

**1 IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY**

Product name : Star brite Power Pine Bilge Cleaner - 93832, 93800N  
 Application : Boat 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.  
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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 dodecyl sulphate	10 – 20	151-21-3	205-788-1	Xi	38-41
Dodecyldimethylamine oxide	1 – 5	1643-20-5	216-700-6	Xi	38-41
N,N-bis(2-hydroxyethyl)dodecanamide	1 – 5	120-40-1	204-393-1	Xi	38-41
Pine Oil	1 – 5	8002-09-3		Xn	10-65
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	1 – 5	68439-57-6	270-407-8	Xi	38-41
Limonene	< 1	5989-27-5	227-813-5	Xi, N	10-38-43-50/53

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. May produce an allergic reaction. See also section 11.

Physical/chemical hazards : Not classified as dangerous on the basis of statutory EC-Directives.

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 headache, dizziness and a feeling of sickness.

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

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

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



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### 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.  
Ingestion : Do not induce vomiting. Rinse the mouth, drink 1 glass of water at most. Give condensed milk or a knob of butter. Never give anything by mouth to an unconscious person. Consult a doctor.

### 5 FIRE FIGHTING MEASURES

#### Extinguishing media

Suitable : CO<sub>2</sub>, foam, water fog or dry chemical.

Not suitable : None known

Special exposure : None known

#### hazards

Hazardous thermal : Carbon monoxide may be evolved if incomplete combustion occurs.

#### (de)composition products

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

### 6 ACCIDENTAL RELEASE MEASURES

Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. See also section 8.

Environmental : Avoid release of product into sewers, surface water and/or ground water.

#### precautions

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.

### 7 HANDLING AND STORAGE

Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Avoid contact with eyes and skin.

Storage : Keep frost-free, in a cool (< 35°), dry and well-ventilated place.

Recommended : Keep only in the original container.

#### packaging

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 : Occupational exposure limits have not been established for this product.  
limits

#### 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. See also under additional information.

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

Hand protection : Use of safety gloves is not required in case of brief contact. See also under additional information.

Eye protection : Wear appropriate safety glasses with side shields, in accordance with EN 166.

#### Additional information:

Protective : In case of large scale exposure wear neoprene protective clothing, overalls or suit, and  
clothing similar boots in accordance with EN 365/367 resp. 345.



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Safety gloves : Wear neoprene gloves in case of frequent or prolonged use and in case of large scale exposure. Indication of permeation breakthrough time: not known (limonene)

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid  
 Colour : Green  
 Odour : Perfumed  
 pH : 7.6  
 Solubility in water : Soluble  
     in fat : Not known  
 Partition coefficient : Not applicable  
 (n-octanol/water)  
 Flash point : Not applicable (PMcc)  
 Auto ignition temperature : Not applicable  
 Boiling point/ boiling : ± 100°C  
 range  
 Melting point/ melting : ± 0°C  
 range  
 Explosive properties : Not applicable  
 Oxidizing properties : Not applicable  
 Decomposition : Not applicable  
 temperature  
 Viscosity (40°C) : Not known  
 Vapour pressure (20°C) : Not known  
 Relative density (20°C) : ± 1.0 kg/l  
 Evaporation rate : < 1 (n-butyl acetate = 1)

## 10 STABILITY AND REACTIVITY

Stability : Stable under normal conditions.  
 Conditions to avoid : See section 7.  
 Materials to avoid : Keep away from oxidizing substances.  
 Hazardous : None known.  
 decomposition products

## 11 TOXICOLOGICAL INFORMATION

No toxicological research has been carried out on this product.

Inhalation : Irritation of respiratory airways possible when vapour concentrations exceed threshold limits.  
 Skin contact : Irritating to skin. Prolonged contact may dry out and degrease the skin. Repeated contact may cause an allergic reaction on the skin in sensitised persons.  
 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
Dodecyldimethylamine oxide		Irritant (skin)	Not sensitising
N,N-bis(2-hydroxyethyl)dodecanamide	LD <sub>50</sub> : > 5000 (rat, oral)	Irritant (eyes)	Not sensitising
Limonene ((R)-p-mentha-1,8-diene)	LD <sub>50</sub> : 4400 (rat, oral) LD <sub>50</sub> : > 2000 (rabbit, dermal)	Irritant (skin)	Sensitising (skin)
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		Irritating (skin)	Not sensitizing
Sodium dodecyl sulphate	LD <sub>50</sub> : 977 (rabbit, oral) LD <sub>50</sub> : 580 (rabbit, dermal)	Irritating (eyes)	Not sensitizing

## 12 ECOLOGICAL INFORMATION

Product name : Star brite Power Pine Bilge Cleaner  
 Date of issue : 09-10-2005 Replaces issue dated: ---

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.

<b>13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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- Product residues : Dispose empty pack with regular household waste. Treat product residues and non-empty 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.

<b>14</b>	<b>TRANSPORT</b>
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- 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.

<b>15</b>	<b>REGULATORY INFORMATION</b>
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- 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 : The packaging shall carry the text:  
Contains limonene. May produce an allergic reaction.

Ingredient declaration according to Regulation 648/2004:

Contains:	Concentration (w/w) (%)
Anionic surfactants	15 – 30
Nonionic surfactants	< 5
Methylchlorisothiazolinone, methylisothiazolinone, limonene	



## MATERIAL SAFETY DATA SHEET

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<b>16</b> <b>OTHER INFORMATION</b>
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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:

R10	Flammable.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

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### History

Date of first issue      : 09-10-2005