Safety Data Sheet
TEAK WONDER INSTANT TEAK CLEANER

Safety Data Sheet dated 26/11/2019, version 4

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

1.1. Product identifier

Mixture identification:

Trade name: TEAK WONDER INSTANT TEAK CLEANER

Trade code: TWITCL

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

Recommended use:

Teak cleaner - FOR LEISURE CRAFTS ONLY

Uses advised against:

All uses not listed in the recomended uses

1.3. Details of the supplier of the safety data sheet

Company:

BARKA s.r.l. Strada Padana Superiore, 256/266 – 20090 Vimodrone – MI – ITALIA

Tel. (+39) 02 27408033 – Fax (+39) 02 2504072

Competent person responsible for the safety data sheet:

info@barka.it

1.4. Emergency telephone number

UK - National Poisons Information Service: 844 892 0111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Warning, Met. Corr. 1, May be corrosive to metals.

Danger, Skin Corr. 1A, Causes severe skin burns and eye damage.

Danger, Eye Dam. 1, Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

Danger

Hazard statements:

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

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

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor/...
P405 Store locked up.
P501 Dispose of contents/container in accordance with applicable regulations.
Special Provisions:
PACK1 The packing must be featured by a safety lock for children.
PACK2 The packing must have tactive indications of danger for blind people.
Contains
disodium metasilicate
Product contents:
Non-ionic surfactants < 5 %
The product also contains:
Allergens:
Preservatives: tetrasodium ethylene diamine tetraacetate
Special provisions according to Annex XVII of REACH and subsequent amendments:
None

2.3. Other hazards
vPvB Substances: None - PBT Substances: None
Other Hazards:
No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances
N.A.
3.2. Mixtures
Hazardous components within the meaning of the CLP regulation and related classification:
3% - 5% 1-methoxy-2-propanol; monopropylene glycol methyl ether
Index number: 603-064-00-3, CAS: 107-98-2, EC: 203-539-1


2.6/3 Flam. Liq. 3 H226


3.8/3 STOT SE 3 H336

1% - 2.5% disodium metasilicate
CAS: 10213-79-3, EC: 229-912-9


2.16/1 Met. Corr. 1 H290


3.2/1B Skin Corr. 1B H314


3.8/3 STOT SE 3 H335

SECTION 4: First aid measures

4.1. Description of first aid measures
In case of skin contact:
Immediately take off all contaminated clothing.
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
OBTAIN IMMEDIATE MEDICAL ATTENTION.
Wash with plenty of water and soap.
In case of eyes contact:
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
In case of Ingestion:
Do NOT induce vomiting.
In case of Inhalation:
Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed
None
4.3. Indication of any immediate medical attention and special treatment needed
Treatment:
None

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
Water.
Carbon dioxide (CO2).
Extinguishing media which must not be used for safety reasons:
None in particular.
5.2. Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.
Hazardous combustion products:
5.3. Advice for firefighters
Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.
6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand
6.3. Methods and material for containment and cleaning up
Wash with plenty of water.
6.4. Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhaltion of vapours and mists.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Do not eat or drink while working.
7.2. Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.
7.3. Specific end use(s)
None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

VL - TWA: 375 mg/m3, 100 ppm - STEL: 568 mg/m3, 150 ppm - Notes: Skin; 2000/39/EC

EU - TWA(8h): 375 mg/m3, 100 ppm - STEL: 563 mg/m3, 150 ppm - Notes: Skin

ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: A4 - Eye and URT irr

disodium metasilicate - CAS: 10213-79-3

OEL - TWA: 3 mg/m3 - STEL: 10 mg/m3 - Notes: TRGS 900

DNEL Exposure Limit Values

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Worker Professional: 369 03 - Consumer: 43.9 03 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Notes: repeated dose toxicity

Worker Professional: 553.5 03 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects - Notes: neurotoxicity

Worker Professional: 553.5 03 - Exposure: Human Inhalation - Frequency: Short Term, local effects - Notes: neurotoxicity

Worker Professional: 183 09 - Consumer: 78 09 - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: repeated dose toxicity

Consumer: 33 09 - Exposure: Human Oral - Frequency: Long Term, systemic effects - Notes: repeated dose toxicity

PNEC Exposure Limit Values

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Target: Fresh Water - Value: 10 mg/l

Target: Marine water - Value: 1 mg/l

Target: Discontinuous use/release - Value: 100 mg/l

Target: Microorganisms in sewage treatments - Value: 100 mg/l

Target: Marine water sediments - Value: 5.2 07

Target: Freshwater sediments - Value: 52.3 07

Target: Soil (agricultural) - Value: 4.59 07

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Appearance and colour:	Fluid at middle viscosity; colour as described	--	--
Odour:	Characteristic	--	--
Odour threshold:	N.A.	--	--
pH:	12.8	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	100 °C	--	--

Flash point:	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	1.02 g/ml (20°C)	--	--
Solubility in water:	100%	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	**Value**	**Method:**	**Notes**
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions
10.2. Chemical stability
Stable under normal conditions
10.3. Possibility of hazardous reactions
It may generate flammable gases on contact with halogenated organic substances, and elementary metals.
10.4. Conditions to avoid
Stable under normal conditions.
10.5. Incompatible materials
None in particular.
10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological information of the product:
TEAK WONDER INSTANT CLEANER
a) acute toxicity
Not classified
Based on available data, the classification criteria are not met
b) skin corrosion/irritation
The product is classified: Skin Corr. 1A H314
c) serious eye damage/irritation
The product is classified: Eye Dam. 1 H318
d) respiratory or skin sensitisation
Not classified

