

1 IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name : Star brite Teak Cleaner - 814XX
 Application : Wood maintenance. Cleaner.

Manufacturer : Star brite Distributing, Inc.
 Address : 4041 S. W. 47 Avenue
 Ft. Lauderdale, FL 33314
 Telephone : +001- 954-587-6280

Distributor : Star brite Europe Inc.
 Contact : Jean Paul Kitzingler

Telephone : +33- 472- 57 01 33
 Fax : +33- 472- 57 04 93

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:



: 001-703-527-3887 - CHEMTREC

2 COMPOSITION / INFORMATION ON CONSTITUENTS

Product description : Preparation.

Information on hazardous substances:

EC-name	Concentration (w/w) (%)	CAS-number	EC-number	Symbols	R-phrases
Sodium hypochlorite 12,5%	5 – 10	7681-52-9	231-668-3	C, N	31-34-50
Nonylphenol, ethoxylated phosphate ester	1 – 5	51811-79-1		Xi	38-41
Alcohols, C9-11, ethoxylated (6 EO)	1 – 5	68439-46-3	Polymer	Xn	22-41
Sodium hydroxide	< 1	1310-73-2	215-185-5	C	35

Reference is made to chapter 16 for full text of each relevant R phrase. Occupational exposure limit(s), if relevant, are listed in section 8.

3 HAZARD INFORMATION

Classification : Irritant.

Human health hazards : Irritating to skin. Risk of serious damage to eyes.

Physical/chemical hazards : Do not use together with other products. May release dangerous gases. Reacts vigorously in contact with reducing agents, acids and flammable substances. Strong heat development possible.

Environmental hazards : Not classified as dangerous on the basis of statutory EC-Directives. See also section 12.

Other information : Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection. If swallowed, seek medical advice immediately and show this container or label.

4 FIRST AID MEASURES

Effects and symptoms

Inhalation : May cause sore throat, coughing and lack of breath.

Skin contact : Irritant. May cause dry skin and redness.

Eye contact : Strong irritant. May cause redness and severe pain.

Ingestion : Sore throat. May cause a feeling of sickness, vomiting, stomachache and diarrhoea.

First aid measures

Inhalation : Move victim into fresh air. Seek medical advice if victim feels unwell.

Skin contact : Immediately 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.



MATERIAL SAFETY DATA SHEET

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

5 FIRE FIGHTING MEASURES

Extinguishing media
 Suitable : Foam, water fog or dry chemical.
 Not suitable : Avoid use of CO2
 Special exposure hazards : Reacts violently with flammable and reducing agents with risk of explosions. Water may be used to cool containers.
 Hazardous thermal (de)composition products : Carbon monoxide may be evolved if incomplete combustion occurs.
 Special protective equipment for fire-fighters : Use self-contained breathing apparatus/ compressed air mask.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with nonslip soles. See also section 8.
 Environmental precautions : Avoid release of product into sewers, surface water and/or ground water. Large scale discharge causing a very high pH may impair the biological system in sewage plants. Inform official bodies if necessary.
 Methods for cleaning up : Collect spilled material in containers. Absorb residues in inert material (not sawdust). Dispose at an authorised waste collection point. Wash away remainder with plenty of water.

7 HANDLING AND STORAGE

Handling : Handle in accordance with good occupational hygiene and safety practices in well ventilated areas.
 Avoid splashing. Wear industrial clothing. Avoid contact with eyes and skin. Do not inhale vapours.
 Storage : Keep frost-free, in a cool (< 35°), dry and well ventilated place. Keep away from oxidizing substances. Keep away from food, drink and animal feeding stuffs.
 Recommended packaging : Keep only in the original container.
 Use : Use only as directed.

8 EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals.
 Hygienic measures : Do not eat, drink or smoke during use.
 Occupational exposure limits : Occupational exposure limits have not been established for this product.

Workplace exposure limits (mg/m³):

Chemical name		EC	UK		
Sodium hydroxide	TWA 8 hour	-	-		
	STEL 15 min	-	2		

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. See also under additional information.
 Respiratory protection : Take care of sufficient ventilation. Wear a gas filter type B, class I or higher on e.g. a facemask in accordance with EN 136, in case of large scale exposure.
 Hand protection : Wear appropriate safety gloves. See also under additional information.
 Eye protection : Wear appropriate safety glasses with side shields, in accordance with EN 166.

