



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

1.1. Product identifier

Tikal Teak Cleaner - Liquid

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 Supplies
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:
Eye Irrit. 2; H319

2.2. Label elements

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

Hazard pictograms:



Signal word:

GHS07

Warning

Hazard statements:

319 Causes serious eye irritation.

Precautionary statements:

280 Wear protective gloves/protective clothing/eye protection/face protection.

305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

337+313 If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

No risks worthy of mention.

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):
xxxx		111905-53-4			1 - 5 %	Acute Tox. 4; H302
diethylene glycol monobutyl ether	203-961-6	112-34-5	603-096-00-8	01-2119475104- 44-0000	5 - 15 %	Eye Irrit. 2; H319
isotridecanol, ethoxylated	500-241-6	69011-36-5		01-2119976362- 32-0000	1 - 3 %	Acute Tox. 4; H302 Eye Dam. 1; H318

Substance with a common (EC) occupational exposure limit value

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

Additional information

none

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). Take off immediately all contaminated clothing.
Following inhalation:	Provide fresh air. In case of irritation of the respiratory tract seek medical advice.
Following skin contact:	After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.
After eye contact:	In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently 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: First aid assistant: Pay attention to self-protection!

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

Symptoms:	Direct contact may cause irritation of the eyes.
Nature of Hazard:	Causes eye irritation.

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

Notes for the doctor:	Direct contact may cause irritation of the eyes.
Special treatment:	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	Water fog. Carbon dioxide (CO ₂). Foam. Dry extinguishing powder.
Unsuitable extinguishing media:	High power water jet.

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. Use water spray/stream to protect personnel and to cool endangered containers.

Special protective equipment for firefighters:

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

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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

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

Provide for sufficient ventilation and punctiform suction at critical points.

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

Ensure adequate ventilation of the storage area.

Packaging materials

Keep/Store only in original container.

Requirements for storage rooms and vessels

Keep container tightly closed.

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:
diethylene glycol monobutyl ether	112-34-5	TRGS 900	67 mg/m ³ ; 10 ml/m ³	1,5 (l)	EU, DFG, Y, 11

Substance with a common (EC) occupational exposure limit value

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:
diethylene glycol monobutyl ether	112-34-5	Richtlinie 2006/15/EG	10 ppm / 67,5 mg/m ³	15 ppm / 101,2 mg/m ³	

DNEL-/PNEC-values

DNEL value

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

Substance:	CAS-No.:	PNEC	Worker, industry	Worker, professional	consumer
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Risk management measures according to used control banding approach

none

Additional information

none

8.2. Exposure controls

Occupational exposure controls

Provide for sufficient ventilation and punctiform suction at critical points. Technical measures and the application of adequate working methods take priority over the use of personal protection equipment.

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

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection

Respiratory protection required in case of: Formation of aerosol. Suitable respiratory protective equipment: Combination filter device (DIN EN 141)..

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

Suitable protection of the body: Overall. For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Only wear fitting, comfortable and clean protective clothing.

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:	liquid
Colour:	clear
Odour:	characteristic
Odour threshold:	No data available

Safety relevant basis data

	parameter	unit	remark
Density:	1,06	g/cm ³	
Bulk density:			No data available
pH:	11,4		
Melting point/freezing point:			No data available
Initial boiling point and boiling range:			No data available
Flash point:			No data available
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:			No data available
Evaporation rate:			No data available
Water solubility:			easily soluble.
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

none

10.4. Conditions to avoid

heat. UV-radiation/sunlight.

10.5. Incompatible materials

Oxidizing agents. Reducing agents. Acid. Alkalis (alkalis).

10.6. Hazardous decomposition products

Can be released in case of fire: Carbon dioxide. Carbon monoxide.

Additional information

none

SECTION 11: Toxicological information

11.1. Information on toxicological effects

There are no data available on the preparation/mixture itself.

Acute toxicity

Substance:	CAS-No.:	Toxicological information
diethylene glycol monobutyl ether	112-34-5	LD50 oral (Ratte) 5660 mg/kg LD50 dermal (Kaninchen) 2700 mg/kg

Specific symptoms in laboratory animals

No information available.

Irritation and etching

Irritant effect on the skin
mild irritant.

Irritant effect on the eye
strong irritant.

Irritant effect on the respiratory tract
mild irritant.

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

There are no data available on the mixture itself.

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
diethylene glycol monobutyl ether	112-34-5	LC50 Fisch (96 h) 1650 mg/l

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

If product enters soil, it will be mobile and may contaminate groundwater

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

none

Further ecological information

Do not empty into drains or the aquatic environment.

Further details

none

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

Cleaned containers may be recycled. Handle contaminated packaging in the same way as the substance itself.

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:

Tunnel restriction code:

Special provisions:

Limited quantity (LQ):

Sea transport (IMDG)

Special Provisions:

Remark:

EmS-No:

MFAG:

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

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

319 Causes serious eye irritation.

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

