

<b>SECTION 1</b>	<b>IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING</b>	<b>*</b>
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**1.1. Product identifier**

Product name : STAR BRITE PREMIUM GOLDEN TEAK OIL  
Product code : 851XX

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

Application : SU21 Consumer product. Wood maintenance.

**1.3. Details of the supplier of the safety data sheet**

Supplier : Star Brite Europe Inc.  
86 bis route de Brignais  
69630 Chaponost, France  
Telephone : +33-478-56-77-80  
Fax : +33-472-39-97-96  
E-mail : jp.kitzinger@starbrite-europe.com  
Website : www.starbrite.com

**1.4. Emergency telephone number**

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:  
FR - Telephone : +33-478-56-77-80 (During office hours only)  
EMERGENCY TELEPHONE NUMBER (for DOCTORS only):  
National Poisons Information Service +44-844 892 0111 (24/7)

<b>SECTION 2</b>	<b>HAZARDS IDENTIFICATION</b>	<b>*</b>
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**2.1. Classification of the substance or mixture**

CLP classification : Aspiration hazard, category 1.  
(1272/2008/EC)  
Human health hazards : May be fatal if swallowed and enters airways. Repeated exposure may cause skin dryness or cracking.  
Physical/chemical hazards : Not classified as dangerous according to statutory EC-Directives. Combustible.  
Environmental hazards : Not classified as dangerous according to statutory EC-Directives.  
Other information : Keep out of the reach of children. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**2.2. Label elements**

Label elements (1272/2008/EC):  
Hazard pictograms :



Signal word : Danger  
H- and P-phrases : H304 May be fatal if swallowed and enters airways.  
EUH066 Repeated exposure may cause skin dryness or cracking.  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P331 Do NOT induce vomiting.

P405 Store locked up.  
P501 Dispose of contents/container to an official chemical waste depot.

Additional labelling (99/45/EC and/or 1272/2008/EC)

- : Contains: Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclics, < 2% aromatics .
- : 27 % of the mixture consists of ingredient(s) of unknown toxicity.

Other information : According to directive 99/45/EC, the packaging of this product shall carry a tactile warning of danger and a child resistant closure. According to regulation (EC) 1272/2008, Annex II, part 3, the packaging of this product shall carry a tactile warning of danger and a child-resistant fastening.

**2.3. Other hazards**

Other information : Does not contain PBT or vPvB substances.

<b>SECTION 3</b>	<b>COMPOSITION / INFORMATION ON INGREDIENTS</b>	*
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**3.2. Mixtures**

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Remark	REACH nr.
Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	50 - 75	-----	926-141-6		01-2119456620-43
Solvent naphtha (petroleum), light aromatic	0,1 - < 1	64742-95-6	265-199-0		

Occupational exposure limit(s), if relevant, are listed in section 8.

Substance name	Hazard Class	H-phrases	Pictograms	
Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	Asp. Tox. 1	H304; EUH066	GHS08	
Solvent naphtha (petroleum), light aromatic	Asp. Tox. 1; Aquatic Chronic 2; STOT SE 3; Flam. Liq. 3	H226; H304; H335; H336; H411; EUH066	GHS02; GHS07; GHS08; GHS09	

Reference is made to chapter 16 for full text of each relevant H phrase.

<b>SECTION 4</b>	<b>FIRST-AID MEASURES</b>	*
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**4.1. Description of first aid measures**

First aid measures

- Inhalation : Move victim into fresh air. Consult a doctor if victim feels unwell.
- Skin contact : Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up. Consult a doctor if irritation persists.
- Eye contact : Wash out with (lukewarm) water for at least 15 minutes. Remove contact lenses. Consult a doctor if irritation persists.
- Ingestion : Do not induce vomiting. Give nothing to drink. Do rinse the mouth. As necessary give 1 or 2 soup spoons of laxative (sodium sulphate). Never give anything by mouth to an unconscious person. Consult a doctor immediately if victim feels unwell.