Additional information:

- Protective clothing : Wear nitril or neoprene 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.
- Safety gloves : Wear nitril or neoprene gloves. Indication of permeationbreakthrough time: not permeable (sodium hydroxide), not known (sodium hypochlorite)

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Liquid
Colour	: Colourless
Odour	: Characteristic
pH	: 11.8
Solubility in water	: Soluble
in fat	: Insoluble
Partition coefficient (n-octanol/water)	: Not applicable
Flash point	: Not applicable
Auto ignition temperature	: Not applicable
Boiling point/ boiling range	: ± 100°C
Melting point/ melting range	: Not known
Explosive properties	: Not known
Oxidizing properties	: Strong oxidizer
Decomposition temperature	: Not applicable
Viscosity (40°C)	: Not known
Vapour pressure (20°C)	: Not known
Relative density (20°C)	: 1,0 kg/l
Evaporation rate	: Not known (n-butyl acetate = 1)

10 STABILITY AND REACTIVITY

Stability	: Stable under normal conditions.
Conditions to avoid	: See section 7.
Materials to avoid	: Avoid contact with strong reducing agents, flammable substances, acids and other cleaning products.
Hazardous decomposition products	: HCl –gas and chlorine vapours

11 TOXICOLOGICAL INFORMATION

No toxicological research has been carried out on this product.

Inhalation	: Irritation of respiratory airways possible. Inhalation may of vapours or mist may cause lack of breath (pulmonary oedema). Symptoms of pulmonary oedema often manifest only after several hours.
Skin contact	: Irritating to skin. Prolonged contact may dry out and degrease the skin.
Eye contact	: Danger of severe damage to the eyes.
Ingestion	: Ingestion may cause vomiting, nausea and diarrhoea.

Toxicological information:

Chemical name	Toxicity (mg/kg or mg/m3)	Irritation	Sensitization
Alcohols, C9-11, ethoxylated (6 EO)	LD ₅₀ : > 500 (rat, oral) LD ₅₀ : > 2000 (rabbit, dermal) LC ₅₀ : > 5000 (inh.)	Slight irritating (skin)	Not sensitizing
Sodium hydroxide		Strong irritating (eyes) Corrosive (skin) Corrosive (eyes)	Not sensitizing
Sodium hypochlorite (5%)	LD ₅₀ : 5800 (mouse)	Corrosive	Not sensitizing

12 ECOLOGICAL INFORMATION

No ecotoxicological research has been carried out on this product.

- Ecotoxicity : No ecotoxicological information available.
 Mobility : Spilled product can penetrate into the ground and get into the surface water and ground water.
 Persistence – degradability : Data on the biodegradation of this product are not available. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents.
 Bio accumulative potential : No specific information known.

13 DISPOSAL CONSIDERATIONS

- Product residues : Dispose empty pack with regular household waste. Treat product residues and nonempty pack as hazardous waste. 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.
 Comment : Attention is drawn to the possible existence of mandatory and regulatory communal, national or local requirements governing disposal of waste.

14 TRANSPORT

- UN number : None
 Transport name : Not regulated.
 Land - Road/Railway ADR/RID class : This product is not classified according to ADR/RID.
 Water IMDG class : This product is not classified according to IMDG.
 Marine pollutant : No
 Air IATA class : This product is not classified according to IATA.

15 REGULATORY INFORMATION

- Community regulations : EC classification (67/548/EEC - 99/45/EC) and other regulations
 Hazard symbols : Xi, irritant



- R- and S-phrases : R38 Irritating to skin.
 R41 Risk of serious damage to eyes.
 S2 Keep out of reach of children.
 S26 In case of contact with eyes rinse with plenty of water and seek medical advice immediately.
 S39 Wear eyes/face protection.
 S46 If swallowed, seek medical advice immediately and show this container or label.

Other information : Not applicable.

Ingredient declaration according to Regulation 648/2004:

Contains:	Concentration (w/w) (%)
Non-ionic surfactants	5 – 15
Chlorine-based bleaching agents	< 5

16 OTHER INFORMATION

The information in this safety data sheet is compiled in compliance with Directive 2001/58/EC dated 27 July 2001 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 R-phrases mentioned in section 2:

R22	Harmful if swallowed.
R31	Contact with acids liberates toxic gas.
R34	Causes burns.
R35	Causes severe burns.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.

History

Date of first issue : 24-08-2005