

COVERAGE FOR SWITZERLAND

SECTION 1	DESIGNATION OF THE MIXTURE AND THE COMPANY
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1.1 Product identifier

Product name : TEAK-RENOVIERER SEA-SAFE
Item number : 89750
UFI : WFJ0-H8EC-Y000-FH8X

1.2 Uses of the mixture

SU21 Consumer product, Boat and ship maintenance

1.3 Details about the supplier

Supplier : TELL's Power AG
Bahnhofweg 2 + 4
CH-6405 Immensee

Phone : 041 850 77 44
E-Mail : info@tellspower.ch
Website : www.tellspower.ch

1.4 Emergency number

EMERGENCY PHONE TOX Center: **145** (24 hrs.)

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING *

1.1. Product identifier

Product name : STAR BRITE SEA SAFE TEAK CLEANER & BRIGHTENER
Product code : 89750

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

Application : SU21 Consumer product. PC35 Cleaning agent. 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:

Telephone : 144, 118, 117

EMERGENCY TELEPHONE NUMBER (for DOCTORS only):

National Poisons Information Service 145 (24/7)

SECTION 2 HAZARDS IDENTIFICATION *

2.1. Classification of the substance or mixture

CLP classification : Skin irritation, category 2. Serious eye damage, category 1.
(1272/2008/EC)

Human health hazards : Causes skin irritation. Causes serious eye damage.
Physical/chemical hazards : Not classified as dangerous according to statutory EC-Directives.
Environmental hazards : Not classified as dangerous according to statutory EC-Directives.

2.2. Label elements

Label elements (1272/2008/EC):

Hazard pictograms :



Signal word : Danger

H- and P-phrases	: H315 Causes skin irritation. : H318 Causes serious eye damage. : P101 If medical advice is needed, have product container or label at hand. : P102 Keep out of reach of children. : P280 hands Wear protective gloves and eye protection. eyes : P305 + P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact + P338 lenses, if present and easy to do. Continue rinsing. : P310 Immediately call a POISON CENTER/doctor.
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Additional labelling

: Contains: Oxalic acid ; Glycolic acid ; Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts .

Ingredient declaration according to Regulation 648/2004:

Contains:	Concentration (%)
Anionic surfactants	< 5
Methylchloroisothiazolinone, Methylisothiazolinone	

2.3. Other hazards

Other information : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Remark	REACH nr.
Oxalic acid	3 - < 10	144-62-7	205-634-3		
Glycolic acid	5 - < 10	79-14-1	201-180-5		
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	1 - < 3	68439-57-6	270-407-8		

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

Substance name	Hazard Class	H-phrases	Pictograms
Oxalic acid	Acute Tox. 4; Eye Dam. 1	H302; H312; H318	GHS05; GHS07
Glycolic acid	Acute Tox. 4; Skin Corr. 1B; Eye Dam. 1	H332; H314; H318	GHS05; GHS07
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Skin Irrit. 2; Eye Dam. 1	H315; H318	GHS05

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

SECTION 4 FIRST-AID MEASURES

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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 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 immediately.
- Ingestion : Do not induce vomiting. Rinse the mouth, give 1 glass of water at most. Do not give milk. Never give anything by mouth to an unconscious person. Consult a doctor immediately.

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

Effects and symptoms

- Inhalation : Irritant. May cause headache, dizziness and a feeling of sickness.
- Skin contact : Irritant. May cause dry skin and redness.
- Eye contact : Strongly irritant. Irreversible effects on the eye/serious damage to eyes. May cause redness and severe pain.

Ingestion : Irritant. May cause a feeling of sickness, vomiting and diarrhoea.

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 (CO₂). Foam. Dry chemical. Water fog.

Not suitable : None known.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards : None known.

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. Carefully neutralise residues with soda. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Wash away remainder with plenty of water.

6.4. Reference to other sections

Reference to other sections : See also section 8.

SECTION 7 HANDLING AND STORAGE

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7.1. Precautions for safe handling

Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Do not breathe vapour. Avoid contact with skin and eyes. Avoid splashing. Wear protective clothing.

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 : Steel (except stainless steel).

7.3. Specific end use(s)

Use : Use only as directed. Do not mix with other products.