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

Effects and symptoms

- Inhalation : May cause headache, dizziness and a feeling of sickness.
- Skin contact : Repeated exposure may cause skin dryness or cracking.
- Eye contact : May cause stinging of eyes and redness.

Ingestion : May cause a feeling of sickness, vomiting and diarrhoea. May cause lung damage, sore throat and lack of breath.

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

Note to physicians : None known.

### SECTION 5 FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

Extinguishing media

Suitable : Carbondioxide (CO<sub>2</sub>). Foam. Dry chemical. Water fog.  
Not suitable : Water jet.

#### 5.2. Special hazards arising from the substance or mixture

Special exposure hazards : Will float on water and can be reignited.  
Hazardous thermal decomposition products : Carbon monoxide may be evolved if incomplete combustion occurs.

#### 5.3. Advice for firefighters

Special protective equipment for fire-fighters : Use adequate respiratory equipment in case of insufficient ventilation.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with spilled or released material. Vapours are heavier than air. Build up (of gasses) in low areas involves risk of suffocation.

#### 6.2. Environmental precautions

Environmental precautions : Avoid release of product into sewers, surface water and/or ground water. In case of large spills: contain with dike.  
Other information : Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Wash away remainder with plenty of water and soap.

#### 6.4. Reference to other sections

Reference to other sections : See also section 8.

### SECTION 7 HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Keep away from sources of ignition — No smoking. Do not breathe vapour. Avoid contact with skin and eyes.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep frost-free, in a cool, dry and well-ventilated place (< 35 °C). Keep away from oxidizing agents.  
 Recommended packaging : Keep only in the original container.  
 Non recommended packaging : PE and PP.

**7.3. Specific end use(s)**

Use : Use only as directed.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION** \*

**8.1. Control parameters**

Occupational exposure limits : Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

Workplace exposure limits (mg/m<sup>3</sup>):

Chemical name	Country	TWA 8 hour (mg/m <sup>3</sup> )	STEL 15 min (mg/m <sup>3</sup> )	Comments
Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclics, < 2% aromatics		1200	-	CEFIC-HSPA
Solvent naphtha (petroleum), light aromatic		100	-	

**8.2. Exposure controls**

Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals.

Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.

Body protection : Use of specific protective industrial clothing is not required under normal conditions of use. In case of large scale exposure wear suitable protective clothing, overalls or suit, and similar boots. Suitable material: nitril. Indication of permeation breakthrough time: 6 hours.

Respiratory protection : Take care of sufficient ventilation. Wear suitable respiratory protection in case of large scale exposure. Suitable: gas filter type A (brown), class I or higher on e.g. a facemask in accordance with EN 140.

Hand protection : Under normal conditions of use specific gloves are not required. Wear appropriate gloves in case of frequent or prolonged use and in case of large scale exposure. Suitable material: nitril. ± 0,5 mm. Indication of permeation breakthrough time: 6 hours.

Eye protection : Wear appropriate safety glasses when there is danger of possible eye contact.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES** \*

**9.1. Information on basic physical and chemical properties**

Appearance : Liquid.  
 Colour : Light brown.  
 Odour : Characteristic.  
 Odour threshold : Not known.  
 pH : Not applicable. Waterfree product.  
 Solubility in water : Not soluble.  
 Partition coefficient (n-octanol/water) : Not known.  
 Flash point : 65 °C Closed Cup (ISO 2719, EN 11, DIN 51758, ASTM D 93)  
 Flammability (solid, gas) : Not applicable. Liquid. See flashpoint.

