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

1.1. Product identifier

Tikalflex TSC

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: Sealant
Uses advised against: Other

1.3. Details of the supplier of the safety data sheet

Manufacturer

Tikal Marine Systems GmbH

Werkstrasse 6
D 22844 Norderstedt

Telephone: +49 40 526 30 60 3

Telefax: +49 40 526 30 60 5

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

Tikal Marine Systems GmbH

Werkstrasse 6
D 22844 Norderstedt

Telephone: +49 40 526 30 60 3

Telefax: +49 40 526 30 60 5

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: -

2.3. Other hazards

This mixture is classified as not hazardous according to Regulation (EC) 1272/2008 [GHS].

SECTION 3: Composition / information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Composition/information on ingredients

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

This mixture does not contain any substances presenting a health or environmental hazard within the meaning of Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT

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: Es sind keine besonderen Maßnahmen erforderlich.
Bei andauernden Beschwerden Arzt aufsuchen.

Following skin contact:

After eye contact: Direct contact may cause irritation of the eyes.

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: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water fog. Carbon dioxide (CO₂). Foam. Dry extinguishing powder.
Unsuitable extinguishing media: High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Pyrolysis products, toxic Carbon monoxide. Carbon dioxide (CO₂).

5.3. Advice for firefighters

General information

Extinguishing materials should be selected according to the surrounding area.

Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus.

Additional information

none

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid contact with eyes.

Technical measures

No special technical protective measures are necessary.

Precautions against fire and explosion

Usual measures for fire prevention.

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

Protect against: heat. Water. Maximum storage temperature:

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

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): DIN EN 374

Eye/face protection

Tightly sealed safety glasses.

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

S V M B

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Paste
Colour: black white grey
Odour: characteristic
Odour threshold: No data available

Safety relevant basis data

	parameter	unit	remark
Density:	20 °C	1,30 g / cm ³	
Bulk density:			No data available
pH:			No data available
Melting point/freezing point:			No data available
Initial boiling point and boiling range:			No data available
Flash point:		> 104 °C	
Flammability (solid, gas):			No data available
Explosivity:			No data available
Lower explosion limit:			No data available
Upper explosion limit:			No data available
Ignition temperature:			No data available
Decomposition temperature:			No data available
Oxidizing potential:			No data available
Vapour pressure:			No data available
Vapour density:		> 1	(Air = 1)
Evaporation rate:		< 1	(Butylacetate = 1)

Water solubility:	insoluble
Fat solubility:	No data available
Soluble in:	No data available
Partition coefficient: n-octanol/water:	No data available
Viscosity:	No data available
Solvent separation test:	No data available
Solvent content:	No data available

9.2. Other information

none

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

No data available

10.4. Conditions to avoid

moisture. heat.

10.5. Incompatible materials

none

10.6. Hazardous decomposition products

No data available

Additional information

none

SECTION 11: Toxicological information

11.1. Information on toxicological effects

none

Acute toxicity

Substance:	CAS-No.:	Toxicological information
-		

Specific symptoms in laboratory animals

No information available.

Irritation and etching

Irritant effect on the skin

Direct contact may cause irritaton of the mucous membranes

Irritant effect on the eye

Direct contact may cause irritation of the eyes.

Irritant effect on the respiratory tract

Vapours may mucous membranes irritate or cause temporary headaches

Additional information
none

Sensitization

No information available.

Repeated dose toxicity (subacute, subchronic, chronic)

No information available.

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

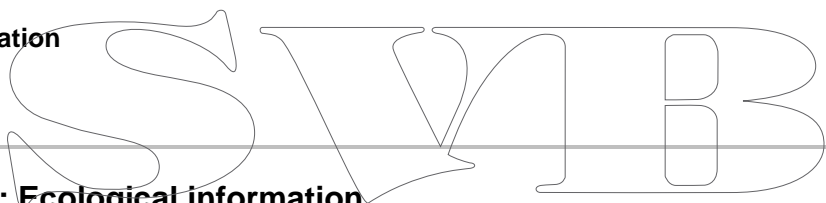
none

Other observations

none

Other information

none



SECTION 12: Ecological information

12.1. Toxicity

none

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
-		

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

12.4. Mobility in soil

No information available.

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

No information available.

Further ecological information

none

Further details

none

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product

Dispose of waste according to applicable legislation.

Appropriate disposal / Package

Completely emptied packages can be recycled.

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: 11 01 99 - wastes not otherwise specified

Waste code packaging: 15 01 05 - composite packaging

remark

Waste disposal according to official state regulations.

SECTION 14: Transport information

14.1. UN number

UN No.:

14.2. UN proper shipping name

Official directive for the transport

Not a hazardous material with respect to these transportation regulations.

Proper Shipping name

Not a hazardous material with respect to these transportation regulations.

14.3. Transport hazard class(es)

Hazard label(s):

Classification code:

14.4. Packing group

Packing group:

14.5. Environmental hazards

Environmental hazards:

14.6. Special precautions for user

Land transport (ADR/RID)

Remark:

Transport category:

Special provisions:

Tunnel restriction code:

Limited quantity (LQ):

Sea transport (IMDG)

Special Provisions:

Remark:
EmS-No: Marine pollutant:
Special provisions: Limited quantity (LQ):

Air transport (ICAO-TI / IATA-DGR)
Remark:
Limited quantity (LQ):

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

Remark:

SECTION 15: Regulatory information

Labeling

Hazardous component(s) for labelling

xxx

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)

0 not a water pollutant

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.

SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text) Hazard statements

-

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

A large, stylized outline logo consisting of the letters 'S', 'V', 'I', and 'B' in a bold, rounded font. The letters are interconnected and have a decorative, slightly irregular appearance. The logo is positioned below the 'Abbreviations and acronyms' section and spans across the width of the page.