protection measures are necessary.

#### Additional information

none

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

#### Technical measures and storage conditions

No special technical protective measures are necessary.

#### Packaging materials

Keep/Store only in original container.

#### Requirements for storage rooms and vessels

none

#### Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

**Storage class:** 10-13

**Further information on storage conditions**

none

**7.3. Specific end use(s)**

none

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

**8.1. Control parameters**

**occupational exposure limit value**

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:
-					

**Substance with a common (EC) occupational exposure limit value**

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:
-					

**DNEL-/PNEC-values**

**DNEL value**

Substance:	CAS-No.:	DNEL/DMEL	Industry	Professional	consumer

**PNEC Value**

Substance:	CAS-No.:	PNEC	Worker, industry	Worker, professional	consumer

**Risk management measures according to used control banding approach**

none

**Additional information**

Does not contain substances above concentration limits fixing an occupational exposure limit.

**8.2. Exposure controls**

**Occupational exposure controls**

none

**General protection and hygiene measures**

Do not eat, drink, smoke or sneeze at the workplace.  
Wash hands before breaks and at the end of work.  
Apply skin care products after work.  
Wash contaminated clothing prior to re-use.

**Personal protection equipment**

none

**Respiratory protection**

Respiratory protection not required.

**Hand protection**

Hand protection: not required.

**Eye/face protection**

Eye protection: not required.

**Body protection**

Skin protection: not required.

**Environmental exposure controls**

refer to chapter 7. No further action is necessary.

**Consumer exposure controls**

refer to chapter 7. No further action is necessary.

**Exposure Scenario**

none

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Appearance**

**Physical state:** impregnated cleaning cloth  
**Colour:** according to product specification  
**Odour:** Perfumes, fragrances  
**Odour threshold:** No data available

**Safety relevant basis data**

	parameter	unit	remark
<b>Density:</b>	1,01 +- 0,01	g /cm <sup>3</sup>	
<b>Bulk density:</b>			No data available
<b>pH:</b>	6.9 +- 0,7		
<b>Melting point/freezing point:</b>			not applicable
<b>Initial boiling point and boiling range:</b>			not applicable
<b>Flash point:</b>	>= 43	oC	
<b>Flammability (solid, gas):</b>			No data available
<b>Explosivity:</b>			No data available
<b>Lower explosion limit:</b>			No data available
<b>Upper explosion limit:</b>			No data available
<b>Ignition temperature:</b>			No data available
<b>Decomposition temperature:</b>			No data available
<b>Oxidizing potential:</b>			No data available
<b>Vapour pressure:</b>	23	hPa	
<b>Vapour density:</b>			No data available
<b>Evaporation rate:</b>			No data available
<b>Water solubility:</b>			No data available
<b>Fat solubility:</b>			No data available
<b>Soluble in:</b>	:		No data available
<b>Partition coefficient: n-octanol/water:</b>			No data available
<b>Viscosity:</b>			No data available

**Solvent separation test:**  
**Solvent content:**

No data available  
No data available

## 9.2. Other information

none

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

none

### 10.2. Chemical stability

With proper storage and handling the product is stable.

### 10.3. Possibility of hazardous reactions

none

### 10.4. Conditions to avoid

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

### 10.5. Incompatible materials

none

### 10.6. Hazardous decomposition products

No data available

#### Additional information

none

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

none

#### Acute toxicity

Substance:	CAS-No.:	Toxicological information
-		

#### Specific symptoms in laboratory animals

none

#### Irritation and etching

Irritant effect on the skin  
Not an irritant.

Irritant effect on the eye  
mild irritant.

Irritant effect on the respiratory tract  
Not an irritant.

Additional information  
not corrosive

**Sensitization**

no danger of sensitization.

**Repeated dose toxicity (subacute, subchronic, chronic)**

No risks worthy of mention.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Carcinogenicity  
No indications of human carcinogenicity exist.

Germ cell mutagenicity  
No indications of human germ cell mutagenicity exist.

Reproductive toxicity  
No indications of human reproductive toxicity exist.

**General remarks**

none

**Practical experience/human evidence**

none

**Other observations**

none

**Other information**

none

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**SECTION 12: Ecological information**

**12.1. Toxicity**

none

**Ecotoxicity**

Substance:	CAS-No.:	Ecotoxicity
-		

**12.2. Persistence and degradability**

Easily biodegradable (concerning to the criteria of the OECD)



### 12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

### 12.4. Mobility in soil

none

### 12.5. Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

### 12.6. Other adverse effects

none

#### Further ecological information

none

#### Further details

none

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Appropriate disposal/Product

Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.

Can be disposed of on a rubbish tip for household waste.

#### Appropriate disposal / Package

Completely emptied packings can be re-cycled.

#### List of proposed waste codes/waste designations in accordance with EWC

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

**Waste code product:** 20 01 30 - detergents other than those mentioned in 20 01 29

**Waste code packaging:** 15 01 05 - composite packaging

#### remark

Waste disposal according to official state regulations.

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## SECTION 14: Transport information

### 14.1. UN number

UN No.:

### 14.2. UN proper shipping name

Official directive for the transport

Proper Shipping name

#### 14.3. Transport hazard class(es)

Hazard label(s):

Classification code:

#### 14.4. Packing group

Packing group:

#### 14.5. Environmental hazards

Environmental hazards: none

#### 14.6. Special precautions for user

Land transport (ADR/RID)

Remark: Not a hazardous material with respect to these transportation regulations.

Transport category:

Tunnel restriction code:

Special provisions:

Limited quantity (LQ):

Sea transport (IMDG)

Special Provisions:

Remark: Not a hazardous material with respect to these transportation regulations.

EmS-No:

MFAG:

Marine pollutant:

Special provisions:

Limited quantity (LQ):

Air transport (ICAO-TI / IATA-DGR)

Remark: Not a hazardous material with respect to these transportation regulations.

Limited quantity (LQ):

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remark: none

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### SECTION 15: Regulatory information

Labeling

Hazardous component(s) for labelling

Special labelling of particular preparations

Safety data sheet available for professional user on request.

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

EU legislation

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds

**(VOC-guideline).**

none

**Regulation (EC) No 2037/2000 concerning materials, which cause damage to the ozone layer.**

none

**Regulation (EC) No. 648/2004 (Detergents regulation)**

none

**National regulations**

Observe in addition any national regulations!

**Restrictions of occupation**

none

**Storage class**

10-13

**Water hazard class (WGK)**

1 weak water pollutant (WGK 1)

**Other regulations, restrictions and prohibition regulations**

none

## 15.2. Chemical Safety Assessment

**For this preparation a chemical safety assessment has been carried out:**

For this substance a chemical safety assessment is not required.

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## SECTION 16: Other information

**Relevant H- and EUH-phrases (Number and full text)**

**Hazard statements**

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**Training advice**

none

**Recommended restrictions of use**

refer to chapter 1.

**Further remarks**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

**Documentation of changes**

none

**Key literature references and sources for data**

Data arise from reference works and literature.

**Abbreviations and acronyms**

none

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