Auto ignition temperature	: > 207 °C	
Boiling point/boiling range	: 149 °C	
Melting point/melting range	: < 0 °C	
Explosive properties	: None known.	Does not contain explosives.
Explosion limits (% in air)	: Not known.	Lower explosion limit in air (%): 0,6 ( Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclics, < 2% aromatics )
	:	Upper explosion limit in air (%): 5,5
Oxidising properties	: Not applicable.	Does not contain oxidizing substances.
Decomposition temperature	: Not applicable.	
Viscosity (20°C)	: < 7 mm <sup>2</sup> /sec	(1 mm <sup>2</sup> /sec = 1cSt)
Viscosity (40°C)	: < 7 mm <sup>2</sup> /sec	
Vapour pressure (20°C)	: Not known.	
Vapour density (20°C)	: > 1	(air = 1)
Relative density (20°C)	: 0,8 g/ml	
Evaporation rate	: Not known.	(n-butyl acetate = 1)

<b>SECTION 10 STABILITY AND REACTIVITY</b>
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**10.1. Reactivity**

Reactivity : See sub-sections below.

**10.2. Chemical stability**

Stability : Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Reactivity : No other hazardous reactions known.

**10.4. Conditions to avoid**

Conditions to avoid : See section 7.

**10.5. Incompatible materials**

Materials to avoid : Keep away from oxidizing agents.

**10.6. Hazardous decomposition products**

Hazardous decomposition products : Not known.

<b>SECTION 11 TOXICOLOGICAL INFORMATION</b>	*
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**11.1. Information on toxicological effects**

No toxicological research has been carried out on this product.

**Inhalation**

Acute toxicity	: Calculated LC50: > 6,715 mg/l. Ingredients of unknown toxicity: 27 %. ATE: > 5 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met. May cause headache, dizziness and a feeling of sickness.
Corrosion/irritation	: Not classified - based on available data, the classification criteria are not met.
Sensitisation	: Does not contain substances classified as respiratory sensitiser. Not classified - based on available data, the classification criteria are not met.
Carcinogenicity	: Not classified - based on available data, the classification criteria are not met.
Mutagenicity	: Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

**Skin contact**

- Acute toxicity : Calculated LD50: > 2709 mg/kg.bw. Ingredients of unknown toxicity: 27 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : Slight irritation possible. Repeated exposure may cause skin dryness or cracking. Prolonged contact may dry out and defat the skin. Not classified - based on available data, the classification criteria are not met.
- Sensitisation : Does not contain skin sensitisers. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
  
- Eye contact
  - Corrosion/irritation : Slight irritation possible. Not classified - based on available data, the classification criteria are not met.
  
- Ingestion
  - Acute toxicity : Calculated LD50: > 3596 mg/kg.bw. Ingredients of unknown toxicity: 27 %. ATE: > 2000 mg/kg.bw. After ingestion, at vomiting, risk of aspiration in the lungs. May cause lung damage, sore throat and lack of breath. May cause bronchopneumonia.
  - Corrosion/irritation : May cause a feeling of sickness, stomachache, vomiting and diarrhoea. Not classified - based on available data, the classification criteria are not met.
  - Carcinogenicity : Not classified - based on available data, the classification criteria are not met.
  - Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Method	Test animal
Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	NOAEL (development) - estimate	Not teratogenic	----	----
	NOAEL (fertility) - estimate	Not reprotoxic	----	----
	LD50 (dermal)	> 2000 mg/kg bw	OECD 402	Rat
	Skin irritation	Non-irritant	OECD 404	Rabbit
	Eye irritation	Non-irritant	OECD 405	Rabbit
	Skin sensitisation	Not sensitizing	OECD 406	----
	LD50 (oral)	> 5000 mg/kg bw	OECD 401	Rat
	LC50 (inhalation) - estimate	> 5000 mg/m3	----	----
	LC50 (inhalation)	> 4950 mg/m3	OECD 403	Rat
	NOAEL (inhalation) - estimate	> 2200 mg/m3	Read across	Rat
	NOAEL (oral) - estimate	> 5500 mg/kg bw/d	Read across	Rat
	Mutagenicity - estimate	Not mutagenic	Read across	
	Respiratory irritation - estimate	Non-irritant		
	NOEL (carcinogenicity) - estimate	Not carcinogenic		

**SECTION 12 ECOLOGICAL INFORMATION**

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**12.1. Toxicity**

No ecotoxicological research has been carried out on this product.