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/m³):

Chemical name	Country	TWA 8 hour (mg/m ³)	STEL 15 min (mg/m ³)	Comments
Oxalic acid	GB	1	2	-
Oxalic acid	EC	1	-	-

Derived no-effect level (DNEL) for workers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
Oxalic acid	Dermal	0,69 mg/kg bw			2,29 mg/kg bw/day
Glycolic acid	Inhalation				4,03 mg/m ³
	Dermal			57,69 mg/kg bw/day	
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Inhalation	9,2 mg/m ³	9,2 mg/m ³	1,53 mg/m ³	10,56 mg/m ³
	Dermal				2158,33 mg/kg bw/day
	Inhalation				152,22 mg/m ³

Derived no-effect level (DNEL) for consumers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
Oxalic acid	Dermal	0,35 mg/kg bw			1,14 mg/kg bw/day
Glycolic acid	Oral				1,14 mg/kg bw/day
	Dermal	2,3 mg/kg bw	2,3 mg/kg bw		28,85 mg/kg bw/day
	Inhalation				2,6 mg/m ³
	Oral				0,75 mg/kg bw/day

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
Oxalic acid	Water	0,1622 mg/l	0,0162 mg/l	
	Intermittent water STP			1,622 mg/l 1550 mg/l
Glycolic acid	Water	0,0312 mg/l	0,0031 mg/l	
	Sediment	0,115 mg/kg	0,0115 mg/kg	
	Intermittent water			0,312 mg/l
	STP			7 mg/l
	Soil			0,007 mg/kg
	Oral			16,66 mg/kg food
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Water	0,042 mg/l	0,0042 mg/l	
	Sediment	2,025 mg/kg	0,02025 mg/kg	

	Intermittent water		0,042 mg/l
	STP		4 mg/l
	Soil		0,0061 mg/kg

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 for momentary use. Wear suitable protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345 in case of frequent or prolonged use and in case of large scale exposure. Suitable material: neoprene. 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 : Wear appropriate safety gloves in accordance with EN 374. Suitable material: neoprene. ± 0,5 mm. Indication of permeation breakthrough time: 6 hours.
- Eye protection : Wear appropriate safety glasses with side shields, in accordance with EN 166.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	: Liquid.	
Colour	: Colourless.	
Odour	: Characteristic.	
Odour threshold	: Not known.	
pH	: 1,6	
Acid reserve (g NaOH/100 ml)	: 10	
Solubility in water	: Soluble.	
Partition coefficient (n-octanol/water)	: Not applicable.	Contains surfactants. The O/W system emulsifies.
Flash point	: > 100 °C	
Flammability (solid, gas)	: Not applicable.	Liquid. See flashpoint.
Auto ignition temperature	: > 325 °C	
Boiling point/boiling range	: 100 °C	
Melting point/melting range	: 0 °C	
Explosive properties	: None known.	Does not contain explosives.
Explosion limits (% in air)	: Not known.	
Oxidising properties	: Not applicable.	Does not contain oxidizing substances.
Decomposition temperature	: Not applicable.	
Viscosity (20°C)	: 1 mm ² /sec	(1 mm ² /sec = 1cSt)
Viscosity (40°C)	: < 7 mm ² /sec	
Vapour pressure (20°C)	: Not known.	
Vapour density (20°C)	: > 1	(air = 1)
Relative density (20°C)	: 1 g/ml	
Evaporation rate	: < 1	(n-butyl acetate = 1)

SECTION 10 STABILITY AND REACTIVITY
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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 : Reacts vigorously in contact with alkalines. Strong heat development possible.

10.4. Conditions to avoid

Conditions to avoid : See section 7.

10.5. Incompatible materials

Materials to avoid : Keep away from bases. Keep away from oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products : Not known.

SECTION 11 TOXICOLOGICAL INFORMATION	*
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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: > 10 mg/l. Ingredients of unknown toxicity: 10 %. 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: > 5000 mg/kg.bw. Ingredients of unknown toxicity: 7 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : Product is not classified as corrosive based on results of an in vitro test. Irritant. May cause redness. Prolonged contact may dry out and defat the skin.
- Sensitisation : 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 : Risk of serious damage to eyes.