Based on available data, the classification criteria are not met
e) germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met
g) reproductive toxicity
Not classified
Based on available data, the classification criteria are not met
h) STOT-single exposure
Not classified
Based on available data, the classification criteria are not met
i) STOT-repeated exposure
Not classified
Based on available data, the classification criteria are not met
j) aspiration hazard
Not classified
Based on available data, the classification criteria are not met
Toxicological information of the main substances found in the product:
1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat >= 3739 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 31.59 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 7000 ppm - Duration: 6h
b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin Positive
c) serious eye damage/irritation:
Test: Eye Irritant - Route: VIEW Positive
d) respiratory or skin sensitisation:
Route: Skin Negative
f) carcinogenicity:
Test: NOAEC - Route: Inhalation - Species: Mouse = 3000 ppm
g) reproductive toxicity:
Test: NOAEL - Route: Inhalation - Species: Rat = 300 ppm
disodium metasilicate - CAS: 10213-79-3
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 1152-1349 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 2.06 g/m3
Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg
b) skin corrosion/irritation:
Test: Skin Corrosive - Route: Skin Positive
c) serious eye damage/irritation:
Test: Eye Corrosive Positive
h) STOT-single exposure:
Test: Respiratory Tract Irritant - Route: Inhalation Positive

SECTION 12: Ecological information

12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
TEAK WONDER INSTANT CLEANER
Not classified for environmental hazards
Based on available data, the classification criteria are not met
1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Lueciscus idus = 4600-10000 mg/l - Duration h: 96
Endpoint: EC50 - Species: DAPHNIA MAGNA > 500 mg/l - Duration h: 48

Endpoint: LC50 - Species: Pimephales promelas = 20.8 G/L - Duration h: 96
Endpoint: IC50 - Species: DOMESTIC ACTIVE MUDD > 1000 mg/l - Duration h: 3
Endpoint: EC50 - Species: Pimephales promelas = 20800 mg/l - Duration h: 96
Endpoint: EC50 - Species: Selenastrum capricor > 1000 mg/l - Duration h: 168
Endpoint: LC50 - Species: ONCHORHYNCHUS MYKISS > 1000 mg/l

disodium metasilicate - CAS: 10213-79-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Brachydanio rerio = 210 mg/l - Duration h: 96
Endpoint: EC50 - Species: DAPHNIA MAGNA = 1700 mg/l - Duration h: 48

e) Plant toxicity:

Endpoint: EC50 - Species: Scenedesmus subspicatus = 207 mg/l - Duration h: 72 - Notes: Biomass
Endpoint: EC50 - Species: Scenedesmus subspicatus > 345.4 mg/l - Duration h: 72 - Notes: growth rate

12.2. Persistence and degradability

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Biodegradability: Readily biodegradable

disodium metasilicate - CAS: 10213-79-3

Biodegradability: readly biodegradabile

12.3. Bioaccumulative potential

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient 3

disodium metasilicate - CAS: 10213-79-3

Bioaccumulation: Not bioaccumulative

12.4. Mobility in soil

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Mobility in soil: Mobile

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number

ADR-UN number:	3266
IATA-Un number:	3266
IMDG-Un number:	3266

14.2. UN proper shipping name

ADR-Shipping Name:	CORROSIVE LIQUID, BASIC, INORGANIC. N.O.S. (DISODIUM METASILICATE)
IATA-Technical name:	CORROSIVE LIQUID, BASIC, INORGANIC. N.O.S. (DISODIUM METASILICATE)
IMDG-Technical name:	CORROSIVE LIQUID, BASIC, INORGANIC. N.O.S. (DISODIUM METASILICATE)

14.3. Transport hazard class(es)

ADR-Class:	8
ADR-Label:	8/80
IATA-Class:	8
IATA-Label:	8/80
IMDG-Class:	8

14.4. Packing group

ADR-Packing Group:	III

IATA-Packing group: III
IMDG-Packing group: III

14.5. Environmental hazards

14.6. Special precautions for user

ADR-Transport category (Tunnel restriction code): E
IATA-Passenger Aircraft: 852
IATA-Cargo Aircraft: 856
IMDG-Technical name: CORROSIVE LIQUID, BASIC, INORGANIC. N.O.S. (DISODIUM METASILICATE)
IMDG-EMS: F-A, S-B

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/699 (ATP 11 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:
Restriction 3
Restriction 40

Restrictions related to the substances contained:
Restriction 30

Insert solvent classes regulation
Class 3 5.0 %

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1
None

VOC (2004/42/EC) : 51 g/l

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

Hazard class and hazard category	Code	Description
Met. Corr. 1	2.16/1	Substance or mixture corrosive to metals, Category 1
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Met. Corr. 1, H290	On basis of test data
Skin Corr. 1A, H314	On basis of test data (pH)
Eye Dam. 1, H318	On basis of test data (pH)

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.

INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.