



MATERIAL SAFETY DATA SHEET

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Product name : Star brite Hull Cleaner
Product code : 81708, 81732F, 81700N, 81700EUR, 81732NP, 81732G, 81732LM, 81732N
Application : Boat maintenance. Cleaner.

Manufacturer : Star brite Distributing, Inc.
Address : 4041 S. W. 47 Avenue
Ft. Lauderdale, FL 33314, USA
Telephone : +1- 800-327-8583

Distributor : Star brite Europe Inc.
Address : 30 rue F. Genin
69005 Lyon, France
Telephone : +33- 472- 57 01 33
Fax : +33- 472- 57 04 93
E-mail : contact@starbrite-europe.com

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



: 001-703-527-3887 CHEMTREC

2 HAZARDS IDENTIFICATION *

Classification : Harmful.

Human health hazards : Harmful in contact with skin and if swallowed.
Physical/chemical hazards : Not classified as dangerous on the basis of statutory EC-Directives.
Reacts vigorously in contact with alkalines. Strong heat development possible.

Environmental hazards : Not classified as dangerous on the basis of statutory EC-Directives.
Other information : Keep out of the reach of children. If swallowed, seek medical advice immediately and show this container or label.
Wear suitable protective clothing and gloves.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Product description : Preparation.

Information on hazardous substances:

EC-name	Concentration (w/w) (%)	CAS-number	EC-number	Symbol	R phrases
Oxalic acid	5 – 10	144-62-7	205-634-3	Xn	21/22
2-Butoxyethanol	1 – 5	111-76-2	203-905-0	Xn	20/21/22-36/38

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.

4 FIRST-AID MEASURES *

Effects and symptoms

Inhalation : May cause headache, dizziness and a feeling of sickness.
Skin contact : May cause dry skin.
Eye contact : May cause stinging of eyes and redness.
Ingestion : 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.

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- 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. Rinse the mouth and drink 1 glass of water. Do not give milk. Never give anything by mouth to an unconscious person. Consult a doctor immediately.

5 FIRE-FIGHTING MEASURES

- Extinguishing media
- Suitable : CO2, foam, water fog or dry chemical.
- Not suitable : None known
- Special exposure hazards : None known
- Hazardous thermal (de)composition products : Carbon monoxide may be evolved if incomplete combustion occurs.
- Special protective equipment for fire-fighters : Use adequate respiratory equipment in case of insufficient ventilation.

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. See also section 8.
- Environmental precautions : Large spills: contain with dike. Avoid release of product into sewers and surface water and/or ground water. Large scale discharge causing a very low pH may impair the biological system in sewage plants. Inform the official bodies if necessary.
- Methods for cleaning up : Collect spilled material in containers. Dispose at an authorised waste collection point. Carefully neutralise residues with soda. Collect neutralized product in containers and dispose as chemical waste. Wash away remainder with plenty of water and soap.

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. Do not breathe vapours.
- Storage : Keep frost-free, in a cool (< 35°), dry and well-ventilated place separated from oxidizing substances.
- Recommended packaging : Keep only in the original container.
- Use : Use only as directed.

8 EXPOSURE CONTROLS/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		
Oxalic acid	TWA 8 hour	1	1		
	STEL 15 min	-	2		
2-Butoxyethanol	TWA 8 hour	98	121		
	STEL 15 min	246	242		

Personal protective equipment:

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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 : Wear protective industrial clothing. See also under additional information.
- Respiratory protection : 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 : Wear appropriate safety gloves. See also under additional information.
- Eye protection : Wear appropriate safety glasses when there is danger of possible eye contact.

Additional information:

- Protective clothing : Wear neoprene protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345.
- Safety gloves : Wear neoprene gloves according to EN374. Indication of permeation breakthrough time: not known

9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Liquid
- Colour : Colourless
- Odour : Characteristic
- pH : 1
- Solubility in water : Soluble
- Solubility in fat : Not known
- Partition coefficient (n-octanol / water) : Not applicable
- Flash point : Not applicable (PMcc)
- Auto ignition temperature : Not applicable
- Boiling point/ boiling range : ± 100 °C
- Melting point/ melting range : ± 0 °C
- Explosive properties : Not applicable
- Oxidizing properties : Not applicable
- Decomposition temperature : Not applicable
- Viscosity (40°C) : Not known
- Vapour pressure (25°C) : Not known (n-butyl acetate = 1)
- Relative density (20°C) : 1 g/ml
- Evaporation rate : < 1

10 STABILITY AND REACTIVITY

- Stability : Stable under normal conditions.
- Conditions to avoid : See section 7.
- Materials to avoid : Keep away from oxidizing substances and alkalines.
- Hazardous decomposition products : Not known.

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 : Slight irritation possible. Prolonged contact may dry out and degrease the skin. (Prolonged) Contact with high concentrations may cause signs of intoxication.
 - Eye contact : Slight irritation possible.

Ingestion : Ingestion may cause vomiting, nausea and diarrhoea. Ingestion of high concentrations may cause signs of intoxication, reduced consciousness.

Toxicological information:

Chemical name	Toxicity (mg/kg or mg/m ³)	Irritation	Sensitization
Oxalic acid	LD ₅₀ : 7500 (rat, oral)	Strong irritant (rabbit, eyes) Slight irritant (rabbit, skin)	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 ground water and surface water.

Persistence – degradability : Data on the biodegradation of this product are not available.

Bio accumulative potential : No specific information known.

13 DISPOSAL CONSIDERATIONS

Product residues : Do not dispose empty pack with regular household waste. Treat product residues and non-empty pack as hazardous waste.

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.

Comment : Attention is drawn to the possible existence of mandatory and regulatory communal, national or local requirements governing disposal of waste.

14 TRANSPORT INFORMATION

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 Directive 67/548/EEC (substances), 99/45/EC (preparations) and other regulations.

This product is exempted from classification as "Corrosive" on basis of article 3.2.5 point 3 of Annex VI of Directive 67/548/EEC.

Hazard symbols : Xn, harmful





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R- and S-phrases : R21/22 Harmful in contact with skin and if swallowed.
S2 Keep out of the reach of children.
S36/37 Wear suitable protective clothing and gloves.
S46 If swallowed, seek medical advice immediately and show this container or label.

Other information : According to directive 99/45/EC, the packaging of this product shall carry a tactile warning of danger.
The packaging shall carry the text:
: Contains: Oxalic acid

16 OTHER INFORMATION

The information in this safety data sheet is compiled in compliance with Regulation (EC) 1907/2006 dated 18 December 2006 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 3:

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R21/22 Harmful in contact with skin and if swallowed.
R36/38 Irritating to eyes and skin.

History

Date of first issue : 16-09-2005
Date of second issue : 19-02-2009 Herewith all previous issues are expired.
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