Ingestion

- Acute toxicity : Calculated LD50: > 3683 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Aspiration : Not classified - based on available data, the classification criteria are not met. Does not contain substances with an aspiration hazard.

- Corrosion/irritation : May cause a feeling of sickness, vomiting and diarrhoea.
 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.
 Reprotoxicity : Development: Not expected to be reprotoxic. Development: Not classified - Based on available data, the classification criteria are not met. Fertility: not expected to be reprotoxic. Fertility: Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Method	Test animal	
Oxalic acid	LD50 (dermal) - estimate	500 mg/kg bw	-----	-----	
	LD50 (oral)	375 mg/kg bw	-----	Rat	
	Skin irritation	Mildly irritant	OECD 404	Rabbit	
	NOEL (carcinogenicity, oral)	Not carcinogenic			
	LD50 (dermal)	20000 mg/kg bw	-----	Rabbit	
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium	
	Genotoxicity - in vitro	Not genotoxic	OECD 473	-----	
	Skin sensitisation	Not sensitizing			
	Eye irritation	Irritant	OECD 405	Rabbit	
	Glycolic acid	NOEL (carcinogenicity, dermal)	Not carcinogenic		Mouse
Genotoxicity - in vitro		Not genotoxic	OECD 473	Chinese Hamster	
Genotoxicity - in vivo		Not genotoxic	OECD 475	Rat	
Skin irritation		Corrosive.		Rabbit	
Eye irritation		Corrosive.		Rabbit	
LC50 (inhalation)		2520 mg/m3		Rat	
Skin sensitisation		Not sensitizing	OECD 406	Guinea pig	
LD50 (oral)		2040 mg/kg bw	-----	Rat	
NOAEL (inhalation)		160 mg/m3		Mouse	
NOAEL (fertility, oral)		600 mg/kg bw/d	OECD 415	Rat	
NOAEL (development, oral)		150 mg/kg bw/d	OECD 414	Rat	
NOAEL (oral)		150 mg/kg bw/d	OECD 408	Rat	
Mutagenicity		Negative	OECD 471	Salmonella typhimurium	
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		LD50 (dermal)	> 2000 mg/kg bw		Rat
		LD50 (oral)	578 mg/kg bw	OECD 401	Rat
		Skin irritation	Irritant	OECD 404	
	Eye irritation	Severely irritant	OECD 405		
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig	
	NOAEL (oral)	93 mg/kg bw/d		Rat	
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium	
	Genotoxicity - in vitro	Not genotoxic	OECD 473		
	NOEL (carcinogenicity, dermal)	Not carcinogenic		Rat	
	NOEL (carcinogenicity, oral)	195 mg/kg bw/d		Rat	
	NOAEL (development, oral)	2 mg/kg bw/d		Mouse	
	NOAEL (fertility, oral)	2 mg/kg bw/d		Mouse	
	LC50 (inhalation)	> 52000 mg/m3		Rat	

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Calculated LC50 (fish): 55 mg/l. Calculated EC50 (waterflea): 53 mg/l. Contains 2 % of components with unknown hazards to the aquatic environment. Not classified - based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Persistence – degradability : No specific information known. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential : No specific information known.

12.4. Mobility in soil

Mobility : If product enters soil, it will be highly mobile and may contaminate groundwater.

12.5. Results of PBT and vPvB ass

PBT/vPvB assessment : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

12.6. Other adverse effects

Other information : Not applicable.

SECTION 13 DISPOSAL CONSIDERATIONS

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

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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/ADN (road/railway/inland waterways)

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

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

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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.
: This product is exempted from classification as "Corrosive" on basis of section 3.2.3.1.2. of Annex I of Regulation EC No. 1272/2008.

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:

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H332	Harmful if inhaled.

Full text of hazard classes mentioned in section 3:

Acute Tox. 4	: Acute toxicity, category 4.
Skin Corr. 1A/B/C	: Skin corrosive, category 1A/B/C.
Skin Irrit. 2	: Skin irritation, category 2.
Eye Dam. 1	: Serious eye damage, category 1.

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.

End of safety data sheet.