Safety Data Sheet
TEAK WONDER DRESSING & SEALER

Safety Data Sheet dated 16/6/2015, version 2

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

1.1. Product identifier

Mixture identification:

Trade name: TEAK WONDER DRESSING & SEALER

Trade code: TWDS

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

Recommended use:

Sealer for teak - 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, Flam. Liq. 3, Flammable liquid and vapour.


Warning, STOT SE 3, May cause drowsiness or dizziness.


Danger, Asp. Tox. 1, May be fatal if swallowed and enters airways.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Symbols:

Danger

Hazard statements:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

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.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P271 Use only outdoors or in a well-ventilated area.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...

P331 Do NOT induce vomiting.

P370+P378 In case of fire: Use ... to extinguish.

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

hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics
Distillates (petroleum), hydrotreated light; Kerosine - unspecified
Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha
ethylbenzene

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:

Qty	Name	Ident. Number	Classification
80% - 90%	hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	EC: 919-857-5 REACH No.: 01-2119463258-33	2.6/3 Flam. Liq. 3 H226 3.10/1 Asp. Tox. 1 H304 3.8/3 STOT SE 3 H336 EUH066
316 ppm	2-methoxy-1-methylethyl acetate	Index number: 607-195-00-7 CAS: 108-65-6 EC: 203-603-9 REACH No.: 01-2119475791-29	2.6/3 Flam. Liq. 3 H226
78 ppm	2-butoxyethyl acetate; butylglycol acetate	Index number: 607-038-00-2 CAS: 112-07-2 EC: 203-933-3 REACH No.: 01-2119475112-47-XXXX	3.1/4/Dermal Acute Tox. 4 H312 3.1/4/Inhal Acute Tox. 4 H332
20 ppm	xylene	Index number: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7 REACH No.: 01-2119488216-32	2.6/3 Flam. Liq. 3 H226 3.2/2 Skin Irrit. 2 H315 3.1/4/Dermal Acute Tox. 4 H312 3.1/4/Inhal Acute Tox. 4 H332
176 ppb	ethylbenzene	Index number: 601-023-00-4 CAS: 100-41-4 EC: 202-849-4 REACH No.: 01-2119489370-35	2.6/2 Flam. Liq. 2 H225 3.1/4/Inhal Acute Tox. 4 H332 3.9/2 STOT RE 2 H373 3.10/1 Asp. Tox. 1 H304

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.
Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediatley and dispose off safely.

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

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:
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.

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 all sources of ignition.
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.
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.
Contamined 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

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Cool and adequately ventilated.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

EU - LTE(8h): 275 mg/m3, 50 ppm - STE: 550 mg/m3, 100 ppm - Notes: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)

2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2

EU - LTE(8h): 133 mg/m3, 20 ppm - STE: 333 mg/m3, 50 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
ACGIH - LTE(8h): 20 ppm - Notes: A3 - Hemolysis

xylene - CAS: 1330-20-7

EU - LTE(8h): 221 mg/m3, 50 ppm - STE: 442 mg/m3, 100 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
ACGIH - LTE(8h): 100 ppm - STE: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS impair

ethylbenzene - CAS: 100-41-4

EU - LTE(8h): 442 mg/m3, 100 ppm - STE: 884 mg/m3, 200 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
ACGIH - LTE(8h): 20 ppm - Notes: A3, BEI - URT irr, kidney dam (nephropathy), cochlear impair

DNEL Exposure Limit Values

hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Worker Industry: 208 mg/kg - Consumer: 125 mg/kg - Exposure: Human Dermal - Frequency: Long Term (repeated)
Worker Industry: 871 03 - Consumer: 185 03 - Exposure: Human Inhalation - Frequency: Long Term (repeated)
Consumer: 125 mg/kg - Exposure: Human Oral - Frequency: Long Term (repeated)

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Worker Industry: 153.5 mg/kg - Consumer: 54.8 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: peso corporeo/giorno

Worker Industry: 275 03 - Consumer: 33 03 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 1.67 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Notes: peso corporeo/giorno

PNEC Exposure Limit Values

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Target: Fresh Water - Value: 0.635 mg/l
Target: Marine water - Value: 0.0635 mg/l
Target: Discontinuous use/release - Value: 6.35 mg/l
Target: Microorganisms in sewage treatments - Value: 100 mg/l
Target: Freshwater sediments - Value: 3.29 mg/kg - Notes: peso secco
Target: Marine water sediments - Value: 0.329 mg/kg - Notes: peso secco
Target: Soil (agricultural) - Value: 0.29 mg/kg - Notes: peso secco

8.2. Exposure controls

Eye protection:

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

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:

Use adequate protective respiratory equipment.