- Ecotoxicity : Calculated LC50 (fish): 369 mg/l. Calculated EC50 (waterflea): 369 mg/l. Contains 27 % of components with unknown hazards to the aquatic environment. Not classified - based on available data, the classification criteria are not met. May form an oil film on the water surface causing a decline in oxygen content with possible adverse effects for aquatic organisms.

### 12.2. Persistence and degradability

Persistence – degradability : No specific information known.

### 12.3. Bioaccumulative potential

Bioaccumulative potential : No specific information known.

### 12.4. Mobility in soil

Mobility : Adsorbs to soil and has low mobility. Floats on water.

### 12.5. Results of PBT and vPvB ass

PBT/vPvB assessment : Does not contain PBT or vPvB substances.

### 12.6. Other adverse effects

Other information : Not applicable.

## SECTION 13 DISPOSAL CONSIDERATIONS

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### 13.1. Waste treatment methods

Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.

Additional warning : None.

European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.

Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

## SECTION 14 TRANSPORT INFORMATION

### 14.1. UN number

UN nr. : None.

### 14.2. UN proper shipping name

Transport name : Not regulated.

### 14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID (road / railway)

Class : This product is not classified according to ADR/RID.

IMDG (sea)

Class : This product is not classified according to IMDG.

Marine pollutant : No

IATA (air)

Class : This product is not classified according to IATA.

### 14.6. Special precautions for user

Other information : Country specific variations may apply.

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

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments. Packaged liquids are not considered bulk.

**SECTION 15 REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Community regulations : Regulation (EC) No 453/2010 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations.

**15.2. Chemical safety assessment**

Chemical safety assessment : Not applicable.

**SECTION 16 OTHER INFORMATION**

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**16.1. Other information**

The information in this safety data sheet is compiled in compliance with Regulation (EC) No 453/2010 dated 20 May 2010 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (\*).

Full text of H-phrases mentioned in section 3:

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Full text of hazard classes mentioned in section 3:

Flam. Liq. 3	: Flammable liquid, hazard category 3.
STOT SE 3	: Specific target organ toxicity after single exposure, category 3.
Asp. Tox. 1	: Aspiration hazard, category 1.
Aquatic Chronic 2	: Hazardous to the aquatic environment — Chronic category 2.

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

ADR	: European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	: Acute Toxicity Estimate
CLP	: Classification, Labeling & Packaging
CMR	: Carcinogenic, Mutagenic or toxic for Reproduction
EEC	: European Economic Community
IATA	: International Air Transport Association
IBC code	: International Bulk Chemical Code
IMDG	: International Maritime Dangerous Goods Code
LD50/LC50	: Lethal Dose/Concentration for 50% of a population
MAC	: Maximum Allowable Concentration
MARPOL	: International Convention for the Prevention of Pollution From Ships
NO(A)EL	: No Observed (Adverse) Effect Level
OECD	: Organisation for Economic Co-operation and Development
PBT	: Persistent, Bioaccumulative and Toxic
PC	: Chemical product category
PT	: Product type
REACH	: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	: Regulations concerning the International Carriage of Dangerous Goods by Rail



STP : Sewage Treatment Plant  
SU : Sector of Use  
TWA/STEL : Time-Weighted Average/Short Term Exposure Limit  
UN : United Nations  
VOC : Volatile Organic Compounds  
vPvB : Very Persistent and Very Bioaccumulative  
Number format : "," used as decimal separator.

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History

Date of first issue : 05-06-2011  
Date of second issue : 05-03-2013  
Date of third issue : 23-03-2015

Herewith all previous issues are expired.