

Safety Data Sheet

TEAK WONDER BRIGHTENER

Safety Data Sheet dated 21/1/2022, version 7

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

- 1.1. Product identifier
Mixture identification:
Trade name: TEAK WONDER BRIGHTENER
Trade code: TWBR
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
Teak brightener - FOR LEISURE CRAFTS ONLY
Uses advised against:
All uses not listed in the recommended uses
- 1.3. Details of the supplier of the safety data sheet
Company:
BARKA s.r.l. Strada Padana Superiore, 256/266 – 20055 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:
Austria +43 1 31304 5620, **Belgium** +32022649636, **Bulgaria** +359 2 9154 409,
Croatia +38514686910, **Cyprus** +3572240561, **Czech Republic** +420267082257,
Denmark +45 72 54 40 00, **Estonia** +3726943384, **Finland** +358 5052 000,
France +33 3 85 21 92, **Germany** +49-30-18412-0, **Greece** +302106479250,
Hungary +34 (1) 476 1136, **Ireland** +35318092566, **Italy** +390649906140,
Latvia +371 67032600, **Lithuania** +370 70662008, **Luxembourg** +352 24785551,
Netherlands +31 88 75 585 61, **Norway** +47 21 07 70 00, **Poland** +48 42 2530 400,
Portugal +351213303271, **Romania** +40213183606, **Slovakia** +421 2 5465 2307,
Slovenia +38614006039, **Spain** +34 917689800, **Sweden** +46104566750,
United Kingdom (England or Wales) 0845 46 47 or **Scotland** 08454 24 24 24 (UK only).

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
EC regulation criteria 1272/2008 (CLP)
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
Adverse physicochemical, human health and environmental effects:
No other hazards
- 2.2. Label elements
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
Hazard pictograms:
None
Hazard statements:
None
Precautionary statements:
None
Special Provisions:
None
Product contents:
The product also contains:
Allergens:
Preservatives:

Safety Data Sheet

TEAK WONDER BRIGHTENER

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% hydrochloric acid ... %

Index number: 017-002-01-X, CAS: 7647-01-0, EC: 231-595-7

 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.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

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.

Safety Data Sheet

TEAK WONDER BRIGHTENER

- 5.2. Special hazards arising from the substance or mixture
 - Do not inhale explosion and combustion gases.
 - Burning produces heavy smoke.
- 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, inhalation of vapours and mists.
 - Don't use empty container before they have been cleaned.
 - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
 - Contaminated clothing should be changed before entering eating areas.
 - Do not eat or drink while working.
 - See also section 8 for recommended protective equipment.
- 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
 - hydrochloric acid ... % - CAS: 7647-01-0
 - EU - TWA(8h): 8 mg/m³, 5 ppm - STEL: 15 mg/m³, 10 ppm
 - ACGIH - STEL: Ceiling 2 ppm - Notes: A4 - URT irr
 - DNEL Exposure Limit Values
 - hydrochloric acid ... % - CAS: 7647-01-0
 - Worker Professional: 15 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Safety Data Sheet

TEAK WONDER BRIGHTENER

Worker Professional: 8 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

PNEC Exposure Limit Values

hydrochloric acid ... % - CAS: 7647-01-0

Target: Fresh Water - Value: 0.004 mg/l

Target: Marine water - Value: 0.004 mg/l

Target: Discontinuous use/release - Value: 0.045 mg/l

Target: Microorganisms in sewage treatments - Value: 0.004 mg/l

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

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:	Low viscosity fluid	--	--
Odour:	Characteristic	--	--
Odour threshold:	N.A.	--	--
pH:	2.1	--	--
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 (20°C)	--	--
Solubility in water:	100%	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--

Safety Data Sheet

TEAK WONDER BRIGHTENER

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 BRIGHTENER
 - a) acute toxicity
Not classified
Based on available data, the classification criteria are not met
 - b) skin corrosion/irritation
Not classified
Based on available data, the classification criteria are not met
 - c) serious eye damage/irritation
Not classified
Based on available data, the classification criteria are not met
 - 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

Safety Data Sheet

TEAK WONDER BRIGHTENER

- 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:

hydrochloric acid ... % - CAS: 7647-01-0

a) acute toxicity:

Test: ATE - Route: Inhalation > 20000 mg/m³

Test: ATE - Route: Skin > 2000 mg/kg

Test: ATE - Route: Oral > 5000 mg/kg

Test: LC50 - Route: Inhalation Fumes - Species: Rat = 45.6 mg/l - Duration: 300s

b) skin corrosion/irritation:

Test: Skin Corrosive - Route: Skin - Species: Rabbit Positive - Source: OECD 404 -

Notes: causes severe skin burns

c) serious eye damage/irritation:

Test: Eye Corrosive - Species: Rabbit Positive - Source: OECD 405 - Notes: causes serious eye damage

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Inhalation - Species: Mouse Positive - Source: OECD 406

f) carcinogenicity:

Test: Carcinogenicity - Species: Rat Negative - Source: 1985 (ECHA)

g) reproductive toxicity:

Test: Genotoxicity Negative

h) STOT-single exposure:

Species: Rat Positive

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

TEAK WONDER BRIGHTENER

Not classified for environmental hazards

Based on available data, the classification criteria are not met

hydrochloric acid ... % - CAS: 7647-01-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 3.5 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 0.45 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 0.73 mg/l - Duration h: 72

c) Bacteria toxicity:

Endpoint: EC50 - Species: activated mud, domestic = 0.23 mg/l

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

hydrochloric acid ... % - CAS: 7647-01-0

Bioaccumulation: Not bioaccumulative - Test: N.A. N.A. - Duration h: N.A. - Notes: N.A.

Safety Data Sheet

TEAK WONDER BRIGHTENER

- 12.4. Mobility in soil
N.A.
- 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. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

- 14.1. UN number
Not classified as dangerous in the meaning of transport regulations.
- 14.2. UN proper shipping name
N.A.
- 14.3. Transport hazard class(es)
N.A.
Special provisions: N.A.
- 14.4. Packing group
N.A.
- 14.5. Environmental hazards
Marine pollutant: No
N.A.
- 14.6. Special precautions for user
N.A.
- 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)
- 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:
No restriction.
 - Restrictions related to the substances contained:
Restriction 75
- Where applicable, refer to the following regulatory provisions :
Directive 2012/18/EU (Seveso III)

Safety Data Sheet

TEAK WONDER BRIGHTENER

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

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:
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
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3

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.
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).

Safety Data Sheet

TEAK WONDER BRIGHTENER

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.