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:	Hydrocarbon	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	145°C	--	--
Flash point:	35 ° C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	3,5-3,7	--	--
Relative density:	7,8-8,0 g/ml	--	--
Solubility in water:	insolubile	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	>200°C	--	--

Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	non miscibile	--	--
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 catch fire on contact with oxidising mineral acids.
10.4. Conditions to avoid
Stable under normal conditions.
10.5. Incompatible materials
Avoid contact with combustible materials. The product could catch fire.
10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological information of the mixture:
N.A.
Toxicological information of the main substances found in the mixture:
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics
a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat > 4951 mg/m3 - Duration: 4h
Test: LD50 - Route: Oral - Species: Rat > 15000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 3160 mg/kg
g) reproductive toxicity:
Test: NOAEL - Route: Inhalation - Species: Rat >= 5220 mg/m3
2-methoxy-1-methylethyl acetate - CAS: 108-65-6
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 8532 mg/kg
Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg
Test: LC50 - Route: Inhalation Vapour - Species: Rat > 23.8 mg/l - Duration: 6h
b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Negative
c) serious eye damage/irritation:
Test: Eye Irritant - Species: Rabbit Negative - Notes: Leggermente irritante
d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin - Species: Guinea Pig Negative - Notes: Test Magnusson/Kligman.
e) germ cell mutagenicity:
Test: Mutagenesis Negative
2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2
a) acute toxicity:
Test: LD50 - Route: Skin - Species: Rat = 1580 mg/kg

xylene - CAS: 1330-20-7
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 5000 mg/kg
ethylbenzene - CAS: 100-41-4
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 3500 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 5000 mg/kg
Test: LCLO - Route: Inhalation - Species: Rat = 4000 ppm - Duration: 4h - Notes: Nocivo se inalato
b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Negative - Notes: Leggermente irritante
c) serious eye damage/irritation:
Test: Eye Irritant - Species: Rabbit Negative - Notes: Leggermente irritante

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:
a) acute toxicity;
b) skin corrosion/irritation;
c) serious eye damage/irritation;
d) respiratory or skin sensitisation;
e) germ cell mutagenicity;
f) carcinogenicity;
g) reproductive toxicity;
h) STOT-single exposure;
i) STOT-repeated exposure;
j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 24
Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 72
Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 24
2-methoxy-1-methylethyl acetate - CAS: 108-65-6
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: Metodo: Linee Guida 203 per il Test dell'OECD.
Endpoint: EC50 - Species: Daphnia > 500 mg/l - Duration h: 48 - Notes: Specie: Daphnia magna (pulce d'acqua grande). Metodo: Dir. 67/548/CEE, All. V, C.2.
Endpoint: EC50r - Species: Algae > 1000 mg/l - Duration h: 72 - Notes: Specie: Pseudokirchneriella subcapitata (alghe cloroficee). Metodo: OECD TG 201.
c) Bacteria toxicity:
Endpoint: EC20 - Species: DOMESTIC ACTIVE MUDD > 1000 mg/l - Duration h: 0.5 - Notes: Metodo: OECD TG 209.
ethylbenzene - CAS: 100-41-4
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 4.2 mg/l - Duration h: 96 - Notes: Specie: Oncorhyncus mykiss (Trota iridea).
Endpoint: EC50 - Species: Daphnia = 1.8 mg/l - Duration h: 48 - Notes: Specie: Daphnia magna (pulce d'acqua grande).
Endpoint: EC50r - Species: Algae = 4.6 mg/l - Duration h: 72 - Notes: Specie: Pseudokirchneriella subcapitata (alghe cloroficee).
c) Bacteria toxicity:
Endpoint: EC0 = 12 mg/l - Notes: Specie: Pseudomonas putida
12.2. Persistence and degradability

2-methoxy-1-methylethyl acetate - CAS: 108-65-6
Biodegradability: Readily biodegradable - Test: N.A. - Duration h: 8d - %: 100 - Notes: Metodo: OECD TG 302 B.
Biodegradability: Readily biodegradable - Test: N.A. - Duration h: 28d - %: 90 - Notes: Metodo: OECD TG 301 F.
ethylbenzene - CAS: 100-41-4
Biodegradability: Readily biodegradable - Test: N.A. - Duration h: 28d - %: 70-80 - Notes: N.A.

12.3. Bioaccumulative potential
N.A.
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

ADR-UN number:	1263
IATA-Un number:	1263
IMDG-Un number:	1263

14.2. UN proper shipping name
14.3. Transport hazard class(es)

ADR-Class:	3 PAINT or PAINT RELATED MATERIAL
ADR-Label:	3/30
IATA-Class:	3 PAINT or PAINT RELATED MATERIAL
IATA-Label:	3/30
IMDG-Class:	3 PAINT or PAINT RELATED MATERIAL

14.4. Packing group

ADR-Packing Group:	III
IATA-Packing group:	III
IMDG-Packing group:	III

14.5. Environmental hazards

Marine pollutant:	No

14.6. Special precautions for user

ADR-Tunnel Restriction Code:	D/E
IATA-Passenger Aircraft:	355
IATA-Cargo Aircraft:	366
IMDG-EMS:	F-E, S-E

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
N.A.
14.8. LIMITED QUANTITY: 5 L

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) n. 453/2010 (Annex II)

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)

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 28
Restriction 29

None

Insert solvent classes regulation

None

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.
Regulation (EC) nr 648/2004 (detergents).
1999/13/EC (VOC directive)

Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II):

Product belongs to category: 6.

VOC (2004/42/EC) : N.A. g/l

Not subject to Dir. 2004/42/CE

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
EUH066 Repeated exposure may cause skin dryness or cracking.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H315 Causes skin irritation.
H225 Highly flammable liquid and vapour.
H373 May cause damage to organs through prolonged or repeated exposure.

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
CCNL - Appendix 1
Insert further consulted bibliography

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).
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.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.